



Appendix A

Worksheet for Institutions on the Assignment of Credit Hours and Clock Hours

Supplements:

A1 - Credit Rationale

A2 - Credit Policies

B1 - Catalog

B2 - Non-Standard Term

B3 - Course Schedules Fall 2015, Spring 2016

Appendix A: Worksheet for Institutions on the Assignment of Credit Hours and Clock Hours

Instructions

This worksheet should be completed by the person(s) at the institution who knows the most about the institution's calendar and credit hour assignments; at many institutions the registrar may be the appropriate person to complete this worksheet. The person(s) completing the worksheet should work closely with the institution's financial aid officer to ensure consistency between what is reported to HLC on this form and what is reported to the U.S. Department of Education (hereafter referred to as "the Department").

Purpose of this form. This form provides the peer review team with a single source of information about the institution's calendar, credit hour policies and total credit hour generation related to the courses for which it provides instruction, and an overview of the institution's pattern of distribution of credit hour assignments. **It is not an inventory of every course the institution offers.** The institution should:

- Report on academic terms and credit for courses that support the institution's certificate and degree programs.
- When appropriate, include in the form brief explanations of the allocation of credit hours.
- Estimate or round off where appropriate.
- **Not** include prior learning, transfer, etc., wherein the institution awards credit but does not provide instruction associated with that credit.

Part A. Assignment of Credits and Program Length. All institutions must complete Part A. Institutions that use multiple calendars may need to complete more than one area of Section 1.

Part A includes:

Section 1. Institutional Calendar, Term Length and Type of Credit

Section 2. Format of Courses and Number of Credits Awarded

Section 3. Policy on Credit Hours

Section 4. Total Credit Hour Generation

Section 5. Clock Hours

Clock Hour Worksheet. Institutions should complete this worksheet only if they offer clock hour courses/programs or are required by the Department to report certain courses/programs to the Department in clock hours for Title IV purposes.

Part B. Supplemental Materials

Section 1: Institutional Calendar, Term Length and Type of Credit

Institutions using multiple calendars across the institution may need to complete more than one area of the chart below. For more information about the terminology and calendaring units referenced in this form, see the 2011–2012 “Federal Student Aid Handbook,” Volume 3, Chapter 1, “Academic Calendar, Payment Periods and Disbursements.” Definitions in this section are taken from that handbook.

Institution name: Lake Superior State University, Sault Sainte Marie, Michigan

Calendar	Term	Column 1 Term Length: Number of Weeks	Column 2 Number of Starts
Semester / Trimester Calendar	Standard Format: 14 to 17 week term	15 Weeks (14 weeks plus 1 week of finals)	1 Start
	Compressed Formats: 4, 8 or other week terms within the semester calendar ¹	7 Weeks	2 Starts
	Summer Term	12 Weeks 6 Weeks 4 Weeks	1 Start 2 Starts 3 Starts
Quarter Calendar	Standard Format: 10 to 12 week term	NA	
	Compressed Formats: 2, 5 or other week terms within the quarter calendar ¹	NA	
	Summer Term	NA	

¹If an institution offers a summer term that is different in length than the typical fall semester, it should report summer term information in this section.

Non-standard Terms (terms that are not semesters, trimesters or quarters. A non-standard term may have the following characteristics: courses do not begin and end within a set period of time; courses overlap terms, including self-paced and independent study courses or sequential courses that do not begin and end within a term; terms may be of equal or unequal length.)

Calendar	Term	Column 1 Term Length: Number of Weeks	Column 2 Number of Starts	Column 3 Type of Credit
Non-standard Term Calendar	Term One	NA		
	Term Two	NA		

	Term Three	NA		
	Summer Term	NA		

Degree Programs (Optional)

What is the length in semester or quarter hours or other applicable units of each of the institution's degree programs? Institutions with programs at different degree levels may include a list here if an expanded answer is required (see question 2 in the *Federal Compliance Filing by Institutions*.)

Minimum Credits – Degree Name (effective 2015-2016 Catalog)

Bachelor's Degrees

- 124 - [Accounting: Bachelor of Science](#)
- 124 - [Athletic Training: Bachelor of Science](#)
- 124 - [Biochemistry Pre-Professional: Bachelor of Science](#)
- 125 - [Biology: Bachelor of Science](#)
- 124 - [Business Administration - Bachelor of Science](#)
- 124 - [Business Administration - Entrepreneurship: Bachelor of Science](#)
- 124 - [Business Administration - International Business: Bachelor of Science](#)
- 124 - [Business Administration - Management: Bachelor of Science](#)
- 124 - [Business Administration - Marketing: Bachelor of Science](#)
- 124 - [Chemistry: Bachelor of Arts/Science](#)
- 124 - [Communication: Bachelor of Arts](#)
- 124 - [Computer Engineering: Bachelor of Science](#)
- 124 - [Computer Networking: Bachelor of Science](#)
- 124 - [Computer Science: Bachelor of Science](#)
- 124 - [Conservation Biology: Bachelor of Science](#)
- 124 - [Criminal Justice - Corrections: Bachelor of Science](#)
- 124 - [Criminal Justice - Criminalistics: Bachelor of Science](#)
- 124 - [Criminal Justice - Generalist: Bachelor of Science](#)
- 124 - [Criminal Justice - Homeland Security: Bachelor of Science](#)
- 124 - [Criminal Justice - Law Enforcement: Bachelor of Science](#)
- 124 - [Criminal Justice - Law Enforcement Certification: Bachelor of Science](#)
- 124 - [Criminal Justice - Law Enforcement Certification with NRT: Bachelor of Science](#)
- 124 - [Criminal Justice - Loss Control: Bachelor of Science](#)
- 124 - [Criminal Justice - Public Safety: Bachelor of Science](#)
- 124 - [Early Childhood Education: Bachelor of Science](#)
- 124 - **[Electrical Engineering: Bachelor of Science](#)**
- 125 - **[Electrical Engineering Technology: Bachelor of Science](#)**
- 124 - [Elementary Education: Bachelor of Arts/Science](#)

- 124 - [Elementary Education: Special Education - Learning Disabilities: Bachelor of Science](#)
- 124 - [English Language and Literature: Bachelor of Arts](#)
- 136 - [Environmental Health: Bachelor of Science](#)
- 124 - [Environmental Science: Bachelor of Science](#)
- 125 - [Exercise Science: Bachelor of Science](#)
- 124 - [Finance and Economics: Bachelor of Science](#)
- 124 - [Fine Arts Studies: Bachelor of Arts](#)
- 124 - [Fire Science - Engineering Technology: Bachelor of Science](#)
- 124 - [Fire Science - Generalist: Bachelor of Science](#)
- 124 - [Fire Science - Generalist Non Certification: Bachelor of Science](#)
- 131 - [Fish Health: Bachelor of Science](#)
- 125 - [Fisheries and Wildlife Management: Bachelor of Science](#)
- 124 - [Forensic Chemistry: Bachelor of Science](#)
- 124 - [General Studies: Bachelor of Arts/Science](#)
- 124 - [Geology: Bachelor of Science](#)
- 124 - [History: Bachelor of Arts/Science](#)
- 124 - [Individualized Studies: Bachelor of Arts/Science](#)
- 124 - [Industrial Technology: Bachelor of Science](#)
- 124 - [Language Arts: Bachelor of Arts](#)
- 124 - [Literature: Bachelor of Arts](#)
- 124 - [Literature - Creative Writing: Bachelor of Arts](#)
- 124 - [Manufacturing Engineering Technology: Bachelor of Science](#)
- 124 - [Mathematics: Bachelor of Science](#)
- 124 - **[Mechanical Engineering: Bachelor of Science](#)**
- 135 - **[Medical Laboratory Science: Bachelor of Science](#)**
- 125 - [Nursing: Bachelor of Science](#)
- 124 - [Parks and Recreation: Bachelor of Science](#)
- 124 - **[Physical Science: Bachelor of Science](#)**
- 124 - **[Political Science: Bachelor of Arts/Science](#)**
- 125 - **[Pre-Medical](#)**
- 125 - [Pre-Veterinary](#)
- 124 - [Psychology: Bachelor of Arts/Science](#)
- 124 - [Social Science: Bachelor of Arts/Science](#)
- 124 - [Sociology: Bachelor of Arts/Science](#)
- 124 - [Sport and Recreation Management: Bachelor of Arts/Science](#)

Associate Degrees

- 62 - **[Chemical Technology](#)**
- 62 - [Chemistry](#)

- 62 - [Computer Science](#)
- 62 - [Criminal Justice-Corrections](#)
- 62 - [Criminal Justice-Homeland Security](#)
- 62 - [Criminal Justice-Law Enforcement](#)
- 62 - [Early Childhood Education](#)
- 62 - **[Electrical Engineering Technology](#)**
- 62 - [Fire Science](#)
- 64 - [General Engineering](#)
- 62 - [General Engineering Technology](#)
- 62 - [General Studies](#)
- 72 - [Health Care Provider](#)
- 64 - [Health/Fitness Specialist](#)
- 62 - [Internet/Network Specialist](#)
- 62 - [Liberal Arts](#)
- 64 - [Manufacturing Engineering Technology](#)
- 63 - [Marine Technology](#)
- 62 - [Natural Resources Technology](#)
- 65 - [Paramedic Technology](#)
- 62 - [Personal Computer Specialist](#)
- 62 - [Small Business Administration](#)
- 64 - [Social Work](#)
- 64 - [Substance Abuse Prevention and Treatment](#)
- 64 - **[Technical Accounting](#)**

Section 2. Format of Courses and Number of Credits Awarded

Guide to Completing This Section

Purpose

In this section, the institution provides an overview of the pattern of instructional hours required for the credit hours it awards. The chart provides a suggested approach for conveying that information to the peer review team. The institution may make modifications in the chart or add brief notes as appropriate to explain credit hour awards, particularly in non-standard or compressed-format classes.

If the institution offers multiple types of terms, such as a compressed-format term and a regular semester term, it should separate that information, typically by providing a separate chart for each term. A separate chart will help the peer review team understand how instructional time is related to credit hour awards in each term. The information in this section need not be extensive as long as it explains how credit hours are awarded across various formats at the institution.

This section should not be used to demonstrate that the institution assigns credit hours appropriately in regard to non-contact-hour requirements such as out-of-class group meetings or homework assignments. That issue may be addressed in the institution's credit hour policy, and may be evaluated by the peer review team in the sample of institutional programs it examines during the visit.

Period Reported

An institution may use any recent term that appropriately depicts its credit hour allocations as the basis for completing the *Form for Reporting an Overview of Credit Hour Allocations and Instructional Time for Courses* below. **The institution should complete a separate form for each type of term identified in Section 1.**

Key to Rows

- **Number of Courses**—Count each course offered by the institution in the row corresponding to the number of credits awarded and the column or columns representing the format of delivery through which the course or a section of the course is offered. Do not count sections of the same course if the sections are offered in the same delivery format.
- **Number of Meetings**—Enter the total number of class meetings (or equivalent) provided in each course with each credit award during the term reported; if the number of class meetings varies, enter a range. For distance, correspondence or other formats, report on instructional time. Do not include study or other time during which students work independently or with other students even though such time may be provided to replace time with a faculty member. Instructional time need not be limited to time spent with all students in the class in a single format.
- Include labs or discussions in the number of meetings if they are a required element of the course, if they do not have a separate course number or credit hour allocation, and if the presence of a lab or discussion is considered significant when the institution assigns credit hours to the course. If a lab or discussion does not meet these considerations, it need not be reflected in this chart.
- **Meeting Length**—Enter the range (shortest to longest) of meeting times in each category. (*Note:* One hour may be 50 minutes of actual instructional time.)

Key to Columns

- **FTF (face-to-face):** Courses in which instructors interact with students in the same physical space for approximately 75 percent or more of the instructional time.
- **Mixed FTF:** Courses in which instructors interact with students in the same physical space for less than 75 percent of the instructional time, with the remainder of the instructional time provided through distance or correspondence education.

Note: The above explanations arise from HLC's distance education protocol. Institutions may use other thresholds for FTF and Mixed FTF provided that they define them clearly and include the definition on this worksheet.

- **Distance:** Courses in which instructors interact with students through one or more forms of distance delivery.

- **Correspondence:** Courses in which instructors interact with students through mail or electronic interface, typically according to a self-paced schedule.

Federal Definitions of Distance/Correspondence Education:

Distance education/course means education that uses one or more of the {following} technologies (i) to deliver instruction to students who are separated from the instructor; and (ii) to support regular and substantive interaction between the students and the instructor, synchronously or asynchronously. The technologies used may include: (i) the internet; (ii) one way and two way transmissions through open broadcast, closed circuit, cable, microwave, broadband lines, fiber optics, satellite, or wireless communications devices; (iii) audioconferencing; or (iv) videocassettes, DVDs, and CD-Roms, if the videocassettes, DVDs or CD-Roms are used in conjunction with any of the technologies listed in clauses (i) through (iii).

Correspondence education/course means: (1) Education provided through one or more courses by an institution under which the institution provides instructional materials, by mail or electronic transmission, including examinations on the materials, to students who are separated from the instructor. (2) Interaction between the instructor and the student is not regular and substantive, and is primarily initiated by the student. (3) Correspondence courses are typically self-paced. (4) Correspondence education is not distance education.

- **Independent/Directed Study:** Courses in which instructors interact with students through a flexible format.
- **Weekend College:** Some institutions may have an evening or weekend college that, while on the same calendar, may structure its courses and credit assignments differently than the same courses offered during the regular day. If courses are offered in the evening or on the weekend as another scheduling option for students, but the courses provide similar class meetings or instructional time as those courses offered by the institution during the regular day, the institution need not report evening or weekend courses in this category.
- **Internships or Practica:** Some institutions may provide internship or practica experiences for which credits are awarded. Institutions that have professional schools in medicine, law, nursing, physical therapy, etc., which often require internships or practica with high credit allocations, should provide brief summative information about the internships but need not include them in the report form.

Examples

- If the institution offers Calculus 210, a three credit-hour course, in FTF and distance formats as well as through the Weekend College, the course should be reported in the row for 3 credits and once in each of those columns.
- If the institution offers that course in a full 14–17-week standard format as well as in a compressed format, the course should be reported on one form for the standard format and on a separate form for the compressed format.
- If in the FTF format instructors meet with students two times per week for 1.5 hours per meeting for the 14 weeks of the term, report the number of meetings as 28 meetings, and the length of each meeting as 1.5 hours.

NEW: Direct Assessment or Competency-Based Credit Hour Equivalencies

Complete the questions following the chart with regard to direct assessment or competency-based programs.

Form for Reporting an Overview of Credit Hour Allocations and Instructional Time for Courses

Complete a separate form for each term length specified in Section 1, Columns 1 and 2, above.

Term and Length (e.g., Spring 2011, 16 weeks OR Spring 2011, 5 weeks): Fall Semester 2014 - 15 Weeks_(14 weeks plus 1 week of final exams. The below chart was completed based entirely on the 14 weeks of instruction).

Number of Credits Awarded	Instructional Time	Course Formats						
		FTF	Mixed FTF	Distance	Corresp.	Independent/Directed Study	Weekend College	Internship or Practica
Sample Row: 3 Credits	Number of courses	119	24	57	14	2	20	4
	Number of meetings	15-45	15-30	15	4-8	3-14	6	6-10
	Meeting length	1-3 hrs.	1-2 hrs.	1 hr.	1-2 hrs.	.5-3 hrs.	4 hrs.	1-4 hrs.
1 Credit	Number of courses	45				7		6
	Number of meetings	14-28				0		0
	Meeting length	1-3				0		0
2 Credits	Number of courses	27	1			7		9
	Number of meetings	14-28	14			0		0-14
	Meeting length	1-3	2			0		0-1
3 Credits	Number of courses	184	5	14		12		10
	Number of meetings	14-56	14-28	0-14		0		0-14
	Meeting length	1-3	1.5-3	0-3		0		0-1
4 Credits	Number of courses	83	1	2		2		3
	Number of meetings	28-70	28	28		0		0
	Meeting length	1-4	1.5	2		0		0
5 Credits	Number of courses	8						
	Number of meetings	42-70						
	Meeting length	1-4						
6 Credits ¹	Number of courses	1 NURS213						6 CJUS402, EXER492, FIRE403, RECS492, POLI499, SOWK250
	Number of meetings	56						0
	Meeting length	1-9						0
7 Credits ¹	Number of courses	1						

		PNUR213						
	Number of meetings	56						
	Meeting length	2-9						
8 Credits ¹	Number of courses	2 NURS327 NURS 431						
	Number of meetings	70						
	Meeting length	2-12						
9 Credits ¹	Number of courses							4 CJUS402, FIRE403, POLI499, SOWK250
	Number of meetings							
	Meeting length							
10 Credits ¹	Number of courses							1 EDUC492
	Number of meetings							
	Meeting length							

¹ Institutions offering courses with **six or more credits awarded** should list those courses in these spaces. Identify the number of credits awarded in the first column. Add additional rows, if needed. **Identify the course(s) and explain the reasoning behind the credit allocated to those courses in a separate document attached as Supplement A1.**

2015 RESPONSE: Credits, Program Length, and Tuition

Lake Superior State University operates on a semester system. Fall and Spring semesters each run on 15 week schedules, which include 14 weeks of course instruction and one week for final examinations per semester. Summer session includes one 12 week session, 4 week sessions plus two 6 week sessions, which run back to back, starting and ending on the same dates as the 12 week session.

The University follows standard practice in awarding credit in these semesters. A typical 3 credit class held during Fall or Spring semester will meet for three 50 minutes classes or two 75 minute classes each week along with a two hour final exam period. One credit is awarded for 14 hours of classroom instruction. Class time in the summer session is adjusted to provide the same amount of instruction per credit hour as is provided during the fall or spring semester.

A minimum of 124 credits is required for all baccalaureate degrees; a minimum of 62 credits is required for all associate degrees.

The University establishes tuition rates annually and they are approved by the University's Board of Trustees. The tuition information is made available on the university website along with updated information sheets available to all students. The viewbook utilized for recruitment also includes the most recent tuition rates. For 2015, the tuition rates are as follows:

- LSSU 'One Rate' tuition cost is calculated at \$433 per credit hour or \$5,196 for 12-17 credits per semester.
- International tuition cost is calculated at \$650 per credit hour or \$7,800 for 12-17 credits per semester.
- Graduate tuition cost is calculated at \$500 per credit hour.

Other Courses Not Reported Above

List below any other courses that were not included in the *Form for Reporting an Overview of Credit Hour Allocations and Instructional Time for Courses*. Identify the course names, the number of credits allocated and a brief description of how instruction takes places in these courses and how many hours of instruction are provided. (Such courses might include travel, summer term or other courses that do not fit in the columns above because they have a different delivery format.)

Course Name	Number of Credits Allocated	Brief Description	Hours of Instruction
Descriptions are provided in Appendix A1			
CJUS402	Enforcement Internship - 6 cr		
EXER492	Exercise Science Internship - 6 cr		
FIRE403	Fire Science Internship - 6 cr		
NURS213	Fundamentals of Nursing with lab - 6 cr		
RECS492	Internship - 6 cr		
POLI499	Political Science Internship 6 cr		
SOWK250	Social Work Internship - 6 cr		
PNUR113	Fundamentals of Practical Nursing with lab - 7 cr		
NURS327	Adult Nursing I with lab - 8 cr		
NURS431	Adult Nursing II with lab - 8 cr		
CJUS402	Law Enforcement Internship - 9 cr		
FIRE403	Fire Science Internship - 9 cr		
POLI499	Political Science Internship - 9 cr		
SOWK250	Social Work Internship - 9 cr		
EDUC492	Directed (Student) Teaching - 10 cr		

Form for Reporting an Overview of Credit Hour Allocations and Instructional Time for Courses

Complete a separate form for each term length specified in Section 1, Columns 1 and 2, above.

Term and Length (e.g., Spring 2011, 16 weeks OR Spring 2011, 5 weeks): **Fall Semester 2014 - 7 Weeks**

Number of Credits Awarded	Instructional Time	Course Formats						
		FTF	Mixed FTF	Distance	Corresp.	Independent/Directed Study	Weekend College	Internship or Practica
Sample Row: 3 Credits	Number of courses	119	24	57	14	2	20	4
	Number of meetings	15-45	15-30	15	4-8	3-14	6	6-10
	Meeting length	1-3 hrs.	1-2 hrs.	1 hr.	1-2 hrs.	.5-3 hrs.	4 hrs.	1-4 hrs.
1 Credit	Number of courses	5						
	Number of meetings	7-14						
	Meeting length	1-4						
2 Credits	Number of courses							
	Number of meetings							
	Meeting length							
3 Credits	Number of courses							
	Number of meetings							
	Meeting length							
4 Credits	Number of courses							
	Number of meetings							
	Meeting length							
5 Credits	Number of courses							
	Number of meetings							
	Meeting length							
Credits ¹	Number of courses							
	Number of meetings							
	Meeting length							

Form for Reporting an Overview of Credit Hour Allocations and Instructional Time for Courses

Complete a separate form for each term length specified in Section 1, Columns 1 and 2, above.

Term and Length (e.g., Spring 2011, 16 weeks OR Spring 2011, 5 weeks): **Summer Semester 2014 - 12 Weeks**

Number of Credits Awarded	Instructional Time	Course Formats						
		FTF	Mixed FTF	Distance	Corresp.	Independent/ Directed Study	Weekend College	Internship or Practica
Sample Row: 3 Credits	Number of courses	119	24	57	14	2	20	4
	Number of meetings	15-45	15-30	15	4-8	3-14	6	6-10
	Meeting length	1-3 hrs.	1-2 hrs.	1 hr.	1-2 hrs.	.5-3 hrs.	4 hrs.	1-4 hrs.
1 Credit	Number of courses					9		4
	Number of meetings					0		0
	Meeting length					0		0
2 Credits	Number of courses		1			1		3
	Number of meetings		5			0		0
	Meeting length		7			0		0
3 Credits	Number of courses	2	1	9		8		9
	Number of meetings	36-48		0		0		0
	Meeting length	1-3		0		0	0	0
4 Credits	Number of courses			0		6		2
	Number of meetings			0		0		0
	Meeting length			0		0		0
5 Credits	Number of courses	2						
	Number of meetings	64-75						
	Meeting length	3-6						
6 Credits ¹	Number of courses					1 FREN460		5 CJUS402, EXER492, FIRE403, RECS492, SOWK250
	Number of meetings					0		0
	Meeting length					0		0
9 Credits ¹	Number of courses							1 FIRE403

	Number of meetings							0
	Meeting length							0

Courses with 6 or more credits offered during the Summer Semester 2014:

- CJUS402 – 6 Credits, Law Enforcement Internship
- EXER492 – 6 Credits, Internship
- FIRE403 – 6 Credits, Fire Science Internship
- FREN460 – 6 Credits, Dir Acad/Cultural Immersion
- RECS492 – 6 Credits, Internship
- SOWK250 – 6 Credits, Social Work Internship

- FIRE403 – 9 Credits, Fire Science Internship

Form for Reporting an Overview of Credit Hour Allocations and Instructional Time for Courses

Complete a separate form for each term length specified in Section 1, Columns 1 and 2, above.

Term and Length (e.g., Spring 2011, 16 weeks OR Spring 2011, 5 weeks): **Summer Semester 2014 – 6 Weeks**

Number of Credits Awarded	Instructional Time	Course Formats						
		FTF	Mixed FTF	Distance	Corresp.	Independent/ Directed Study	Weekend College	Internship or Practica
Sample Row: 3 Credits	Number of courses	119	24	57	14	2	20	4
	Number of meetings	15-45	15-30	15	4-8	3-14	6	6-10
	Meeting length	1-3 hrs.	1-2 hrs.	1 hr.	1-2 hrs.	.5-3 hrs.	4 hrs.	1-4 hrs.
1 Credit	Number of courses	2	1			2		
	Number of meetings	12	5			0		
	Meeting length	2-4	8			0		
2 Credits	Number of courses		2	1		2		
	Number of meetings		6-12	0		0		
	Meeting length		2-3	0		0		
3 Credits	Number of courses	15	2	9		8		2
	Number of meetings	10-24	5-6	0		0		0
	Meeting length	2-4	2-6	0		0		0
4 Credits	Number of courses	11		2		2		1
	Number of meetings	24-36		0		0		0
	Meeting length	2-4		0		0		0
5 Credits	Number of courses	2						
	Number of meetings	42						
	Meeting length	2-3						
Credits ¹	Number of courses							
	Number of meetings							
	Meeting length							

Form for Reporting an Overview of Credit Hour Allocations and Instructional Time for Courses

Complete a separate form for each term length specified in Section 1, Columns 1 and 2, above.

Term and Length (e.g., Spring 2011, 16 weeks OR Spring 2011, 5 weeks): **Summer Semester 2014 - 4 Weeks**

Number of Credits Awarded	Instructional Time	Course Formats						
		FTF	Mixed FTF	Distance	Corresp.	Independent/ Directed Study	Weekend College	Internship or Practica
Sample Row: 3 Credits	Number of courses	119	24	57	14	2	20	4
	Number of meetings	15-45	15-30	15	4-8	3-14	6	6-10
	Meeting length	1-3 hrs.	1-2 hrs.	1 hr.	1-2 hrs.	.5-3 hrs.	4 hrs.	1-4 hrs.
1 Credit	Number of courses							
	Number of meetings							
	Meeting length							
2 Credits	Number of courses							
	Number of meetings							
	Meeting length							
3 Credits	Number of courses	3						
	Number of meetings	20-36						
	Meeting length	3-8						
4 Credits	Number of courses							
	Number of meetings							
	Meeting length							
5 Credits	Number of courses							
	Number of meetings							
	Meeting length							
Credits ¹	Number of courses							
	Number of meetings							
	Meeting length							

Direct Assessment or Competency-Based Programs

An institution must demonstrate that any direct assessment or competency-based programs that it offers have appropriate credit hour equivalencies.

1. Provide a list of the academic programs available in direct assessment or competency-based format and the required credit hours for each program. Identify the learning objectives for each such program.
Not applicable
2. Explain how the institution sets credit hour equivalencies for these courses and programs and otherwise ensures that students have sufficient instructional time and out-of-class work to justify the credit allocations for the courses and programs.
Not applicable
3. How does the institution's credit hour policy explain credit hour allocations or equivalencies established by the institution for these types of offerings?
Not applicable
4. Identify aggregate learning outcomes information the institution has collected for direct assessment and competency-based programs and explain how the institution reviewed this information and considered it in academic program review and its improvement processes.
Not applicable

Section 3: Policy on Credit Hours

Does the institution have a policy specific to the assignment of credit?

Yes

No

The institution has policies specific to the assignment of credit at the following levels (check all that apply):

Institution-wide

Delivery-format-specific

Department-specific

Program-specific

Attach copies of all applicable policies related to the assignment of credit as **Supplement A2**.

Section 4: Total Credit Hour Generation

How many credits does a typical full-time or part-time undergraduate student take during a regular term?
15

How many credits does a typical full-time or part-time graduate student take during a regular term? 6

Provide the head count of students earning more than the typical credits taken during a regular term in the most recent fall and spring semesters/trimesters (or the equivalent, for institutions with quarters or non-standard terms).

Fall 2015

Full time average 14.54 (rounded up to 15)

of students above (16+) = 566

Part-time average credits = 5.72

of students above (7+) = 172

Most Recent Fall Term

2015 Year

Spring 2016

Full time average 14.74 (rounded up to 15)

of students above (16+) = 697

Part-time average credits = 5.84

of students above (7+) = 163

Most Recent Spring Term

2016 Year

Section 5: Clock Hours

This worksheet does not apply to all institutions.

This worksheet is not intended for institutions to demonstrate that they have assigned credit hours relative to contact hours in accordance with the Carnegie definition of the credit hour. This worksheet solely addresses those programs reported to the Department in clock hours for Title IV purposes. Institutions that do not have such programs should not complete this worksheet.

Answer “Yes” to the statement below **only if the institution offers any programs in clock hours or programs that must be reported to the Department in clock hours for Title IV purposes even though students may earn credit hours for graduation from these programs.** For example, any program that prepares students for a licensed or professional discipline may need to be reported in clock hours to the Department.

Check with the institution’s financial aid officer to determine if the institution has programs of this nature. Such programs typically include those that must be identified in clock hours for state licensure of the program or where completing clock hours is a requirement for graduates to apply for licensure or authorization to practice the occupation. Such programs might include teacher education, nursing or other programs in licensed fields.

Does the institution report clock hours to the U.S. Department of Education with regard to some programs for Title IV purposes?

Yes

No

If the answer is Yes, complete the Clock Hour Worksheet.

Clock Hour Worksheet

Only certain institutions must complete this worksheet.

Please review the following instructions.

Complete this worksheet **only if** the institution answered “Yes” in Section 5, indicating that the institution offers programs in clock hours OR programs that must be reported to the U.S. Department of Education in clock hours for Title IV purposes even though students may earn credit hours for graduation from these programs.

Federal Formula for Minimum Number of Clock Hours of Instruction (34 CFR §668.8):
1 semester or trimester hour must include at least 37.5 clock hours of instruction
1 quarter hour must include at least 25 clock hours of instruction

Institution name:

Attach as **Supplement A3** a list of the academic programs that are reportable in clock hours based on the information above.

Does the list in Supplement A3 match the list submitted to the U.S. Department of Education?

Yes

No

What is the institution’s credit-to-clock-hour conversion policy?

If the credit-to-clock-hour conversion numbers are less than the federal formula, what are the specific requirements, if any, for student work outside of class?

Attach the institution’s last E-App as **Supplement A4**.

Attach the institution’s ECAR as **Supplement A5**.

Attach the institution’s most recent program review as **Supplement A6**.

Part B: Supplemental Materials

The institution must include with this document the following supplements as PDF documents.

- Attach a copy of the catalog or other document that contains course descriptions and applicable credit hour assignments as **Supplement B1**.
- Attach the catalog or other document in which the institution has marked or highlighted any course provided by the institution in non-standard terms or compressed format for the term reported. This information can also be provided on a separate list that identifies those courses and how to find them in the course catalog. Attach this document as **Supplement B2**.
- Attach as **Supplement B3** the course schedule for the most recently completed fall and spring terms, including times and meeting dates for all classes at all locations and in all delivery formats. If the course schedule is not available as a separate document, include a URL to access this information online. If a password is required to access this information, include that password.

Note: The peer review team may ask for additional data to examine credit hour production by educational program and by course. These data may include separate breakdowns for general education as well as by delivery format, by course academic unit (semester, quarter, etc.), by level, or by location.



Supplement A1
Credit Rationale



Courses with greater than 5 credits and variable credit courses

BIOL290 Independent Study in Biology - 1 to 4 Credits - Students sign a contract with their faculty instructor to do an independent study project. The # of credits is based on the amount of work a student is willing to put into the course. The standard contract states that for every credit hour awarded a student will spend twice that amount of time per week working on that course.

BIOL300 Special Topics - 1 to 6 credits - This was a variable credit special topics course. If it is offered as a 6 credit course, it has an extended laboratory component, often an international experience or an extended field experience.

BIOL389 Internship in Biology - 3 or 4 Credits - For 3 hours of credit the student is expected to work 84 hours (3*2*14) and for 4 hours of credit the student is expected to work 112 hours (4*2*14).

BIOL450 Laboratory Apprenticeship - 1 or 2 Credits - Students will assist in laboratories, learning instructional techniques, under direction of faculty. One laboratory section is equivalent to 1 credit.

BIOL460 Clinical Internship - 3 or 9 credits - In order to become a licensed medical laboratory scientist, a student must complete a 6 month hospital internship. The student will register for this class two times - once for 3 credits and once for 9 credits to complete this requirement.

BIOL490 Independent Study - 1 to 4 Credits - Students sign a contract with their faculty instructor to do an independent study project. The # of credits is based on the amount of work a student is willing to put into the course. The standard contract states that for every credit hour awarded a student will spend twice that amount of time per week working on that course.

BIOL497 Experiential Learning Project - 3 or 6 credits – Depending on the depth and breadth of the experiential learning project, a student may opt for 3 or 6 credits. A student is to work 160 hours/credit earned.

BUSN299 Internship - 1 to 4 Credits - This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to achieve the school approved learning objectives/outcomes established for the internship. Students are expected to spend a minimum of 45 hours (1 credit), 90 hours (2 credits), 135 hours (3 credits), or 180 hours (4 credits) in an appropriate work setting. This course may be repeated once for a maximum of four total credits. Prerequisites: 2.5 GPA, and approval of the Dean.

BUSN399 Internship - 1 to 4 Credits - This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to achieve the school approved learning objectives/outcomes established for the internship. Students are expected to spend a minimum of 45 hours (1 credit), 90 hours (2 credits), 135 hours (3 credits), or 180 hours (4 credits) in an appropriate work setting. This course may be repeated once for a maximum of four total credits. Prerequisite: 2.5 GPA, junior standing or higher, employee and instructor approval of the Dean.

BUSN491 Research Read/Bus & Econ - 2 to 3 Credits - Independent study and seminar; individual student guidance by faculty for selected research topics in business. Prerequisite: Senior status. Credit

allocation is based on 'time on task,' with each credit awarded being equivalent to 40-45 hours of student work time.

CHEM290 Independent Study: Chemistry - 1 to 4 Credits - The credit hours allocated for this course depend directly on the scope of the material covered. Each credit hour awarded corresponds to the equivalent of 15 hours of lecture material or 30-45 hours of laboratory work.

CHEM399 Internship in Chemistry - 1 to 4 Credits - The credit hours allocated for this course depend directly on the scope of the work completed. Each credit hour awarded corresponds to the equivalent of 45 hours of laboratory work over the course of a semester.

CHEM450 Laboratory Apprenticeship - 1 or 2 Credits - The credit hours allocated for this course depend directly on the scope of the work completed. Each credit hour awarded corresponds to the equivalent of 45 hours of laboratory work over the course of a semester.

CHEM490 Independent Study: Chemistry - 1 to 4 Credits - The credit hours allocated for this course depend directly on the scope of the material covered. Each credit hour awarded corresponds to the equivalent of 15 hours of lecture material or 30-45 hours of laboratory work.

CJUS402 Criminal Justice Internship - 3 to 9 credits - Senior level internship for the Criminal Justice programs. The number of credit hours correlates directly to the required contact hours of the students. The students must have a minimum of 102 hours of contact time with their placement agency for each 3 credits. Listed in 3 credit groups 3, 6 or 9 CR. The greater number of credits allows the students greater exposure to the career field and greater exposure to potential employers.

CJUS490 Ind Study Criminal Justice - 1 to 4 Credits - Independent research or directed study under the supervision of a faculty member. The number of credits varies with the reading load and project requirements, with one credit for a light reading load and brief summary and 3 credits for an extensive reading list and research paper or project. Prerequisite: Permission of instructor.

COMM399 Internship in Communication - 1 to 4 Credits - The variability in credits is due to the fact that the course may be repeated for a maximum of four credits. This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned.

COMM490 Senior Dir Study Communication - 3 or 4 Credits - The variability in credit is a result of the difference in time that may be necessary depending upon the demands of the individual project. This course is designed to allow communication majors the opportunity to develop and implement a project/paper using the skills and knowledge from their previous course work. Projects/papers should relate to a student's individual areas of interest within the communication discipline, and represent a synthesis of their previous learning under the supervision of an appropriate faculty member.

CSCI290 Ind Study: Computer Science - 1 to 4 Credits - Credit hours will be awarded based upon the topic, focus and breadth of the assigned work. Every unit for which credit is given is understood to represent at least three hours of work per week per standard term on the part of an average student, or the equivalent.

CSCI490 Ind Res Topics Computer Science - 1 to 4 Credits - Credit hours will be awarded based upon the topic, focus and breadth of the assigned work. Every unit for which credit is given is understood to represent at least three hours of work per week per standard term on the part of an average student, or the equivalent.

DANC401 Senior Thesis - 1 to 4 Credits - This is a final dance project by senior students and course credits are determined by the magnitude of the project, with the one-credit course repeatable for a total of 4 credits. It is expected that each credit would reflect a minimum of five hours per week for the 15 weeks of the semester, along with the presentation of a culminating presentation.

EDSE492 Int/Suprv Student Teaching Learning Disabilities - 8 credits – This is a semester-long, full-time internship in a special education setting, either resource room or self-contained classroom. It is the second student teaching experience for students in the Elementary Education – Special Education program, following a full semester in a general education classroom. The designation of 8 credits reflects the full-time nature of the experience, which is completed with a 1-credit seminar and 3-credit accompanying course.

EDUC490 Research Topics in Education - 1 to 4 Credits – This course provides opportunities for independent study in specific topics of interest to individual students. The number of credits for a specific section of EDUC490 in a given semester is determined by the agreed upon outcomes, assessments, and scope of work developed by the student and assigned faculty member. It is expected that for each credit, the student will work approximately four hours per week for fifteen weeks.

EDUC492 Directed Teaching - 10 credits – This is a minimum 15-week student teaching internship, during which the student teacher works full-time in an elementary or secondary school, for at least 40 hours each week. The full-time nature of this course is reflected by the fact that the course and its accompanying 2-credit seminar make a full-time credit load for the student. No other coursework is recommended nor scheduled during this experience.

EDUC690 Special Topics - 1 to 3 Credits – This course provides opportunities for independent study in specific topics of interest to individual students at the graduate level. The number of credits for a specific section of EDUC690 in a given semester is determined by the agreed upon outcomes, assessments, and scope of work developed by the student and assigned faculty member, at a level appropriate for graduate credit. It is expected that for each credit, the student will work approximately four hours per week for fifteen weeks.

EDUC910 Special Topics - 1 to 3 Credits This course provides opportunities for study in specific topics of interest for continuing education credit. The number of credits for a specific section of EDUC910 in a given semester is determined by the outcomes, assessments, and scope of work developed by the faculty member, at a level appropriate for post-baccalaureate credit. It is expected that for each credit, the course will meet for three hours each week for 15 weeks.

EGNR490 Research Topics in Engineering - 1 to 4 Credits - Special studies and/or research in engineering for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the department head. Credit allocation is based on ‘time on task,’ with each credit awarded being equivalent to 40-45 hours of student work time.

EMED490 Ind Study Emergency Medicine - 1 to 3 Credits - This course allows students to further study topics of interest which are either not offered as regular courses or is an extension of offerings. The cognitive outcomes for this course require synthesis of information related to emergency medicine. The amount of credits is determined by the faculty and approved by the dean – in the subject area. The assignment of credits follows the LSSU credit hour policy (3 credits is approximately 45 hours of student work time). The time is split between interacting with a faculty member and actual work on the paper/research project.

ENGL399 Publishing Internship - 1 or 2 Credits - This course is designed to provide students with an opportunity to earn credit while obtaining meaningful work experience in English or publishing outside the classroom setting. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. The course may be repeated up to four times at 1-2 credit hours for a maximum of 3

credit hours with each of the LSSU publications, *Snowdrifts*, a student-run magazine, and *Border Crossing*, the university's international literary journal (for a total of 6 credits).

EVNR290 Ind St: Environmental Science - 1 to 4 Credits - The credit hours allocated for this course depend directly on the scope of the material covered. Each credit hour awarded corresponds to the equivalent of 15 hours of lecture material or 30-45 hours of laboratory or field work.

EVNR399 Internship Environmental Science - 1 to 4 Credits - The credit hours allocated for this course depend directly on the scope of the work completed. Each credit hour awarded corresponds to the equivalent of 45 hours of laboratory or field work over the course of a semester.

EVNR490 Ind St: Environmental Science - 1 to 4 Credits - The credit hours allocated for this course depend directly on the scope of the material covered. Each credit hour awarded corresponds to the equivalent of 15 hours of lecture material or 30-45 hours of laboratory or field work.

EXER295 Practicum - 1 or 2 Credits - One credit practicum is required in the Exercise Science Major and two credits of practicum are required in the Health Fitness Specialist Associate Degree. A maximum of 4 practicum hours can be used in the BS degree. The advisor approved placements equate to 40 hours per credit hour for students to apply academic skills, test professional career choices, and develop networking skills. A contract, weekly journals, mid and final evaluation by agency supervisor, and a final student report on the experience are required.

EXER492 Internship - 6 credits - Required cap-stone course/internship for Athletic Training and Exercise Science. Designated fifteen week placement and/or the completion of 600 hours. Fifteen weeks at 40 hours per week equals 600 hours. Methods of evaluation are very specific, and methods of grading are very specific. The experience not only includes completion of hours, but completion of an administrative project for the agency, documentation by submitting journals every two weeks to the University Supervisor, and a final overall written report on the experience. Exercise Science also requires completion of a client case study or client assessment, and a separate in-service presentation for the agency.

EXER496 Selected Research Topics - 1 to 3 Credits - This variable credit course is the capstone for undergraduate research in Exercise Science. With advisor permission after completion of EXER 358, students enroll in 1 credit to develop their research and submit their IRB, and then enroll in 2 credits to complete and present their research.

FIRE403 Fire Science Internship 3 to 9 credits - Senior level internship for the Fire Science programs. The number of credit hours correlates directly to the required contact hours of the students. The students must have a minimum of 102 hours of contact time with their placement agency for each 3 credits. Listed in 3 credit groups 3, 6 or 9 CR. The greater number of credits allows the students greater exposure to the career field and greater exposure to potential employers.

FIRE490 Ind Study: Public Safety - 1 to 4 Credits - Independent research or directed study under the supervision of a faculty member. The number of credits varies with the reading load and project requirements, with one credit for a light reading load and brief summary and 3 credits for an extensive reading list and research paper or project. Prerequisite: Permission of instructor.

FREN460 Dir Acad/Cultural Immersion – 6 Credits – This multi-faceted course, designed for students who have completed two 300-level French courses at LSSU, takes place in a French-speaking environment and allows students to reach oral and written fluency in language as well as advanced knowledge in a broad variety of areas directly related to French life and civilization. Upon completion of a specific number of courses chosen in consultation with their advisor, students will be granted upper division credits towards completion of their major requirements.

FREN490 Ind Study: French - 1 to 4 Credits - Designed as an independent study, the number of credits is determined by the scope and depth of the project developed by the student, in conjunction with a faculty mentor. It is expected that at least 45 hours of work will be done during the semester for each credit awarded.

GEOG490 Ind Study: Geography - 1 to 4 Credits – Each student must select a topic related to economic, political, cultural, or social geography. The research will be focused on a specific topic. The traditional upper division procedures for such a study and paper include the selection of a topic in consultation with the faculty advisor, the development of an appropriate bibliography of studies and research on the topic area, weekly consultations with the faculty advisor, and a minimum of 120 hours of research expected. The student will be expected to present the research in a public discussion.

GEOL290 Ind Study: Geology - 1 to 4 Credits - The credit hours allocated for this course depend directly on the scope of the material covered. Each credit hour awarded corresponds to the equivalent of 15 hours of lecture material or 30-45 hours of laboratory or field work.

GEOL490 Research Topics in Geology - 1 to 4 Credits - The credit hours allocated for this course depend directly on the scope of the material covered. Each credit hour awarded corresponds to the equivalent of 15 hours of lecture material or 30-45 hours of laboratory or field work.

HIST300 Special Topics - 6 credits - This is a semester-long course in which students are required to participate in “staff-rides,” visitations of multiple historical sites, in addition to course work. The designation of 6 credits reflects the nature of the experience in which students participate in in-depth studies of particular historical sites, which in turn correspond with the weekly lectures. Prerequisite: Junior or senior standing.

HIST490 Individual Historical Research - 1 to 4 Credits - Independent research or directed study under the supervision of a faculty member. The number of credits varies with the reading load and project requirements, with one credit for a light reading load and brief summary and 3 credits for an extensive reading list and research paper or project. Prerequisite: Permission of instructor.

HLTH490 Independent Study in Health - 1 to 4 Credits - This course allows students to further study topics of interest which are either not offered as regular courses or is an extension of offerings. The cognitive outcomes for this course require synthesis of theory and application. The amount of credits is determined by the faculty and approved by the dean – in the subject area. The assignment of credits follows the LSSU credit hour policy (3 credits is approximately 45 hours of student work time). The time is split between interacting with a faculty member and actual work on the paper/project.

HONR401 Honors Thesis - 1 to 4 Credits - A major written work based on independent research or creative effort to be carried out under the supervision of a full-time faculty member. Research is intended to be widely interpreted and may include, but is not limited to, experiments, analysis of existing data, and a summary and integration of already completed but dispersed research. Students will make a formal presentation of their findings to the Honors Council, the thesis supervisor, junior/senior Honors students, and others in the spring of their senior year. The number of credits varies with the research and writing load, as well as the project requirements, as determined by the student, the student's faculty advisor and the honors director (in consultation with the honors council).

INTD310 Foreign Study - 1 to 16 credits, INTD320 Foreign Study - 3 to 16 credits, INTD410 Foreign Study - 3 to 16 credits, INTD420 Foreign Study - 3 to 16 credits – Each of these courses is set up for LSSU students that are participating in non-LSSU, Study Abroad. The variation in the credit allows students to sign up for 1 to 5 classes. Classes are evaluated by faculty/deans within the academic area(s) of study. The practice is consistent with other institutions (NMU, GVSU, others). The amount of credit is determined

by the faculty, via a course by course review (course equivalency) using the same process used for the transfer of courses to LSSU. Courses are evaluated before the student travels to the international destination. A component of the course review process ensures that the course meets the federal definition of a credit hour.

INTD490 Senior Directed Study - 3 or 4 Credits – This course was designed for Liberal Studies students and allows these students to complete a paper/project within their area of study. Most capstone courses at LSSU are 3 – 4 credits therefore the variable credit. The amount of credits is determined by the faculty and approved by the dean – in the subject area. The assignment of credits follows the LSSU credit hour policy (3 credits is approximately 45 hours of student work time). The time is split between interacting with a faculty member and actual work on the paper/project.

JAPN105 Intensive Introductory Japanese Lang I - 10 credits – This course is designed as an intensive introduction to the study of Japanese. The class meets five hours per week and the laboratory/recitation/practice sessions meet five hours each week, for a total of ten hours per week. The “New Jordan Method” of Japanese language studies for English speakers is used in both class and lab sessions. The course is offered through the Japan Center for Michigan Universities (JCMU) study abroad program, a product of the strong sister-state relationship between the State of Michigan and Shiga Prefecture, Japan. The program is dedicated to building relationships between Japanese, Americans, and other nationalities through active learning and participation in language, culture, family life and society. It is an intensive 9-week program. The Summer Intensive Language Program allows students to immerse themselves in Japanese life while studying a year’s worth of Japanese language in one summer. The program consists of: 10 credits of intensive Japanese language in four levels, beginner to advanced; daily instruction addressing listening, speaking, reading and writing skills; and Japanese cultural experiences, including field trips and weekly culture classes.

JAPN106 Intensive Introductory Japanese Lang II - 10 credits – This course is designed as a continuation of JAPN105. It stresses uses of written Japanese and a research project in which communication with Japanese in the community is vital. The “New Joran Method” is the basis of the instruction. The class meets five hours per week and the laboratory/recitation/practice sessions meet five hours each week, for a total of ten hours per week. The “New Jordan Method” of Japanese language studies for English speakers is used in both class and lab sessions. The course is offered through the Japan Center for Michigan Universities (JCMU) study abroad program, a product of the strong sister-state relationship between the State of Michigan and Shiga Prefecture, Japan. The program is dedicated to building relationships between Japanese, Americans, and other nationalities through active learning and participation in language, culture, family life and society. It is an intensive 9-week program. The Summer Intensive Language Program allows students to immerse themselves in Japanese life while studying a year’s worth of Japanese language in one summer. The program consists of: 10 credits of intensive Japanese language in four levels, beginner to advanced; daily instruction addressing listening, speaking, reading and writing skills; and Japanese cultural experiences, including field trips and weekly culture classes.

LAWS490 Ind Study: Legal Studies - 1 to 4 Credits - Independent research or directed study under the supervision of a faculty member. The number of credits varies with the reading load and project requirements, with one credit for a light reading load and brief summary and 3 credits for an extensive reading list and research paper or project. Prerequisite: Permission of instructor.

MATH290 Independent Study: Mathematics - 1 to 4 Credits - Credit hours will be awarded based upon the topic, focus and breadth of the assigned work. Every unit for which credit is given is understood to represent at least three hours of work per week per standard term on the part of an average student, or the equivalent.

NURS213 Fundamentals of Nursing - 6 credits - Course includes lecture, lab, and clinical experiences. Learning tasks and theory application for patient care require contact time for applied learning activities. The courses meet the required clinical hour contact time which is required by nursing education accreditation organizations and the Michigan board of nursing.

NURS290 Directed Study in Nursing - 1 or 2 Credits - This course allows students to further study topics of interest which are either not offered as regular courses or is an extension of offerings. The cognitive outcomes for this course require application of nursing science. The amount of credits is determined by the faculty and approved by the dean – in the subject area. The assignment of credits follows the LSSU credit hour policy (3 credits is approximately 45 hours of student work time). The time is split between interacting with a faculty member and actual work on the paper/project.

NURS327 Adult Nursing I- 8 credits - Course includes lecture, lab, and clinical experiences. . Learning tasks and theory application for patient care require contact time for applied learning activities. The courses meet the required clinical hour contact time which is required by nursing education accreditation organizations and the Michigan board of nursing.

NURS431 Adult Nursing II - 8 credits - Course includes lecture, lab, and clinical experiences. . Learning tasks and theory application for patient care require contact time for applied learning activities. The courses meet the required clinical hour contact time which is required by nursing education accreditation organizations and the Michigan board of nursing.

NURS490 Independent Study in Nursing - 1 to 4 Credits- This course allows students to further study topics of interest which are either not offered as regular courses or is an extension of offerings. The cognitive outcomes for this course require synthesis of nursing theory and application. The amount of credits is determined by the faculty and approved by the dean – in the subject area. The assignment of credits follows the LSSU credit hour policy (3 credits is approximately 45 hours of student work time). The time is split between interacting with a faculty member and actual work on the paper/project.

PNUR113 Fundamentals Practical Nursing - 7 credits - Course includes lecture, lab, and clinical experiences. Learning tasks and theory application for patient care require contact time for applied learning activities. The courses meet the required clinical hour contact time which is required by nursing education accreditation organizations and the Michigan board of nursing.

PNUR201 Medical Surgical Practical Nursing - 10 credits - Course includes lecture, lab, and clinical experiences. Learning tasks and theory application for patient care require contact time for applied learning activities. The courses meet the required clinical hour contact time which is required by nursing education accreditation organizations and the Michigan board of nursing.

PHYS290 Independent Study in Physics - 1 to 4 Credits - Special studies and/or research in physics for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the school chair. This course may be repeated for a maximum of eight credits.

POLI290 Res Topics Political Science - 1 to 4 Credits - This may take the form of either a research project or a program of directed reading on a specific topic. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. The number of credits varies with the reading load and project requirements, with one credit for a light reading load and brief summary and 4 credits for an extensive reading list and research paper or project. Prerequisite: Permission of instructor.

POLI463 Seminar in Political Science - 1 to 3 Credits - A reading and discussion seminar dealing with selected topics in political science. The number of credits varies depending on the topic, the reading load,

and project requirements, with one credit for a narrow topic and light reading load and 3 credits for a broad topic with an extensive reading list. Course may be repeated with permission of instructor. Prerequisite: Junior or senior standing.

POLI490 Ind Study Political Science - 1 to 3 Credits - Independent research or directed study under the supervision of a faculty member. The number of credits varies with the reading load and project requirements, with one credit for a light reading load and brief summary and 3 credits for an extensive reading list and research paper or project. May be repeated for a total of nine credits. Prerequisite: Permission of instructor.

POLI499 Pol Sci/Pub Admin Internship - 3 to 9 Credits - Students arrange, with the assistance and approval of the instructor, a supervised work experience in a governmental, community or nonprofit organization. Students perform professional tasks under the supervision of agency personnel. The number of credits varies with the number of supervised hours within the placement agency, with 120 hours required for every 3 credits. Increased contact time allows greater exposure to various aspects of the career field and client assessment. The students' review and evaluation of the work experience is under the direction of the instructor. Permission of the instructor required by the seventh week of the preceding semester. Course may be repeated to a maximum of nine credits.

PSYC490 Research Topics in Psychology - 1 to 4 Credits - This may take the form of either a research project or a program of directed reading on a specific topic. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. The number of credits varies with the reading load and project requirements, with one credit for a light reading load and brief summary and 4 credits for an extensive reading list and research paper or project. Prerequisite: Permission of instructor.

RECS295 Practicum - 1 or 2 Credits - One credit of practicum is required in the Park and Recreation major, and the Sport and Recreation major. A maximum of 4 practicum hours can be used in the BS degree so up to 3 credits could be utilized as program electives in Sport and Recreation Management. Parks and Recreation has no program electives but they could count towards overall credits. A two credit practicum is required in the Coaching Minor and the Sports Marketing Minor. The advisor approved placements equate to 40 hours per credit hour for students to apply and further apply academic skills, test professional career choices, and develop networking skills. A contract, weekly journals, mid and final evaluation by agency supervisor, and a final student report on the experience are required.

RECS492 Internship - 2 to 6 credits. 6 Credits - Required cap-stone course/internship for Parks and Recreation and Sport and Recreation Management. fifteen week placement and/or the completion of 600 hours. Fifteen weeks at 40 hours per week equals 600 hours. Methods of evaluation are very specific, and methods of grading are very specific. The experience not only includes completion of hours, but completion of an administrative project for the agency, documentation by submitting journals every two weeks to the University Supervisor, and a final overall written report on the experience.

2 to 5 credits - may be utilized as program electives in the Recreation Minor as determined by the academic advisor, with hours calculated on a ratio basis of 6 credits/600 hours. (2 credits=200, 3 credits=300 etc.)

RECS496 Selected Research Topics - 1 to Credits - This variable credit course is utilized as a 1-3 credit program elective in Sport and Recreation Management and in the Recreation Minor. It is also used as a two credit program requirement in the Sports Marketing minor, and applied general credits in Parks and Recreation. Students select a topic with advisor approval, create an outline to be approved, and develop the research topic under the mentorship of their advisor. The credits determine the breadth of the project and 3 credit projects are to be orally presented.

SOCY490 Ind Research Topics Sociology - 1 to 4 Credits – This course allows advanced students to further study topics of interest which are either not offered as regular courses or are extensions of introductory offerings. Credit varies with the work load, with students reading at least 250 pages and producing 15 pages of written critical commentary for every 1 credit received.

SOWK250 Social Work Practicum - 3 to 9 credits – Required internship for the counseling and social work minors. The number of credits varies with the number of supervised hours within the placement agency, with 120 hours required for every 3 credits. Increased contact time allows for greater exposure to various aspects of the career field and client assessment. Students are evaluated by site supervisors, both at midterm and at the end of the term on completion of duties assigned within the agency, and students are required to submit a detailed log of their hours and assigned tasks, as well as a reflection paper on their experience at the end of the term.

SPAN301 Study Abroad - 8 credits – Students who have completed a minimum of two courses of Spanish at LSSU and are admitted by the faculty of the Spanish department to this course will take a variety of classes at an accredited institution in a Spanish-speaking country during the summer semester. Students will spend a minimum of 30 hours per week in class. They will also be required to visit sites for archaeological, historical and cultural importance. The students' work and progress will be monitored and evaluated by the LSSU Spanish Department in cooperation with the foreign institution.

SPAN490 Topics in Hispanic Literature - 1 to 4 Credits - This is an independent course designed to provide opportunities for students to explore genres, periods, and authors of particular interest to them, in conjunction with a faculty mentor. The scope and depth of the project developed will determine credits awarded, with the expectation that at least 45 hours during the semester is required for each credit.

THEA161 Theatre Practicum - 1 to 6 Credits - This course provides practical experience in the production of a theatrical performance. It may be used by students participating in acting, publicity, costuming, stage crew or set construction. The variability is due to the diverse range of topics that may be addressed and the fact that the one credit course may be repeated for a total of six credits.



Supplement A2
Policies related to the assignment of Credit



Policies related to the assignment of Credit

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2. Financial Aid Policies page 28
3. Admission Policies page 35
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Academic Policies

Please familiarize yourself with the academic policies described in this catalog. They will help you obtain your educational objectives. Faculty advisors, staff and administrative personnel will also help you negotiate your way through these policies — seek their advice whenever you have questions!

Student Classifications

0 to 25 credits = freshman

26 to 55 credits = sophomore

56 to 87 credits = junior

88+ = senior

The Academic Year

Lake Superior State University operates on a semester system. There are two regular 15-week semesters (fall and spring) which begin in August or September and end in April or May. The summer semester consists of classes

offered in two six-week sessions, or one 12-week session. Please view the [Important Dates](#) for specific information for each semester.

Academic Credit

One credit is equal to 14 hours of classroom instruction in lecture/recitation courses. For example, a three-credit course might be scheduled 9-9:50 a.m. Monday, Wednesday and Friday for 14 weeks plus one week for exams. Laboratory classes, field work or other non-lecture classes meet for more than one hour a week per credit.

You should expect to spend two hours of study or class preparation for each hour spent in class.

The average credit-hour load for full-time students is 16 credits. A minimum of 124 credits is required for all baccalaureate degrees; a minimum of 62 credits is required for all associate degrees.

Academic Transcripts

You may have an official copy of your permanent records sent to schools, companies and other places or persons of your choice. Complete and sign a [Transcript Request Form](#) and mail or fax it to the Registrar's Office, 650 W. Easterday Avenue, Sault Ste. Marie, MI 49783. Your first official transcript requested is free; after, there is a \$5 charge for each transcript. Student copy transcripts are issued directly to you and can be requested free of charge at the Registrar's Office in the Fletcher Center. You must show a picture I.D. Any financial or other obligations to the University must be cleared before a transcript is released. You may also print an unofficial transcript on-line using Anchor Access.

Student Curriculum Choice and Advising

When you apply for admission, you are asked to declare a major. The major you declare will determine which major department you are in and the academic advisor assigned to you. Please get to know your advisor well and meet with him/her often to get help in class selection, degree progress and career advice. You may change your major by processing a Major Change Form, available in Anchor Access and in the academic offices. Major Change Forms must be filed with the Registrar's Office for each major change. If you are unsure of your major, you will be assigned to the Liberal Arts-Unclassified major.

Semester Course Selection

Registration for the next semester takes place near the end of your current semester.

Three weeks before registration, course schedules listing times, dates and locations will be available [online](#) and in Anchor Access. Review the class offerings, read the instructions for scheduling, and meet with your advisor to select courses for the next semester.

You must sign up for classes for the semester in which you will be doing the actual work.

Please review all the registration information carefully as it has dates for registration according to class level, dates for tuition payments, and information regarding prerequisites, corequisites and other course requirements.

It is your responsibility to ensure that the classes you take count toward your degree program. You may, however, be required to take developmental courses (course numbers beginning with "0", such as MATH087), which will not count toward graduation.

Test Scores: When you apply for admission, you will send your ACT or SAT scores to Lake Superior State University. Your scores determine the level of English and mathematics courses into which you will be placed. If you have been out of high school more than 26 months and have not taken the ACT or SAT, you will take placement tests at the Testing Center at Lake Superior State to determine your placement in English and mathematics.

Prerequisites: Many courses require that you complete English, reading and/or mathematics, or other preliminary classes before registering for the course. If you are currently enrolled in a course which is prerequisite to a course you need the following semester, you may register for the course on the presumption you will successfully complete the current course. If you do not earn the prerequisite grade required for the next course, you should consult your advisor and make a plan for an alternate course. Exceptions may be made only by the dean of the college or the instructor of the course.

Maximum credit load: You may carry up to 20 credits per semester. You may take more credits if you have a 3.00 GPA or higher and have written approval from the appropriate dean. Students on academic probation should not take more than 15 credits.

Adding/Dropping courses through the Add/Drop Period: You may add or drop courses online using Anchor Access through the sixth day of the fall or spring semester. If you are attending a summer semester, you can add or drop courses online through the fourth day of the semester.

If you wish to add a course that is full or without having the necessary prerequisites, you must contact the instructor for that course to request permission. If the instructor approves the request, he/she will complete an Instructor Override for you. You must then go online and register for that course.

Courses dropped through the sixth day (fourth for summer semester) will not appear on your academic transcript.

Adding courses after the Add/Drop Period of the semester: Online registration ends on the sixth day of the semester (fourth for summer semester). If you wish to add a course after this date, you must have the instructor's permission. You will need to complete a Schedule Adjustment Form, have the instructor sign it giving permission, and then process the form at the Registrar's Office, located in the Fletcher Center for Student Services.

Dropping courses after the Add/Drop Period of the semester: You may drop a full-semester course during the first eight weeks (40 days) of the semester. For courses running less than a full semester (e.g. seven-week

class), check online for the official drop dates — the time period for dropping will be approximately equal to one-half of the course instructional period. If you drop a course, you will receive an N grade on your academic transcript. N grades are not counted in the academic GPA.

Repeat Policy

This policy is in effect for all students starting at Lake Superior State University as of the Fall Semester 2011. You may repeat a class in which you earn a grade other than “W” or “N” only twice without special permission.

1. Courses transferred from other institutions are included in this policy.
2. Both the original and repeat grades will show on the transcript, but hours earned toward graduation will only count once.
3. For the purpose of calculating the cumulative grade point average, only the grade of the last attempt will be used.

To repeat a course more than twice, the student must attain the permission of the course instructor and the dean of the college offering that course. Permission is only granted under extenuating circumstances.

Policy on substitutions or waivers for failed classes

If you fail a class required for your degree program, you must repeat the class and receive a passing grade. If the failed class is no longer offered because of program changes and/or course deletions, the dean may approve a substitution or waiver recommended by the academic chair. The chair must provide reasons for the recommendation on the substitution/waiver form which is sent to the dean’s office for approval. Upon approval, the dean will then send the form to the Registrar's Office.

Withdrawals

If you are an enrolled student and drop all of your classes during the first eight weeks of the fall or spring semester (dates vary for summer semester), you may be eligible for a partial tuition refund. You will need to complete a Withdrawal Form at the Registrar's Office. ([Please check online for the refund policy and dates.](#))

Before leaving, be sure you have cleared any holds on your records so you can return at a later date or have transcripts of your academic records sent.

Late Withdrawal: Students requesting a late withdrawal from one or all of their classes after the official drop date need to complete a [Request for a Late Withdrawal and/or Tuition Appeal Form](#) and have documented extenuating circumstances. The decision to grant the late withdrawal and/or tuition appeal will be made by the Late Withdrawal Appeal Committee. Appeals are reviewed in the order received and results may take from two to four weeks. The need for additional documents may delay this timeframe. All decisions by the committee are final and not subject to appeal.

Class Attendance

Regular class attendance and active participation in classes are important elements in the learning process. You are at the University primarily for the sake of intellectual growth and development. Attendance and participation provide appropriate opportunities for the evaluation of your progress.

You are personally responsible for the satisfactory completion of the course work prescribed by your instructors. This means that you are expected to attend classes regularly, and that you are responsible for the work assigned in class, the material covered in class, and for participation in class activities (including discussion and listening) designed by the instructor as part of the learning experience. However, mere physical attendance should not be a criterion for evaluation of your performance.

Participation in an official University function is an excused absence when approved by the provost. You will not be penalized for such participation. You are responsible for work missed and must confer with your instructor on this matter.

Grading System

Grades and Grade Points

Grade	Grade Points per Credit
A+	4.00
A Excellent	4.00
A-	3.70
B+	3.30
B Good	3.00
B-	2.70
C+	2.30
C Average	2.00
C-	1.70
D+	1.30
D Inferior	1.00
D-	0.70
F Failure	0.00
I Incomplete	0.00
N No Grade	0.00
W Late Withdrawal	0.00
AU Audit	0.00
CR Credit	0.00
CR (undergraduate level) is equal to a 2.00	

CR (graduate level) is equal to a 3.00	
NC No Credit	0.00

Grade Point Average (GPA): To calculate your GPA for a semester, divide the total quality points earned by the GPA hours. GPA hours include those earned or failed but not those classes taken for credit/no credit. Cumulative GPA is calculated by dividing total quality points earned by the number of GPA hours carried in all semesters. If you repeat a course, count only the credits carried and the points of the last grade earned. Only the grade of your last attempt is calculated in your GPA.

A cumulative GPA of 2.00 for all credits is required for graduation. Further, a 2.00 cumulative grade point average for all credits in major, minor(s), and general education is required. Some programs require a higher GPA in the major curriculum.

"I" (incomplete) grade: Students may request an "I" (incomplete) grade for a course if extenuating circumstances beyond their control prevent the completion of the course requirements by the end of the semester. Examples of extenuating circumstances may include health issues, death of a parent/spouse/child, or military service. Students and faculty must be aware that an "I" (incomplete) grade counts toward the student's attempted credits for a semester and may thus affect Satisfactory Academic Progress. Students receiving financial aid must consult with the Financial Aid Office to discuss their specific situation when electing to drop a course or requesting an "I" (incomplete) grade.

Appropriate documentation is required. Students will need to be enrolled and have completed the majority of the work required for a course during the semester to be eligible to request an "I" (incomplete grade). An "I" (incomplete) grade may be issued in a course that by design can not be completed in one semester. An example of this type of course would be a study abroad course that requires the student to be out of the country until after the official semester end date. An "I" (incomplete) grade shall not be issued as a midterm grade for any course.

Students must work with the instructor to complete all missing requirements by a date specified by the instructor. If a date is not given, the student will have a maximum of two semesters (excluding summer semesters) to complete the requirements for the course and to have the "I" (incomplete) grade changed to an appropriate final grade. Students should not re-enroll in any class in which they currently have an "I" (incomplete) grade.

If the "I" (incomplete) grade has not been changed to an appropriate final grade by the end of two semesters (excluding summer semesters) the "I" (incomplete) grade will be changed to an "F" (failure) grade.

Students are **not** eligible to receive a degree or certificate with an "I" (incomplete) grade on their academic record.

N and W grades: These grades are given to those classes that you have officially dropped (N) or withdrawn (W).

Credit/No Credit Courses

You may enroll in some courses on a credit/no credit basis if you are in good academic standing. The following conditions exist:

1. One course per semester may be taken as credit/no credit.
2. Only 12 credits of courses taken as credit/no credit may be applied toward a degree.
3. Courses that are required by your major, minor, or that are general education courses, can not be taken for credit/no credit.
4. You apply at the Registrar's Office to enroll for a credit/no credit course during the add/drop period; cannot change to regular grades after the add/drop period ends.
5. You maintain a 2.00 (C average) in a course to receive a CR grade.
6. Instructors are not notified that you are taking a course as credit/no credit; the CR or NC credit is assigned based on the grade your instructor submits.
7. Certain courses are always offered with a credit/no credit format. These courses have this information in the official course description and course syllabi. The policy and limitations outlined above do not apply to these courses.

Auditing a Class

Audits are designed for someone who wishes to take a particular course for its content but not be graded for the course. An LSSU student may register for any course on an audit basis provided all prerequisites have been satisfied. Normal tuition and fees are charged for audited courses.

The coursework for auditing a course is determined in conjunction with the faculty member for the course.

Auditing courses does not count as part of a student's official class load for determining financial aid eligibility, veteran's benefits or any other enrollment certification requirements.

Students may change from an audit to credit status during the first week of classes and only with the concurrence of the faculty member for the course. This change must be processed through the Registrar's Office for grading purposes.

Senior Audit Policy

Residents of Michigan who are 60 years of age or older may take undergraduate courses at Lake Superior State University without paying tuition (tuition is waived). Such residents may register on an [audit basis](#) for any undergraduate course offered by the University, provided that space is available, and the individual meets the prerequisites or has the permission of the instructor. Verification of age must be provided to the Registrar.

Those participating in course work under this program shall be entitled to full classroom participation, and may complete all assignments and examinations for evaluation by the instructor. The purchase of textbooks, program fees, special course fees, and required materials shall be the responsibility of the participant. The student's name will not appear on an instructor's official class list or grade roster and no grade will be recorded for the student in the Registrar's Office.

Dean's List

Full time students carrying at least 12 graded credits of college-level courses (100 level or above) in a semester with a grade point average (gpa) of 3.500 or higher, and NOT having any incomplete ("I") grades, will earn Dean's List honors, which acknowledge outstanding academic achievement.

If a grade is changed within 30 days from the end of the semester because of an instructor error in the recording of a grade, or because the student has completed the work required to resolve an Incomplete ("I") grade, the student will be considered for Dean's List honors.

Effective fall semester 2006, students earning Dean's List honors will have this designation noted on their LSSU academic transcript.

Prior Learning Policy

Credit for Prior Learning (CPL)

LSSU recognizes that students may acquire expertise, skills and knowledge through individual study, employment, military training, community service or other experiences outside of the normal college setting, which is known as prior learning. LSSU credit may be awarded for prior learning through successful completion of standardized examination programs, (e.g. CLEP, Advanced Placement, DANTES), credit recommendations of the American Council of Education, or successful completion of "departmental examinations". Credit may also be awarded upon successful completion of an individual Prior Learning Portfolio that documents the demonstration of learning outcomes for a specific course or set of courses.

All prior learning credits are considered transfer credits and are subject to the same policies as other transfer credits. Discuss your prior learning experience with your academic advisor, chair or dean for more information. University residency requirements apply to all forms of prior learning (e.g. a minimum of 30 credits of the 124 credits required for an LSSU baccalaureate degree must be earned using LSSU coursework). See the Academic Catalog for the complete residency policy.

CPL Portfolio Program

The CPL Portfolio program grants credit after a successful faculty evaluation, and Dean approval, of a portfolio that demonstrates mastery of the learning outcomes for a specific course or set of courses. Unlike typical course

articulations, no list of equivalencies exists since every person's prior learning experience can vary significantly. It is only through the CPL Portfolio review process that equivalencies are identified and credit awarded. Because of this, not all Lake Superior State University courses are eligible for CPL Portfolio review. Credits awarded through the CPL Portfolio review support a student's goals and are applied to a specific academic degree program. A typical portfolio will capture prior learning experiences from work experience (based on past employment), past training (such as classes, workshops, seminars, etc.), and life experiences (long-term activities that may have resulted in college level learning). The University provides guidelines and assistance for CPL Portfolio development through the School of Arts and Letters.

If you are interested in pursuing credit for prior learning through a CPL Portfolio, you should contact the Dean or the Chair of the School of Arts and Letters to review the process. After that meeting, you will be directed to a dean or multiple deans to review your request(s).

CPL Portfolio Criteria:

In order to be considered for CPL Portfolio credit review, a student must be currently enrolled in a degree program and his/her cumulative GPA must be a minimum of 2.00, or higher where required by the program. Furthermore:

1. All CPL Portfolio credit is considered non-LSSU credit (transfer credit) and is limited by LSSU policy to 60 credits and only 16 credits may be used to fulfill 400 level coursework.
2. CPL Portfolio-based credit may only be awarded for content which applies to the student's degree program. Approved CPL will appear on a student's transcript.
3. CPL credit may not be applied to fulfill the University's residency requirement.
4. CPL credit may not be used to satisfy the General Education Requirements of the University.

CPL Portfolio Guidelines:

1. Portfolios must be submitted to the Dean of the College or School responsible for the content review by the 12th Friday of the semester (two weeks before final examinations) during the academic year, or by the 2nd Friday in July for the summer semester. Students are not eligible to submit a CPL Portfolio in their anticipated term of completion (e.g. graduation term).
2. Credit will be granted for college-level learning and only for courses required for LSSU degrees.
3. Credit for any specific instance of prior learning can only be awarded once (e.g. credit for knowledge gained in mathematics cannot be awarded once through CLEP then again petitioned through a CPL Portfolio or transfer credit). All CPL Portfolio requests must be submitted at one time to facilitate coordination of credit awarded, and separate portfolios must be submitted to each School for all credits which the student seeks to have evaluated within the school.

4. The CPL Portfolio may be used to award credit for specific LSSU courses or for general elective credit applicable to the degree program. The amount of credit to be allowed through portfolio evaluation identification of specific courses for substitution, if any, and the fulfillment of graduation requirement, if any, is determined by the Dean of the appropriate school under advisement of the school faculty.
5. While the School of Arts and Letters faculty provide general guidance and assistance, it is each student's responsibility to complete a narrative and a portfolio of documentation, which will be the basis for awarding credit.
6. To assist students interested in developing a portfolio for this purpose, the University may provide an elective portfolio course (e.g. USEM201 Prior Learning Portfolio Development).
7. CPL Portfolios will be evaluated on the alignment of learning evidenced with the specific course's or program's learning outcomes. Elements in the portfolio may include documentations of leadership and community service experiences, professional work experiences, creative contributions to society, and completion of professional training.
8. CPL Portfolios will be evaluated by faculty qualified to teach the course(s) for which the portfolio has been submitted.
9. Credit under this program cannot be obtained for learning when proficiency exams are required by the appropriate department.
10. Formal CPL Portfolio review to evaluate for credit requires an initial \$50 processing fee for each CPL Portfolio submitted using the [CPL Portfolio Review Form](#). If approval is received, the student will be required to pay an additional \$75 per awarded credit.

Grade Appeal Policy

Lake Superior State University has established procedures for students to appeal the final course grade. The only concerns that may be grounds for an appeal are the grades, and the consistent application of class requirements and policies as they pertain to grades. As with other concerns, a student may also want to consult with the Student Ombudsman, www.lssu.edu/ombudsman, to discuss the matter.

A student who has concerns regarding a final course grade may take the following steps:

1. Contact the course instructor and discuss the concern(s). This will serve as an informal review and an opportunity for open dialog regarding the concern(s).

2. If the informal review does not lead to a satisfactory resolution the student may choose to file a formal appeal. The appeal must be filed with the course instructor within 20 university working days of the posting of the final grade, with copies of the appeal documentation provided to the School Chair. The course instructor shall respond to the appeal in writing to the student and Chair within five (5) university working days upon receipt of the appeal. The appeal shall include:
 - The [Grade Appeal Record of Action Form](#)
 - Statement of Appeal: this should be brief and specific
 - Justification: reasons for lodging the appeal should be presented with supporting evidence (all documentation must be provided at this point)
 - Remedy: a specific remedy should be cited.
3. If the School Chair's response does not lead to a satisfactory resolution the student may, within three (3) university working days of receipt of the response, request formal review of the appeal by the Dean of the College/School. The student shall deliver the appeal documentation to the Dean who shall respond in writing to the student, the course instructor, the Chair, and the Provost within five (5) university working days upon receipt.
4. If the appeal timelines stated above are not met by the student the appeal is considered closed and no further action is required. If the appeal timelines stated above are not met by the university personnel the appeal can be advanced by the student to the next step. The Provost may grant an extension in time at any step due to extenuating circumstances; such extensions will be documented on the Grade Appeal Record of Action.
5. If steps 1-4 do not lead to a resolution of the concern the student may petition the Provost, within three (3) university working days of receipt of the Dean's response, to convene an ad hoc Grade Review Board for a formal hearing of the appeal. The student shall deliver to the Office of the Provost the completed Grade Appeal Record of Action and all documentation required as evidence to the appeal.

The members of the Grade Review Board, appointed by the Provost or his/her designee, shall include a Dean of a college other than that in which the course is housed, two faculty members from schools other than that of the course, and two students of junior or senior standing. Copies of all documentation will be provided to members of the Grade Review Board, the professor and the student. No new documentation will be introduced at the Hearing. The Provost or his/her designee will convene the Grade Review Board Hearing and may participate in deliberations; however, he/she will not cast a vote should there be dispute in determining recommendations.

At the Grade Review Board Hearing, the student shall present his/her argument, followed by the professor's response. The Board shall promptly prepare a written recommendation and forward copies to all parties involved, including the student, course instructor, Chairperson, Dean, and Provost. The report shall include dissenting opinions on the Board, if any. Recommendations of the Board are advisory to the Provost, who will make a final determination. Records of each case heard by the Board shall be maintained in the office of the Provost.

General Information:

A university working day (UWD) refers to those days when the university is in normal operation, and university offices are open for business.

“Receipt” refers to the day upon which the appropriate document(s) are officially initialled by the person(s) designated.

The Provost may establish appropriate and reasonable extensions of time in cases where the student is not actively enrolled in the current semester, or where the course instructor is not assigned teaching duties for the current semester.

Undergraduate Academic Standing

Full- and Part-Time Students Academic Probation and Dismissal Policy

For Undergraduate Coursework

Effective Summer 2005

Cumulative GPA Hours Carried at LSSU	Minimum for Good Standing*	On Probation	Dismissal
1 - 18.9	2.00	less than 2.00	two consecutive semesters on probation
19 - or more	2.00	less than 2.00	two consecutive semesters on probation or 1.60 or less gpa

You will be dismissed for academic deficiencies if you are on probation for two consecutive semesters at Lake Superior State University. If your cumulative GPA Hours* (as shown on your transcript) are 19 or more and your grade point average is 1.60 or less, you will be dismissed. GPA Hours are those used in figuring your grade point average. Classes not at the 100-level or above are not counted in the GPA Hours. Classes with grades of CR/NC are not counted in the GPA Hours.

*A cumulative grade point average of 2.00 for all credits carried at Lake Superior State University and a cumulative grade point average of 2.00 for all courses required in your major, minor and general education is necessary for graduation (effective fall 2007).

1. You will be on academic probation if your cumulative grade point average falls below 2.00. Academic Probation limits you to 15 credits. You must contact your advisor to adjust your schedule before classes start for the next semester.

2. If you are on probation for two consecutive semesters (summer semester included if you are enrolled in summer classes), you will be academically dismissed or, if your cumulative GPA Hours are 19 or more and your grade point average is 1.60 or less, you will be academically dismissed. Your classes for the next semester(s) will be deleted.
3. After a first or second dismissal you may choose one of the following options:
 1. Allow two semesters (summer may be counted for one semester) to elapse before re-enrollment,

or
 2. Petition the Scholastic Standards Committee for immediate readmission should extenuating circumstances exist. This action is initiated with the Chair of the Scholastic Standards Committee. The Committee can either permit early readmission with specific conditions required of you or deny your request. Subsequent to the Committee's denial, you can further appeal in writing to the Provost, whose decision is final.
4. If you continue after a dismissal, you will be dismissed again after any semester in which your cumulative grade point average falls below a 2.00. The Registrar may allow you to continue "on probation," with the record showing "on probation" instead of "academic dismissal" if your record has shown improvement during the semester and you have a 2.00 grade point average in courses carried for that semester.
5. If you are dismissed a third time, you will not be reinstated without the permission of the Provost. Three semesters must elapse from the time of dismissal before you may petition for readmission. Summer may be counted for one semester.
6. The Scholastic Standards Committee may dismiss you from the university for demonstrated academic dishonesty.

Graduate Academic Standing

Full- and Part-Time Students Academic Probation and Dismissal Policy For Graduate Level Coursework

Effective Summer 2011

A cumulative grade point average of 3.00 for all graduate credits carried at Lake Superior State University and a minimum grade of B for each course, including courses transferred into the program, are required for graduation.

1. You will be on academic probation if your cumulative grade point average falls below 3.00. Academic Probation limits you to six (6) credits. You must contact your advisor to adjust your schedule before classes start for the next semester.
2. If you are on probation for more than two consecutive semesters (summer semester included if you are enrolled in summer classes), you will be academically dismissed. Your classes for the next semester will be deleted.
3. After a first or second dismissal you may choose one of the following options:
 1. Allow two semesters (summer may be counted for one semester) to elapse before re-enrollment,

OR
 2. Petition the Scholastic Standards Committee for immediate readmission should extenuating circumstances exist. The Committee can either permit early readmission with specific conditions required of you or deny your request. Subsequent to the Committee's denial, you can further appeal to the Provost, whose decision is final.
4. If you continue after a dismissal, you will be dismissed again after any semester in which your cumulative grade point falls below a 3.00. The Registrar may allow you to continue "on probation," with the record showing "on probation" instead of "academic dismissal" if your record has shown improvement during the semester and you have a 3.00 grade point average in courses carried for that semester.
5. If you are dismissed a third time, you will not be reinstated without the permission of the Provost. Three semesters must elapse from the time of dismissal before you may petition the Provost for readmission. Summer may be counted for one semester.
6. The Scholastic Standards Committee may dismiss you from the university for demonstrated academic dishonesty.

Cheating and Plagiarism: Academic Integrity

Academic integrity is a key component of the core values of Lake Superior State University. All members of the University community are expected to be honorable and ethical and observe standards of conduct appropriate to a community of scholars. Students are expected to behave in an ethical manner. The University community will not tolerate academic dishonesty as such behavior will cause harm to the reputation of students, faculty, and graduates of the institution. Such dishonorable behavior includes, but is not limited to, cheating, fabrication, plagiarism, and obtaining an unfair advantage. These terms are defined below:

Cheating

Cheating is defined as using or attempting to use unauthorized materials or information of any kind during an exam or graded assignment of any kind. Using notes, texts, help from individuals, or copying information from another individual's exam, or by using electronic or any other means constitutes cheating unless such resources are EXPLICITLY allowed by the instructor.

Fabrication

Fabrication is any unauthorized falsification, invention, or copying of data, falsification of information, citations, or bibliographic references in any academic work. It also includes falsifying any academic record or other University document.

Plagiarism

Plagiarism is representing someone else's work as one's own. Failing to cite references or presenting material, verbatim or paraphrased, that is not acknowledged and cited also constitutes plagiarism.

Obtaining an Unfair Advantage

Academic integrity is violated when one obtains an unfair advantage by stealing, reproducing, circulating, or otherwise gaining access to examination materials before they are distributed by the instructor. Also prohibited are stealing, destroying, defacing, or concealing library materials with the purpose of depriving others of their use.

Possible Sanctions for Offenses

It is in the best interest of the University community to sanction any individual who chooses not to accept the principles of academic honesty by engaging in the above acts. Appropriate sanctions may include failure of an assignment or exam, failure of a course, or dismissal from the University.

Faculty and University Responsibilities

Unless the faculty member has explicitly specified otherwise, students are to assume that exams are individual, closed book, and without the use of notes or similar reference materials. Unless specifically allowed by the faculty member, papers, projects, and similar products are expected to be the original individual work of the student. If notes, texts, other reference materials, group work or similar activities are to be allowed, the faculty member will specify what is permitted for a particular assignment or exam prior to disseminating the assignment or exam.

A faculty member who observes a violation in one or more of the above areas shall meet with the student to address the violation. If, in the judgment of the faculty member, academic integrity has been violated, the faculty member will impose the appropriate sanction, either a failure for the assignment or exam, or failure for the course. The faculty member will then file an Academic Integrity Incident Report with the department chair, dean, the Provost's Office, and the office of Student Affairs. This report will be kept in the Provost's Office as well as in the office of the Vice President of Student Affairs for a period of five years. A copy of this report will also be placed in

the student's advising file. Academic Departments or Schools may have additional policies and procedures that could provide further recommendations to the Provost's Office when instances of academic dishonesty are suspected. This policy is also applicable in the Testing Center.

In cases of egregious or repeated violations, it may be determined by the faculty member, his/her department chair, or dean, that dismissal from the University is warranted. In this case, the chair of the Scholastic Standards Committee and the student will be notified. The Scholastic Standards Committee will then conduct a hearing in which the student is granted due process. If the committee decides that dismissal from the university is warranted, the student will have five school days to appeal the decision to the Provost of the University. The Provost may either affirm the decision to dismiss, or reinstate the student and provide a rationale for doing so.

Theft

Everyone is expected to show respect for University and individual property. Theft of any kind, whether of money, property, or services, violates the entire community and will not be tolerated. Destruction or mutilation of books, magazines, or other library material is considered a form of theft. Theft, damage or destruction of University property, or the property of others, is considered a serious offense against the University community and may result in penalties including the issuance of fines, removal from the campus, dismissal from the University, and/or criminal prosecution. If you have anything stolen while on University property, please notify the Public Safety Department by calling 635-2210 as soon as possible.

Family Educational Rights and Privacy Act (FERPA)

Section 438 of the General Education Provisions Act, as amended, sets forth the requirements to be met by an educational institution to protect the privacy of students. This act is called the Family Educational Rights and Privacy Act and shall be referred to hereafter the Act. The Act generally governs access to student educational records and the release of such records. The Act also requires that institutions of higher education must provide students access to official records directly related to the student and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading or inappropriate. Educational institutions must also obtain written consent before releasing personally identifiable data about students from records to other than a specified list of exceptions. In addition, students must be notified of these rights.

In accordance with provisions of the Act and the regulations enacted by the U.S. Department of Education, Lake Superior State University has adopted the following policies and procedures:

Section 1. General Policy on Access and Disclosure

Lake Superior State University shall not as a matter of policy or practice:

1. Deny or prevent students at the University the right to inspect or review the educational records of such students,

or

2. Permit the release of educational records contrary to the provisions of the Family Educational Rights and Privacy Act and the policies and procedures set forth in the following sections.

Section 2. Notification to Students

Under the provisions of the Act, the University must [annually notify students](#) of their rights and the institution policies pertaining to the Act. In addition, notice must be given to the location where the policy can be obtained as well as to inform the students of the right to file complaints with the U.S. Department of Education concerning alleged failures by the University to comply with the Act. In accordance with these requirements the annual notice regarding students' rights, the location of copies of the University's policies setting forth these rights, as well as the right to file complaints with the Family Educational Rights and Privacy Act Office, shall be published in the University Catalog. The annual letter to students will notify students of directory information.

The registrar is the hearing officer for the Act and is responsible for implementing the notification requirements and the distribution of copies of the policies and procedures.

Section 3. Education Records Defined

"Education records" means those records which:

1. Directly relate to a student or
2. Are maintained by the University or its agent.

The term does not include:

1. Records of institutional, supervisory, and administrative personnel which:
 1. are in the sole possession of the maker thereof, and
 2. are not accessible or revealed to any other individual except a substitute.

A **substitute** is defined as one who performs, on a temporary basis, the duties of the individual who made the record. It does not refer to an individual who permanently succeeds the maker of the record in his or her position.

2. Records of the law enforcement unit of the University (Security Department) which are:
 1. maintained apart from the University's educational records;
 2. maintained solely for law enforcement purposes; and
 3. not disclosed to individuals other than law enforcement officials of the same jurisdiction, provided that educational records maintained by the University are not disclosed to the personnel of the law enforcement unit.
3. Records relating to an individual who is employed by the University which:
 1. are made and maintained in the normal course of business;

2. relate exclusively to the individual in that individual's capacity as an employee; and
 3. are not available for use for any other purpose.
 4. This paragraph (3) does not apply to records relating to an individual in attendance at the University who is employed as a result of his or her status as a student.
4. Records relating to an eligible student which are:
1. created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting in a professional or paraprofessional capacity, or assisting in that capacity;
 2. created, maintained, or used only in connection with the provision of treatment to the student; and
 3. not disclosed to anyone other than individuals providing the treatment; provided, that the records can be personally reviewed by a physician or other appropriate paraprofessional of the student's choice. For the purpose of this definition, "treatment" does not include remedial educational activities or activities which are part of programs of instruction at the university.
5. Records of the university which contain only information relating to a person after that person is no longer a student at the University. An example of these records would be information collected by the University pertaining to the accomplishments of its alumni.

Section 4. Rights to Inspect and Review Education Records

A student who is enrolled at or has attended Lake Superior State University has the right to inspect and review his/her educational records subject to the limitations set forth in Section 3 and 13.

The educational record recorded by the student will be provided within a reasonable period of time defined by availability of staff time and the records. Records will be provided no more than 45 days after the request is made.

The right to review educational records includes the right to a response from Lake Superior State University to reasonable requests for explanation and interpretations of the subject record.

Section 5. Procedures for Inspection and Review of Records

A written request for the inspection is required for review of educational records or release of records, where permitted, to third parties. See Section 10A for release of records to third parties. The request must be submitted to the appropriate officer. See Section 7 for list of officials maintaining educational records.

The written request under this section must contain:

1. A description of the information requested,
2. The date, if any, that the information is required,
3. The student's signature, and

4. The date the request is filed.

Section 6. Copies of Records: Fees for Copies

Copies of educational records will be provided under the Act under the following conditions:

1. Where failure to provide a copy would effectively prevent a student from exercising the right to inspect and review the educational record. (Examples of when this provision would be effective would be absence from the state or a confining illness.) If the student will return to the residence occupied while attending the University or be within 30 miles of campus and is not physically incapacitated during the 45-day compliance period, copies shall not be provided but the right of inspection may be exercised. Under this provision, a written request is required (see Section 10A) specifying the record to be disclosed and the reason that a personal inspection of the record cannot be made during the 45-day compliance period. Requests are reviewed on a case-by-case basis to determine if copies are required as opposed to personal inspection.
2. On request, under the provisions of Section 10B regarding records to officials of another educational institution in which the student is enrolled or seeks or intends to enroll.
3. On request, or with the consent of the student, under the provisions of Section 10A, regarding information released with the approval of the University to third parties. The University shall not charge a fee for copies of records provided under the Act. There is not a charge for search, retrieval or inspection of the record. Copies of records provided under these provisions do not carry the University seal or official signature of approval.

Section 7. Listing of Location of Education Records

The following is a list of the records considered educational in nature under the Act and their locations listed by Office, Type of Record, Responsible Official, and Location.

- Admissions; Academic file, Financial; Director of Admissions; Hillside House
- Career Advising and Placement; Academic, Personal, evaluations; Director; Library
- Continuing Education; Academic; Director; Library
- Human Resources; Work Evaluation, Employment; Director; Administration Building
- Financial Aid; Financial, Academic, Personal evaluation, Employment; Director; Fletcher Center
- Graduate Office; Academic, Financial; Coordinator; Crawford Hall
- Registrar's Office; Academic (complete and official academic record), Personal, Veterans Affairs; Registrar; Fletcher Center
- Residence Halls; Personal; Housing Manager; Cisler Center
- Residence Halls and Student Life; Discipline; Director for Student Programs and Services; Cisler Center
- Student Accounts; Financial; Director Business Operation; Fletcher Center

- Academic Areas, Academic; School/Department Chairs.

Note: All academic records are partial records with the exception of the Registrar's Office as noted above.

Section 8. Disclosure of Restricted Information to University Officials

Personally identifiable information from the education records of a student may be disclosed without the prior consent of the student to University officials who have a legitimate educational interest in the information. The University officials must demonstrate a need to obtain the information consistent with their official functions and the request must be consistent with normal professional practices and legal requirements.

The disclosure of personally identifiable student information under the above conditions will not be disclosed to any other party without the prior written consent of the student, except that such information may be used by the appropriate officials or agents of the University for the purpose for which the disclosure was made.

Section 9. University Officials

For the purpose of these procedures and policies, University officials are those individuals who have demonstrated a need for access to student records consistent with official University responsibilities and professional practices.

University officials include: Members of the faculty, professional, executive and administrative staff, including the Public Safety Department, departmental secretaries, student employees who manage student education record information, students properly appointed as members of a hearing panel or screening committee, representatives of the State Auditor General when performing their legally required duties, legal, insurance, or collection representatives of the University when performing their university-related duties requiring student record information concerning a claim or legal matter.

Section 10. Disclosure of Personally Identifiable Information

A. Prior Consent for Disclosure Required

The University shall obtain the written consent of the student before disclosing personally identifiable information from their education records to third parties other than directory information. Consent is not required where the disclosure is to the student.

If the University consents to the release of personally identifiable student information to third parties under this section (10A) at the written request of the student, the University will also provide the student with a copy.

The written consent required under this section (10A) must be signed and dated by the student and shall include:

1. A specification of the record to be disclosed.
2. The purpose of the disclosure.

3. The party or class of parties to whom disclosure may be made.
4. A statement granting consent for the release of the information.

B. Prior Consent for Disclosure Not Required

The University may transfer or disclose the educational records of a student, without prior written consent, on request to the officials of another educational institution in which the student is enrolled or intends to enroll.

The University, upon request, will provide the student with a copy of the transferred educational records.

Information from the educational records of a student may be disclosed, without prior written consent, if the disclosure is:

1. To federal and state authorities as provided by the Act or other legal authority.
2. In connection with financial aid for which a student has applied or received; provided that the information may be disclosed only:
 1. to determine the eligibility for financial aid,
 2. to determine the amount of aid
 3. to determine the conditions that will be imposed regarding financial aid, or
 4. to enforce the terms or conditions of the financial aid.
3. To organizations conducting studies on behalf of educational agencies or institutions for developing, validating, or administering predictive tests, administering student aid programs; and improving instruction; provided that the studies are conducted in a manner which does not permit personal identification of students by persons other than the representatives of the organization. The information must be destroyed when it is no longer needed for the purpose for which the study was conducted.
4. To accrediting organizations in order to carry out their accrediting functions.
5. To comply with a judicial order or lawfully issued subpoena; provided that Lake Superior State University will make a reasonable effort to notify the student of the order or subpoena in advance of compliance.
6. To appropriate parties in an emergency to protect the health or safety of the student or other individuals.

Section 11. Directory Information

Family Educational Rights and Privacy Act permits the disclosure of certain personally identifiable information from the educational record of a student if that information is designated as directory information as defined by the Act.

In order to release such information the University is required to provide public notice of the following:

1. The categories of personally identifiable information designated as directory information.

2. The right of the student to refuse to permit the designation of any or all of the categories with respect to that student.
3. The time which the student must inform the University in writing that such directory information is not to be released.

In compliance with these provisions, the University will announce its intention to release directory information each fall in the annual letter. Written requests to prohibit or restrict the use of directory information should be addressed by the last day of the add/drop period to the Registrar's Office.

The University considers the following as directory information: name, address, telephone number, place of birth, e-mail address, enrollment status (e.g., undergraduate or graduate, full time or part time) major field of study, dates of attendance, degrees, honors and awards received, including scholarships, most recent previous educational agency or institution attended by student, participation in officially recognized activities and sports, and height and weight of members of the athletic teams.

In the event that this list is altered or expanded, these provisions will be amended in accordance with the Act.

Section 12. Record of Disclosures Required to be Maintained

Lake Superior State University shall for each request and disclosure of personally identifiable information from a student's education records maintain a register within that file of the education records which indicates:

1. The parties who have requested or obtained information.
2. The legitimate educational interests the parties have in obtaining the information.

A record is not required for disclosures to a student, disclosures pursuant to the student's written consent when consent is specific to the party or parties, disclosures to University officials as set forth in Section 9, or disclosures of directory information as provided in Section 11.

The record of disclosures may be inspected by: the student, University officials and assistants responsible for the custody of the records, and university officials authorized in Section 9 and persons outside the University as authorized in Section 10 for the purpose of auditing the record keeping procedures of the institution.

Section 13. Limitation on the Right to Inspect and Review Records

The University is not required to permit a student to inspect or review the following records:

1. Financial records and statements of parents or any information contained therein.
2. Confidential letters and statements of recommendation placed in the student record prior to January 1, 1975; provided that such letters and statements were solicited with written assurance of confidentiality or

sent and retained with a documented understanding of confidentiality. The documents must be used only for the purposes specifically intended.

3. Confidential letters and statements of recommendation and statements for which the student has waived the right to inspection as set forth in Section 16 and placed in a student's file after January 1, 1975 respecting:
 1. admission, or
 2. application for employment, or
 3. receipt of an honor or honorary recognition.
4. Those records which are defined not to be education records as set forth in Section 3

If the educational record of a student contains information on more than one student, the requesting student may review or inspect or be informed of only the specified information which pertains to the student making the inquiry.

Section 14. Request to Amend Educational Records

A student who believes information in the student's educational records is inaccurate, misleading or violates the privacy or other rights of the student may request the University amend such records.

The procedures regarding amendment to a student record are:

1. Submission of a written request to amend the record in question to the University office responsible for the content of the record.
2. A written request specifying the information to be amended and the basis for requesting a change in the record.
3. The written request should also suggest the recommended corrective action.
4. The University official responsible for establishing the content of the record in question within 14 calendar days will inform, in writing, the student that the record will be amended or the request is denied. If additional time is required to make a decision, the student will be advised of that period required.
5. Amendments and corrections will be completed within 14 calendar days of the date of notice to the students.
6. If the University official responsible for establishing the content of the educational record denies the request to amend the record, the written notice of this decision will advise the student of the right to a hearing.

Section 15. Right to a Hearing

The Act provides an opportunity for a hearing to challenge the content of a student's educational record to insure that the record does not contain inaccurate or misleading information or violates the privacy or other rights of the

student. This procedure can not be used to challenge grades. The following procedure defines the process after the decision of denial.

Procedure of Hearing

A student desiring a hearing on a denial to amend the record by the official establishing such records must:

1. Submit a written request for a hearing to the hearing officer and the registrar.
2. Designate in the request: the student's name and identification number, date of request, specific information on the record challenged, basis for amending record, summary statement of previous action taken to amend record including names of individuals contacted and from whom communications have been received.

The hearing officer will, within seven calendar days of receipt of the request for hearing, notify the student of the hearing date, time and location. At least 72 hours notice prior to the hearing will be provided to involved parties.

A full and fair opportunity is available to present evidence relevant to the question of whether the record in question is inaccurate, misleading or in violation of the privacy or other rights of the students.

The student may be assisted or represented by any individual and expense including an attorney.

The hearing officer will render a decision on the appeal within seven calendar days of hearing's conclusion. The decision shall be in writing and based solely upon the evidence presented at the hearing. The written decision to the student shall include a summary of the evidence and reasons for the decision.

If, as a result of the hearing, the hearing officer rules the information is inaccurate, misleading or in violation of any of the student's rights, the record in question will be amended within seven calendar days of the decision.

If, as a result of the hearing, the hearing officer determines that the record should not be amended, the student shall be informed of the right to place in the education record a statement commenting upon the information and setting forth the reasons for disagreeing with the University's decision.

Any explanation placed in the record of the student under this provision shall:

1. Be maintained as a part of the record as long as the record or the contested portion thereof is retained by the University, and
2. Be disclosed by the University, along with the contested record to any party receiving such record.

Section 16. Waivers

A student may waive any right under the Act. The waiver shall not be valid unless it is in writing and signed by the student. The University may not require that a student waive any right under the Act. This requirement does not preclude the University from requesting such a waiver.

An applicant for admission or a student in attendance may waive the right to inspect and review confidential letters and statements of recommendation. The waiver applies to letters or statements only if it is in writing and designated by the student and if:

1. The applicant or student is notified of the names of those providing letters or statements.
2. The documents are used only for the purpose intended.
3. The waiver is not required as a condition of admission or receipt of any service or benefit from the University.

A waiver may be revoked, but that action must be in writing and filed with the office in possession of the waiver.

Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by Lake Superior State University to comply with the requirements of FERPA. The name and the address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

Additional Information

Lake Superior State University complies with Section 113 of the Carl D. Perkins Vocational and Technical Education Act and Section 122 of the Workforce Investment Act of 1998. LSSU uses the student's SSN in order to compile required WIA and Perkins Act reports.

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Financial Aid

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Overview

NOTE: Students are automatically considered for Board of Trustees Scholarships upon completing application to LSSU by March 1st for the following fall semester.

Financial Aid Mission Statement

The mission of the Financial Aid Office is to provide accurate and timely financial aid information to students to meet their educational expenses.

Our goal is to offer all students a balanced financial aid package that is competitive and attractive, and best utilizes the resources available.

We strive to assist and educate our students by providing the best service possible so that they can focus on their educational experience.

Financial Aid Office

The LSSU Financial Aid Office staff is available to assist students with the financial aid process. Our experienced staff is available during office hours to respond to financial aid questions and requests. No appointments are necessary. Students are assisted in the office on a walk-in basis or may call (906) 635-2678 to speak with a financial aid representative. The Financial Aid Office email address is finaid@lssu.edu and website is <http://www.lssu.edu/finaid>. The Financial Aid Office is located in the Fletcher Center for Student Services on the campus of Lake Superior State University.

Financial Aid Offer

Financial aid is any money used for students' educational expenses and includes grants, scholarships, loans and student employment. An offer of financial aid in the form of a university scholarship is made when a qualified student is initially admitted to LSSU. Other offers of aid follow the admission and receipt of federal applications or athletic tenders. LSSU participates in federal, state and province aid programs and provides a generous institutional scholarship and grant program. An "Official Offer of Award" letter from the Financial Aid Office is sent after all documents needed to complete a student award are received and reviewed.

Applying for Federal Financial Aid

To apply for most types of aid, students must complete a [Free Application for Federal Student Aid \(FAFSA\)](#). This application must be renewed each academic year for a student to continue receiving financial aid. The priority filing date for the FAFSA is March 1, and students who have completed a FAFSA by this date will be considered first for priority financial aid. Priority aid includes certain federal and state grants, the Perkins Loan and Federal Work Study. **Title IV School Code for LSSU is 002293.**

Scholarship Selection

Scholarship recipients are usually selected based on competitive examinations, scholastic records and/or financial need. The American College Test (ACT) and the College Board SAT test serve as the University's primary tests for scholarship consideration. Test results must be on file by May 1.

Scholarship Requirements

Board of Trustees' Scholarships are determined by a total point value that is based on GPA and ACT/SAT score. A minimum GPA of 3.00 and ACT of 19 is required for automatic review for a scholarship. The recipient of any award must be a full-time student carrying 12 academic hours or more each semester.

Satisfactory Academic Progress (SAP) Requirements for the Retention of Financial Aid at Lake Superior State University

If you are receiving any form of financial aid, you must meet these satisfactory academic progress requirements to retain your aid each semester.

Financial aid regulations require that a student must make satisfactory progress to remain eligible for financial aid. Financial aid programs affected by this policy include Federal Pell Grant, Federal Perkins Loan, Federal Work-Study, Federal Supplemental Educational Opportunity Grant, Federal Direct Loans, Federal PLUS Loans, State of Michigan and Institutional Scholarships, Grants, Loan and Work Programs, and some Rebates and Tuition Waivers.

The **minimum requirements** for all types of financial aid include three standard measures — the cumulative GPA, the number of credits earned each semester, and the pace of completing your degree. In addition, there are some types of aid with more stringent requirements, such as scholarship renewal requirements.

Minimum GPA Standard: Students must maintain a minimum cumulative grade point average (GPA) of 2.0 each semester to remain in good standing.

Credits Earned Standard: Each student's progress in total overall credits attempted and earned will be reviewed every semester. Students must earn 67% of the total number of credits attempted to maintain eligibility for aid.

Overall Att. Credits	Must Earn 67%	Attempted Credits	Must Earn 67%	Attempted Credits	Must Earn 67%
175	118	20-21	14	11-12	8
150	101	19	13	10	7
100	67	17-18	12	8-9	6
75	51	16	11	7	5
50	34	14-15	10	5-6	4
25	17	13	9	4	3
				1-3	all

Each semester the total number of credits attempted and earned will be evaluated, including remedial coursework. All prior LSSU credits will be used to determine if the student has earned at least 67% of their total credits attempted. For example, if a student attempts 16 credits for fall and 16 credits for spring semester, the student must earn 22 credits to meet the 67% completion requirement. ($16 + 16 = 32 \times 67\% = 21.44$ credits or 22.)

NOTE: Transfer credits that have been evaluated and accepted for credit at LSSU will be added to both the credits attempted and earned cumulative totals, however, transfer students must also earn 67% of their LSSU credits each semester to maintain good standing. Consortium students must earn 67% of the combined total credits each semester (credits at both LSSU & the community college) to maintain good standing at LSSU.

Maximum Time Frame – 150% of Length of Program: A student must complete the highest degree being sought within 150% of the published length of his/her program. For example, students working on a baccalaureate program of 124 credits may receive aid for 186 attempted credits, *including transfer attempted credits:*

Degree	Average Credits Needed	Maximum Time Frame
Paramedic Certificate	40	Within 60 attempted credits
LPN Certificate	47	Within 71 attempted credits
Pre-Nursing BSN	56	Within 84 attempted credits
Associate	62	Within 93 attempted credits
Associate Health Care Provider	75	Within 113 attempted credits
Bachelor	124	Within 186 attempted credits
Teaching Certificate	136	Within 204 attempted credits
Master's	32	Within 48 attempted credits

One WARNING SEMESTER

If a student does not meet the Financial Aid Satisfactory Academic Progress (SAP) at the end of each semester, the student will be given one warning semester. Students may receive aid during the warning semester. If a student fails to meet the standard for the second consecutive semester enrolled, the financial aid **will be suspended**. During the **WARNING SEMESTER**, it is *highly recommended that students plan ahead and work with an advisor to correct deficiencies.*

Financial Aid Suspension

No aid will be granted once a student’s eligibility is suspended, including but not limited to federal, state and institutional aid.

Right to Appeal

A student whose aid is suspended may request reinstatement through the Financial Aid Appeals Committee. The student must effectively demonstrate that the failure to meet SAP was due to an unusual or extenuating circumstance, and explain what has changed. The directions and required forms for the appeal process are available online at www.lssu.edu/finaid/pdfs/appealprocess.pdf

Financial Aid Self-Reinstatement

Once financial aid is suspended, both the cumulative GPA and credit hour completion standards must be met in subsequent semesters of at least six credits before reinstatement of aid is possible. Students who successfully complete a minimum of six credits at LSSU while not receiving financial aid must contact the Financial Aid Office to request a review for reinstatement.

If completion of “I” grades or other record changes warrant a reinstatement, a copy of the transcript must be submitted to the Financial Aid Office with a written request for a review.

Repeat Policy for Financial Aid Recipients

Students may use financial aid to repeat coursework that has been previously failed. Students may also use financial aid one time when repeating coursework to improve an earned letter grade of D- or higher. For example, a student taking a course for the first time who received an F grade could have financial aid to repeat the course. If the student received a D grade for the repeated course, the student *could* have financial aid one more time to repeat the course to raise the grade. Students advised to retake passed courses more than once to improve their GPA may do so at their own expense, provided the repeats are allowed by the department. Note: Satisfactory Academic Progress Policy is in compliance with the Department of Education Final Regulations published Oct. 29, 2010 - 34CFR 668.16(e), 668.32(f) & 668.34.

LSSU Scholarship Renewal Requirements

Congratulations on receiving a Lake Superior State University scholarship. If your scholarship was offered to you as a “renewable” award, it is important that you have met the criteria listed below each spring when your eligibility is reviewed for the next year.

General renewal requirements include:

1. **You must earn a minimum of 24 LSSU credits each academic year** while receiving a scholarship, unless otherwise noted in your award, and the minimum cumulative GPA as required by the award.
2. You must maintain enrollment each semester (fall & spring) as a continuous full- time LSSU student. Enrollment for summer semester is not included.
3. If you withdraw or leave LSSU for any reason, your scholarship will automatically terminate. If you plan to leave for a study abroad program, internship or health reasons, you may write an appeal to have your scholarship postponed until you return.
4. To receive the room and board component of any scholarship, you must be in the on-campus room and board program for the semester. If you leave on-campus housing, the room and board award will be terminated. If you return to campus housing (you must be on the room and board plan for the full semester), you can request reinstatement of the room and board component prior to the beginning of the semester you return.
5. Most scholarships offered to freshmen are renewable for up to four years. Students in their teaching internship semester may be eligible to receive a 9th semester renewal.
6. Changing majors does not affect the Board of Trustees’ Scholarships, but may affect departmental awards that require enrollment in certain majors.
7. **Scholarships are not reinstated on appeal**, except for students who have left school for reasons stated in #3.
8. The scholarship renewal policy is separate from the University’s Academic Standards and Satisfactory Progress Standards for the retention of other forms of financial aid.

9. If you do not meet renewal requirements when your eligibility is reviewed each year, but raise your LSSU cumulative GPA or credits earned to the minimum requirements prior to the start of the next semester, you must notify the Financial Aid Office in writing that your student record has been updated with new information warranting a review.
10. LSSU Regional Center students may reactivate a Board of Trustees renewable scholarship by notifying the Financial Aid Office prior to semesters of full-time attendance in LSSU courses, provided that GPA requirements are met.

Note: Some types of financial aid awards, such as an employee rebate, the Native American Tuition Waiver, or the Tuition Incentive Program, could affect your eligibility for an LSSU scholarship. Please contact the Financial Aid Office for further details.

In addition to earning the minimum number of credits (24) required each year, scholarship winners must meet the following minimum cumulative GPA requirements to maintain their awards:

Board of Trustees Distinguished Scholarship & LSSU Partial to Full Tuition Scholarships (>\$5000 per year):

3.00 or better cumulative gpa after 2 semesters of study

3.10 or better cumulative gpa after 4 semesters of study

3.20 or better cumulative gpa after 6 semesters of study

Board of Trustees Academic Excellence Scholarship, Board of Trustees Recognition Scholarship, Board of Trustees Transfer Scholarships, LSSU Foundation Scholarships*:

2.50 or better cumulative gpa after 2 semesters of study

2.60 or better cumulative gpa after 4 semesters of study

2.70 or better cumulative gpa after 6 semesters of study

* Includes most other renewable institutional scholarships with a value less than \$5000 per year, unless otherwise stated in criteria.

Note: Transfer credits are included when determining "semesters of study."

Frequently Asked Questions

Full tuition scholarships are limited to 12-17 credits per semester for the academic year and do NOT include any special course fees, program fees, media fees, etc.

Full tuition scholarships can not be combined with tuition waivers, such as Michigan Indian Tuition Waiver or Employee Rebates.

Recipients of donor-funded scholarships are encouraged to write thank you letters to the donors and may be invited to special donor events.

Departmental scholarship recipients must notify the Financial Aid Office if changing their major course of study to determine the effect on their award!

New Scholarships for Current Students

Renewable scholarships are based on your grade level and number of credits transferred or earned at the time of your award. For example, if you are offered a renewable scholarship as a sophomore, you will generally be eligible for two additional years of scholarship. If an ending date is not stated in your offer of scholarship, please contact the Financial Aid Office if you have questions about the renewal features of your award. Except for students in their fifth year of the teaching program, scholarships are generally not available to students with more than four years of higher education or eight semesters of study or more than 124 attempted credits.

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Admissions

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Freshmen

A freshman student is defined as a student who has not enrolled in a postsecondary institution anytime after the summer following high school graduation.

You may apply to Lake Superior State University anytime during your final year of high school. The best time to apply is early in your senior year. Applications are processed continuously. When all necessary materials have arrived you will be notified of a decision as soon as possible. To complete your admission file you must submit an

official high school transcript, application fee, and ACT scores (if you graduated from high school within 26 months of entering LSSU). Although ACT scores are preferred, we will also accept SAT scores.

The primary factors used to determine admission are cumulative grade point average (GPA), high school course curriculum, and ACT or SAT results. LSSU recommends that students follow a college preparatory curriculum mirroring the Michigan Merit Curriculum. The middle 50 percent of our entering freshmen class typically have high school GPAs ranging from 2.9 to 3.6 and ACT scores ranging from 22-25. Students should feel free to submit any additional materials which may aid the Admissions Office in reviewing unusual circumstances which may have impacted high school performance. ACT or SAT scores will not be used in the admissions process if you graduated from high school two or more years ago.

Your admission will be contingent upon satisfactory completion of current coursework and receipt of a final high school transcript with verification of graduation from an accredited school or passing on the GED. To be considered official, all transcripts and test score reports must be mailed from your high school guidance office or testing agency directly to Lake Superior State University. Transcripts delivered via approved platforms such as "Parchment" will also be considered official. Please contact the Admissions Office for information regarding approved current electronic delivery methods.

LSSU assigns each student an individual student identification number. Your student number will be provided to you when you are admitted. While we do not use social security numbers as your student identification, we do use it to match your application record with your other permanent records. Financial aid applications will not be processed without your social security number. Social security numbers should be included on your application for admission. Canadian and international student applicants should not use their social insurance number. LSSU will use your assigned student identification number.

Students denied regular admission may reapply after attending another accredited college and earning at least 19 semester (29 quarter) hours of transferable credit. Evaluation is then based upon the college record.

Home Schooled Students

Lake Superior State University does not have separate requirements for home schooled applicants. Like all applicants, home schooled students will need to provide a transcript of their high school coursework as well as ACT or SAT scores. Admission will be determined on the basis of your high school grade point average, coursework completed, and ACT or SAT scores.

ACT

The ACT is offered nationally five times a year at many locations including our campus. Registration forms are available in high school counseling offices, the LSSU Testing Services at 906-635- 2027 or at www.actstudent.org.

United States residents applying for academic scholarships must have their ACT scores sent prior to the March 1 scholarship deadline.

Transfer Students

A transfer student is defined as a student who enrolls in a postsecondary institution anytime after the summer following high school graduation.

Transfer students must possess a 2.0 cumulative college GPA and be eligible to return to your former college(s). If you have completed fewer than 19 semester (29 quarter) hours of credit, you must also send an official high school transcript or GED scores in addition to your college transcript (and ACT scores if you graduated from high school within 26 months of the semester of entry).

Contact the college's Registrar's Office or high school guidance office to have an official transcript mailed to our Admissions Office. Transcripts sent via facsimile or hand delivered are not considered official. All transcripts become the property of Lake Superior State University and are not returnable.

Your complete application should be submitted at least 30 days prior to the semester of entry. Transfer students denied admission may reapply after taking additional courses that raise their overall GPA to above a 2.0.

Transfer Credit Evaluations

Official evaluation of transfer credit is made upon acceptance to LSSU. The Admissions Office will help you with an unofficial transcript review at your request.

If a course taken at another institution is not offered at LSSU, elective credit may be granted for that course. Elective credits may be applied toward degree requirements but may not be used to satisfy any specific course requirement.

Courses with grades less than C- will not transfer. A grade of C or higher may be required for some programs.

The Admissions Office completes transfer credit evaluations based on equivalencies determined by the faculty. The decision on courses and transfer credit granted may be appealed first to the academic dean and then to the provost.

Provisional Credit

Credit earned at an institution not listed in the American Council of Education's publication, Accredited Institutions of Post-Secondary Education is granted provisionally. You must complete at least 15 semester hours of credit with a cumulative GPA of 2.00 at LSSU before provisional credits will become part of your permanent record.

Michigan Transfer Agreement (MTA)

In order to satisfy the MTA, students must successfully complete at least 30 credits from an approved list of courses at a sending institution with at least a grade of 2.00 in each course. These credits, which will be certified by a sending institution, should be completed according to the following distributions:

- One course in English Composition
- A second course in English Composition or one course in Communication
- One course in Mathematics
- Two courses in Social Sciences (from two disciplines)
- Two courses in Humanities and Fine Arts (from two disciplines excluding studio and performance classes)
- Two courses in Natural Sciences including at least one with laboratory experience (from two disciplines)

Students admitted to Lake Superior State University who have the MTA stamp on their transcript are recognized as having completed the general education requirements at Lake Superior State University.

Students who do not complete the entire block of courses required by the MTA will receive credit for the courses they do complete on the basis of individual course evaluation and established transfer equivalencies.

It is important to note that the MTA is not the best fit for all programs. There are many programs in Michigan for which the MTA is not a good fit. Students are encouraged to work with their advisors at their destination institution (LSSU) in order to select a path that is best for them.

LSSU-Wisconsin Bridge Agreement

Students transferring from the University of Wisconsin Colleges with an Associate of Arts & Science degree are recognized as having completed the general education requirements at Lake Superior State University.

MACRAO Transfer Agreement

Michigan community college students admitted to Lake Superior State University who have the MACRAO stamp on their transcript are recognized as having completed the general education requirements at Lake Superior State University.

Sault College Transfer Agreement

Sault College of Applied Arts and Technology students admitted to Lake Superior State University who have the GECERT stamp (liberal studies degree) on their transcript are recognized as having completed the general education requirements at Lake Superior State University.

Residency Requirement

There is no limit to the number of transfer credits allowed from other institutions but students are required to complete LSSU's [Residency Requirements](#).

Early Admission Policy

Students under the age of 18 that apply for early admission to LSSU who do not possess a high school diploma or GED will be counseled on an individual basis by a member of the Admissions staff.

Former Students

Former Lake Superior State University students who miss one or more semesters (not including summer) must submit an Application for Readmission prior to the semester of re-entry. There is no application fee. If you have attended another college during the period of absence, you must submit official transcripts and meet our transfer student admissions requirements. Those students who were academically dismissed must meet the requirements for re-enrollment as defined by the Scholastic Standards Committee.

Guest Students

Students enrolled at another college or university may be admitted to LSSU for one semester as a guest student. An extension of one additional semester may be granted for extenuating circumstances. If you intend to enroll full time for more than one semester, you must submit an Application for Admission as a transfer student. Guest students assume responsibility for determining if LSSU courses apply to their program at the college from which they intend to graduate.

Ontario Students

Ontario student applicants must satisfy entrance requirements comparable to those of United States students. Please refer to the "Freshmen" and "Transfer" sections of the catalog for details. Ontario students are not required to take the ACT or SAT for admission consideration.

If you have completed grade 13 or OAC courses before September 1990, you will receive transfer credit at the University for each course in which your final mark was at least a 60 percent. Transfer credit is not given for any OAC courses taken after September 1990. However, completion of OAC courses prepares some students to earn credit through testing. See section titled "Credit by Examination".

Admitted Ontario students must provide verification of ability to pay in order to receive a Certificate of Eligibility for Non-Immigrant (F-1) Student Status (Form I-20) required to attend a university in the United States. This is not an admissions requirement for Ontario students; however, an I-20 form is required for you to cross into the U.S. to attend classes. Please refer to "Verification of Ability to Pay" section in the catalog for details.



If you are a Permanent Resident or able to be in the U.S. with another form of documentation, we will need a copy of this documentation for our records.

If you are a Canadian Aboriginal or Native American (excluding METIS) with at least 50% blood quantum and have J-treaty privileges (carry a tribal ID), you are exempt from needing an I-20 form. You must provide our office with a copy of your tribal ID and an official tribal-issued letter showing proof of blood quantum.

Ontario students planning to attend part-time (less than 12 credits) and commute to the University will be issued a new I-20 form each semester upon the verification of the payment of tuition and fees, or after submission of financial information as outlined above.

Ontario students are required to provide a copy of a valid Provincial Health Card (both sides) verifying coverage under a provincial health care program. LSSU highly recommends that students purchase adequate health insurance coverage while in the U.S. Students, however, may request to [waive](#) the purchase of additional health and accident insurance.

International Students (Excluding Ontario Students)

We recommend international students submit all application material by July 15 for the fall semester and November 15 for the spring semester. You will be required to provide official transcripts evaluated by World Evaluation Service (WES) or Education Credential Evaluators (ECE) on a comprehensive course-by-course basis. Websites for WES and ECE are www.wes.org  and www.ece.org . This applies to both first time in college students as well as transfer students. Transfer students who have earned less than 19 semester hours of college credit will also need to provide their high school transcripts.

International applicants must also provide verification of ability to pay, prove English proficiency, and purchase health and accident insurance through the University sponsored program. Please refer to those sections for specific information.

Applicants should not consider themselves admitted to LSSU until they have provided all required documents and have received an official letter of acceptance. Following the letter of acceptance, the I-20 form is sent, as required by the U.S. Immigration and Naturalization Services.


If you are a Permanent Resident or able to be in the U.S. with another form of documentation, we will need a copy of this documentation for our records.

If you are a Canadian Aboriginal or Native American (excluding METIS) with at least 50% blood quantum and have J-treaty privileges (carry a tribal ID), you are exempt from needing an I-20 form. You must provide our office with a copy of your tribal ID and an official tribal-issued letter showing proof of blood quantum. International students are required to purchase a health and accident insurance through the University sponsored program.

Verification of Ability to Pay – Ontario and International Students

The U.S. Immigration and Naturalization Services (INS) requires that LSSU have verification of your ability to pay for tuition/books and expenses before we can issue a Certificate of Eligibility for Non-Immigrant (F-1) Student Status (I-20). This form is required for you to cross the border into the United States.

An acceptable financial document must have been submitted not more than nine (9) months before the term you intend to enroll at LSSU. The document also needs to be current within the last 90 days. Inclusion of false information in the financial statements is grounds for dismissal. Verification may be documented by the following: personal savings or verification of loans or scholarships received, a parent or sponsor, government or sponsoring agency, or by LSSU anticipated support.

As of September 1, 2004, the U.S. Department of Homeland Security (DHS) has implemented a rule requiring F-1 visa applicants to pay a one-time fee to supplement the administration and maintenance costs of the Student and Exchange Information System (SEVIS). Because we will be issuing you an initial I-20 form, you will be required to pay this SEVIS fee. Information about payment of the fee and the processing of your I-20 form upon entry to the U.S. will be provided to you with your initial I-20 form. You may also check our website for additional information: www.lssu.edu/admissions/international .

Proof of English Proficiency

Proof of English proficiency is required for admission to LSSU as an international student. English proficiency can be proven in several ways:

1. Score 500 or above on the paper-based Test of English as a Foreign Language (TOEFL) or a score of 61 on the internet-based TOEFL. Please use institutional code 1421 to report scores directly to LSSU. More information on TOEFL may be found at www.toefl.org or 609-771-7100.
2. Score of 72 on the Michigan English Language Assessment Battery (MELAB). Write: English Language Institute, MELAB Testing, 3020 North University Building, University of Michigan, Ann Arbor, Michigan 48109-1057, U.S.A.
3. Completion of Level 112 at any ELS Language Center located in the U.S. More information can be found at: www.studyUSA.com or at www.els.com, 1-609-750-3500 or info@els.com.
4. APIEL - Advanced Placement English Language Test with a score of 3 or higher.
5. SAT/ACT critical reading score of 480 or higher, minimum overall score of 965 or higher, ACT equivalent is 20.
6. Completion of two (2) years of study at a school, college or university located in an English-speaking country.
7. IELTS - International English Language Testing System with a score of 6.0 or higher.

Undocumented Students

Students who are undocumented are considered domestic students, not international students for admissions consideration. They must meet our regular admission requirements. Undocumented students residing in North America will be classified as residents for tuition assessment. Undocumented students are not eligible for financial aid or scholarships.

Part-time Enrollment

You may enroll as a part-time student and take up to 11 credits per semester in courses for which you have sufficient academic background. United States students attending part-time who are not seeking financial aid or a degree or certificate do not have to formally apply for admission.

Canadian (commuter) students wishing to attend part-time must apply for admission and be accepted into a degree program. Note that all other international students must maintain full-time enrollment (12+ credits) to maintain F-1 status.

As a non-admitted part-time student, you are not assigned a faculty advisor. You are encouraged to seek assistance in selecting courses from the appropriate academic departments.

Current high school students should refer to the section regarding dual enrollment.

Career and Technical Education

Lake Superior State University recognizes the excellent academic achievement of students completed through the Career and Technical Education programs throughout the state by awarding university credit for this work completed while in high school. Through this partnership students are able to begin their university studies by completing their CTE curriculum. Lake Superior State University is a proud partner with the Michigan Department of Education, Michigan High Schools, and Michigan Career and Technical Education Centers in providing direct pathways for students to continue their education after high school. Through [coordinated Articulation Agreements](#), LSSU assists students to realize a seamless and systematic transition, maximizing the use of resources and minimizing duplication of content as they move from their secondary to their postsecondary educational experience.

Dual Enrollment for High School Students

Effective July 2012, State law now allows qualifying 9th and 10th grade students (in addition to 11th and 12th grades) to attend as dual enrolled students in a postsecondary institution. To be eligible, students must be enrolled in at least one (1) high school class in a school district. A student must receive a qualifying score in each subject area on a reading assessment or the Michigan merit exam (MME) in order to be eligible to take all eligible courses; otherwise, he/she can only take courses in the area for which a qualifying score was achieved. If no qualifying

score was achieved, the student is limited to a course in computer science, or foreign language, or a course in fine arts as permitted by the school district. Students must also meet any course prerequisite requirements. Students must be in Good Standing (cumulative gpa of 2.000 or higher) at LSSU to be eligible for continued enrollment. Students on probation are limited to course repeats, if available. Eligible students are limited to no more than ten (10) courses overall if the school district covers the cost; this limit does not apply if the student is covering costs.

Registration will be coordinated by the Admissions Office in conjunction with the Registrar's Office, once a student has completed the required form and has been approved as a dual enrollee. Students may pick up the Dual Enrollment Form from their high school guidance office, the LSSU Admissions Office, or at www.lssu.edu/admissions/dualenrollment/. Attendance as a high school dual enrollee does not constitute admission to a degree program. LSSU encourages students to apply for admission early in their senior year for a major of their choice.

Placement Testing (COMPASS)

LSSU will use ACT and/or SAT to place students in courses required for their degree and matched to their level of academic preparation. Occasionally, these test scores do not reflect a student's true preparedness or, depending on their admission status, ACT or SAT scores may not have been required. In that case, students will take English, reading, and math placement tests to determine which courses they should schedule. [The table](#) shows the relationship between ACT/SAT scores and LSSU English or math courses.

Students with high ACT or placement scores are invited to enroll in honors English. High scores in mathematics will also allow students to enroll in higher-level math courses.

Students with low scores in English, reading and mathematics will be required to take preparatory coursework that do not count towards degree requirements.

Transfer students without appropriate course work in English and mathematics (see degree requirements) are also required to take placement tests. Transfer students may meet placement requirements by their ACT scores if they submit ACT scores to LSSU.

Credit by Examination

You may earn university credit by examination. The University grants credit from Advanced Placement, International Baccalaureate (IB), College Level Examination Program (CLEP) and departmental exams. If you are already attending Lake State, you may earn credit through both CLEP and departmental exams.

You must meet the following criteria before credit by examination will be entered on your transcript:

1. be an admitted full-time student, and

2. be enrolled at Lake Superior State University.

Advanced Placement Program (AP)

Advanced Placement Exams are administered at high schools each May. LSSU grants credit in select AP exams passed with a score of three or higher. If an essay is part of an individual exam, it must be submitted to University Testing Services for evaluation. To receive credit, the essay must be satisfactory and you must have a minimum score of three on the test. Credit for AP is granted as shown on the [table](#).

International Baccalaureate (IB)

Lake Superior State University offers college credit for students who complete IB coursework with strong results. LSSU will grant credit only for Higher Level exams and scores of 5 or above. Credit for IB is granted as shown on the [table](#).

College Level Examination Program (CLEP)

You may take CLEP exams at a computer testing center, including Lake Superior State University's Testing Services. LSSU offers CLEP exams every month except December. Credit for CLEP is granted as shown on the [table](#).

You may receive credit toward specified courses that meet general education requirements.

CLEP general and subject examination credit may not be used to repeat courses previously taken unless permission is granted from the academic department offering the course.

Grades for general examinations are recorded as credit without grade points.

Credit may be earned for individual courses by passing CLEP subject examinations.

Dantes ACE Credit

LSSU is proud to accept your credit for prior military experiences. Once we receive an official transcript, your transcripts (including military training) will be evaluated and credit will be granted based on American Council on Education (ACE) recommendations. If your Dante's equivalence is not listed, contact the Registrar's Office for further review. Credit is granted as shown on the [table](#).

Departmental Exams

Departments may provide their own examinations for certain courses. You must have the written approval of the appropriate School Chair to take the examination. An application form for credit by exam can be found online and in Anchor Access. There is a fee charged per credit hour. An examination grade of 2.00 or better is required for credit to be earned. Credit earned by exam is recorded as transfer credit on the student's transcript. Some universities may not accept transfer credit earned by departmental exam.

Health Record

Everyone entering Lake Superior State University for the first time should complete an Immunization Record and Health History Questionnaire. The form is mailed to admitted students. These questionnaires are not considered for admission to the University. The information helps the University's Health Care Center better serve your needs.

Note: Information in the admissions section of the catalog is for information only and not part of an enrollment contract.

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Section: Academic Administration

Section Number: 2.3.2

Subject: Continuing Education - Non-Credit Activities

Date of Present Issue: 08/03/01

Date of Previous Issues:
06/88

<http://www.lssu.edu/procedures/2-3-2.php>

POLICY:

Non-Credit programs are run on a self-supporting basis and are funded by revenue from registration fees. Programs typically include EDventures (community enrichment), Elderhostel, Lake Superior Elders (LSE), CENA Regional Testing Service (Nurse Aid Testing for State Certification), contract training and professional development, and three Day Care Centers located at McKinley, Washington, and Soo Township Elementary Schools. Programs are updated and developed to meet the changing needs of the community and today's society.

The non-credit accounts are established as designated funds with revenues and expenses allocated to these accounts. The non-credit programs are coordinated under the direction of the Director of Continuing Education.

PROCEDURE

The Continuing Education Office will do the following:

1. Determine courses and activities to be offered, set the schedule, determine the course content, hire the instructors, and develop and implement the advertising campaign following CE's strategic marketing plan.
2. Design and print brochures, and other marketing and promotion materials.
3. Determine fees for participants, prepare the budget and determine breakeven point for each course. Make decisions for canceling courses or running programs at a loss.
4. Register participants and collect and deposit fees.

Policy for Awarding Credit

LSSU utilizes the Federal Definition of a Credit Hour.

Federal Credit Hour Definition: A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than:

(1) one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or

(2) at least an equivalent amount of work as required in paragraph (1) of this definition for other activities as established by an institution, including laboratory work, internships, practica, studio work, and other academic work leading toward the award of credit hours.

LSSU uses two formats for denoting the expectations placed on the student and the credits awarded for all courses it offers. In general, it is assumed that students will spend approximately three hour of work, per week, for 15 weeks for every credit awarded. Using fictitious courses (FICT100 and FICT400), the two formats utilized at LSSU are:

Format 1 - Typical Lecture/Lab Courses:

➤ FICT100 Works of Fiction (lecture hours, lab hours, recitation hours) - # credits

Example: FICT100 Works of Fiction (2, 3, 1) - 4 credits

Example: FICT100 Works of Fiction (2, 3) - 3 credits

Lecture Hours:

The lecture hours represent the amount of time an instructor spends directly with the student on a weekly basis. For online courses, this may be the amount of time the student spends reviewing material prepared by the instructor. In either case the student is expected to spend another two hours per week for every lecture hour denoted. Every hour of lecture translates into an equivalent number of credits.

Laboratory Hours:

Laboratory is a faculty-led experiential learning activity. Lab hours denote the time a student will spend in a faculty led experiential learning setting. The use of formal laboratory settings and/or field work are typical examples of lab hours. For online courses, the lab hours are determined by the amount of time the student would spend to conduct specific faculty directed activities. Travel to and from distant locations are not part of lab time. Any credits not accounted for by the lecture and/or recitation component(s) of the course are assigned to the lab. Laboratory is credit bearing and load generating.

Note: A three hour lab, assigned one credit, could be completed within the weekly assigned lab time. A two hour lab, assigned one credit, would require additional work on the part of the student to complete the assignments. The HLC expects the amount of credit awarded should

be in keeping with the learning outcomes and that evidence of student achievement can be documented.

Recitation Hours:

Recitation is a presentation by a qualified instructor or adjunct, under the guidance of the course instructor of record, which reinforces and applies course content in problem solving and other activities similar to those assigned to students. Recitation is credit bearing and load generating.

Format 1 Summary:

Lecture and Lab activities are awarded credit and that credit must comply with the Federal Definition of a Credit Hour (three hours of work for every credit awarded). Recitation sessions are optional, but exist to enhance the learning experience. Lecture, lab, or recitation hours may be zero. In cases where no recitation exists, that field may be left blank.

Format 2 - Internship/Practica/Co-op Courses:

- FICT400 Internship in Fiction - # credits
Example: FICT400 Internship in Fiction - 6 credits

Some courses are denoted with no lecture, lab, or recitation times; only the course credit is shown. These courses are generally internships, practica, or cooperative education course. Students receive credit for practical, degree-related experience gained off-campus. Students are expected to spend an average of at least three hours per week, for fifteen weeks for every credit awarded. Additional departmental requirements may also be denoted in the course description.

Note:

Student-Led Tutoring:

Student-led tutoring, such as Supplemental Instruction or Structured Learning Activities, provides peer-support to reinforce, expand and strengthen understanding of course content. Credit is not awarded for student-led tutoring, tutoring activities do not contribute to calculation of course grade, participation **cannot** be required, and no faculty load is generated from student-led tutoring.



Supplement B1
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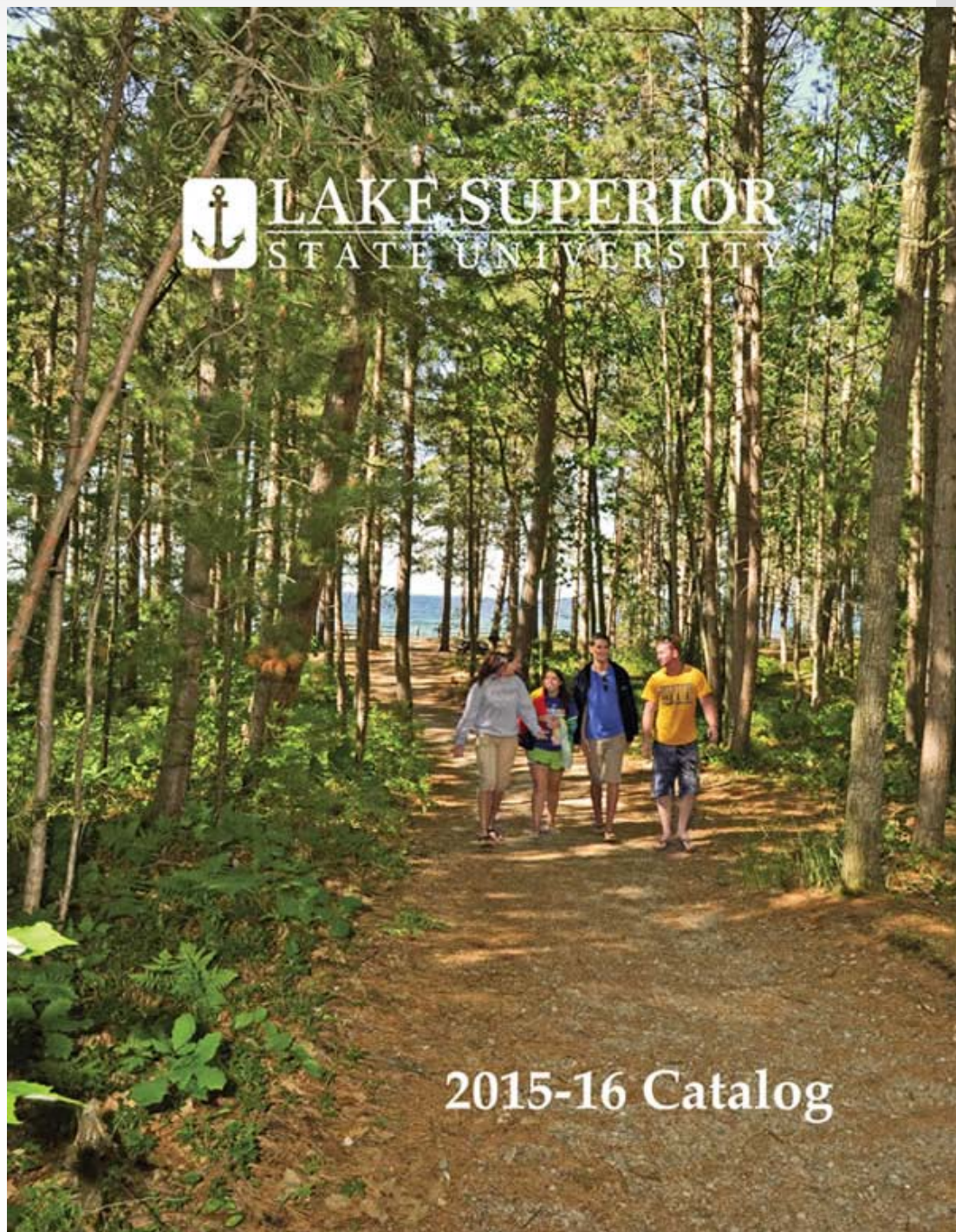
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Welcome to Lake Superior State University's electronic catalog.


This catalog includes general information about Lake Superior State University and its academic programs, including degree requirements for bachelors, associates and certificates. Course descriptions are available, as well as program information for each major and minor. It is recommended that if you have questions about your program, you speak to your academic advisor.



Use the links on the left to navigate the site.

Apply Online at: <http://www.lssu.edu/admissions/applying.php> 

External Links: Throughout this catalog the icon  is used to identify links which leave this catalog.

Printing: At the top right of each web page is a printer icon . Click on this icon to print the current catalog page.

Disclaimer

The University makes every effort to ensure the Catalog is current at the time of publication and that it contains relevant policies, procedures, degree requirements and other information of importance to its constituents. Because the institution is dynamic, the LSSU Catalog is for informational purposes and does not constitute a contract between the University and its students on either a collective or individual basis. Changes sometimes occur after the Catalog has been published. Please contact the appropriate office for the most up-to-date information.

It is the policy of Lake Superior State University that no person shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in employment, or in any program or activity for which the University is responsible on the basis of race, color, national origin or ancestry, gender, age, disability, religion, height, weight, sexual preference, marital status or veteran status.

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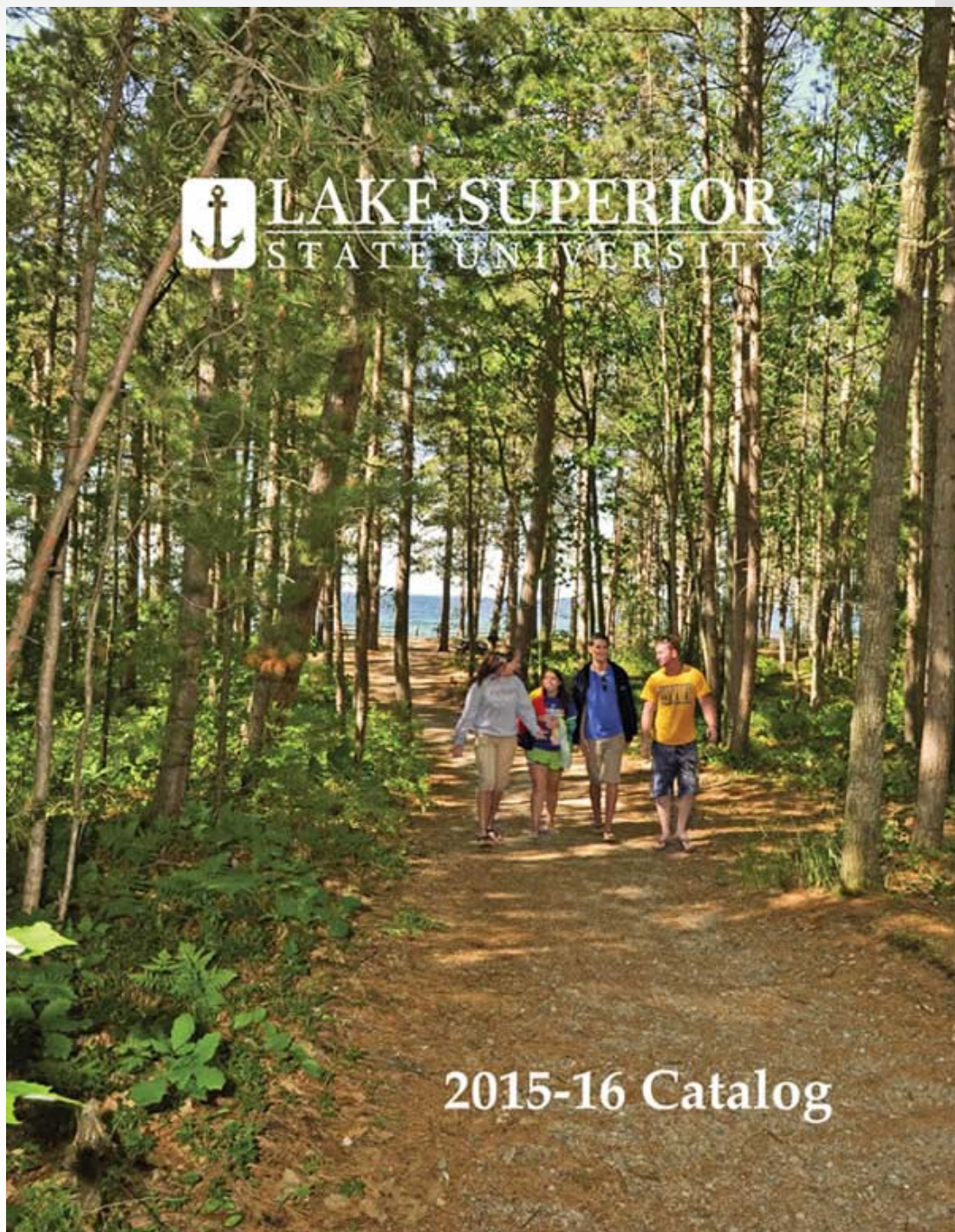
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Lake Superior State University in Sault Ste. Marie Michigan, is a publicly funded state university operated under the control of a Governor-appointed Board of Trustees.

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Freshmen

A freshman student is defined as a student who has not enrolled in a postsecondary institution anytime after the summer following high school graduation.

You may apply to Lake Superior State University anytime during your final year of high school. The best time to apply is early in your senior year. Applications are processed continuously. When all necessary materials have arrived you will be notified of a decision as soon as possible. To complete your admission file you must submit an official high school transcript, application fee, and ACT scores (if you graduated from high school within 26 months of entering LSSU). Although ACT scores are preferred, we will also accept SAT scores.

The primary factors used to determine admission are cumulative grade point average (GPA), high school course curriculum, and ACT or SAT results. LSSU recommends that students follow a college preparatory curriculum mirroring the Michigan Merit Curriculum. The middle 50 percent of our entering freshmen class typically have high school GPAs ranging from 2.9 to 3.6 and ACT scores ranging from 22-25. Students should feel free to submit any additional materials which may aid the Admissions Office in reviewing unusual circumstances which may have impacted high school performance. ACT or SAT scores will not be used in the admissions process if you graduated from high school two or more years ago.

Your admission will be contingent upon satisfactory completion of current coursework and receipt of a final high school transcript with verification of graduation from an accredited school or passing on the GED. To be considered official, all transcripts and test score reports must be mailed from your high school guidance office or testing agency directly to Lake Superior State University. Transcripts delivered via approved platforms such as "Parchment" will also be considered official. Please contact the Admissions Office for information regarding approved current electronic delivery methods.

LSSU assigns each student an individual student identification number. Your student number will be provided to you when you are admitted. While we do not use social security numbers as your student identification, we do use it to match your application record with your other permanent records. Financial aid applications will not be processed without your social security number. Social security numbers should be included on your application for admission. Canadian and international student applicants should not use their social insurance number. LSSU will use your assigned student identification number.

Students denied regular admission may reapply after attending another accredited college and earning at least 19 semester (29 quarter) hours of transferable credit. Evaluation is then based upon the college record.

Home Schooled Students

Lake Superior State University does not have separate requirements for home schooled applicants. Like all applicants, home schooled students will need to provide a transcript of their high school coursework as well as ACT or SAT scores. Admission will be determined on the basis of your high school grade point average, coursework completed, and ACT or SAT scores.

ACT

The ACT is offered nationally five times a year at many locations including our campus. Registration forms are available in high school counseling offices, the LSSU Testing Services at 906-635- 2027 or at www.actstudent.org.

United States residents applying for academic scholarships must have their ACT scores sent prior to the March 1 scholarship deadline.

Transfer Students

A transfer student is defined as a student who enrolls in a postsecondary institution anytime after the summer following high school graduation.

Transfer students must possess a 2.0 cumulative college GPA and be eligible to return to your former college(s). If you have completed fewer than 19 semester (29 quarter) hours of credit, you must also send an official high school transcript or GED scores in addition to your college transcript (and ACT scores if you graduated from high school within 26 months of the semester of entry).

Contact the college's Registrar's Office or high school guidance office to have an official transcript mailed to our Admissions Office. Transcripts sent via facsimile or hand delivered are not considered official. All transcripts become the property of Lake Superior State University and are not returnable.

Your complete application should be submitted at least 30 days prior to the semester of entry. Transfer students denied admission may reapply after taking additional courses that raise their overall GPA to above a 2.0.

Credit Evaluations

Official evaluation of transfer credit is made upon acceptance to LSSU. The Admissions Office will help you with an unofficial transcript review at your request.

If a course taken at another institution is not offered at LSSU, elective credit may be granted for that course. Elective credits may be applied toward degree requirements but may not be used to satisfy any specific course requirement.

Courses with grades less than C- will not transfer. A grade of C or higher may be required for some programs.

The Admissions Office completes transfer credit evaluations based on equivalencies determined by the faculty. The decision on courses and transfer credit granted may be appealed first to the academic dean and then to the provost.

Provisional Credit

Credit earned at an institution not listed in the American Council of Education's publication, Accredited Institutions of Post-Secondary Education is granted

provisionally. You must complete at least 15 semester hours of credit with a cumulative GPA of 2.00 at LSSU before provisional credits will become part of your permanent record.

Michigan Transfer Agreement (MTA)

In order to satisfy the MTA, students must successfully complete at least 30 credits from an approved list of courses at a sending institution with at least a grade of 2.00 in each course. These credits, which will be certified by a sending institution, should be completed according to the following distributions:

- One course in English Composition
- A second course in English Composition or one course in Communication
- One course in Mathematics
- Two courses in Social Sciences (from two disciplines)
- Two courses in Humanities and Fine Arts (from two disciplines excluding studio and performance classes)
- Two courses in Natural Sciences including at least one with laboratory experience (from two disciplines)

Students who complete the MTA and transfer to Lake Superior State University will have met 30 credits of the General Education Core Requirement. Students will still be expected to complete a Cultural Diversity Course (minimum of 3 credits) as well as an additional course in ENGL or COMM to total at least one year of composition and one semester of communication.

Students who do not complete the entire block of courses required by the MTA will receive credit for the courses they do complete on the basis of individual course evaluation and established transfer equivalencies.

It is important to note that the MTA is not the best fit for all programs. There are many programs in Michigan for which the MTA is not a good fit. Students are encouraged to work with their advisors at their destination institution (LSSU) in order to select a path that is best for them.

LSSU-Wisconsin Bridge Agreement

Students transferring from the University of Wisconsin Colleges with an Associate of Arts & Science degree will have met 30 credits of the General Education Core Requirement. Students will still be expected to complete a Cultural Diversity Course (minimum of 3 credits) as well as an additional course in ENGL or COMM to total at least one year of composition and one semester of communication.

MACRAO Transfer Agreement

Michigan community college students admitted to Lake Superior State University who have the MACRAO stamp on their transcript are recognized as having completed the general education requirements at Lake Superior State University.

Sault College Transfer Agreement

Sault College of Applied Arts and Technology students admitted to Lake Superior State University who have the GECERT stamp (liberal studies degree) on their transcript are recognized as having completed the general education requirements at Lake Superior State University.

Residency Requirement

There is no limit to the number of transfer credits allowed from other institutions but students are required to complete LSSU's [Residency Requirements](#).

Early Admission Policy

Students under the age of 18 that apply for early admission to LSSU who do not possess a high school diploma or GED will be counseled on an individual basis by a member of the Admissions staff.

Former Students

Former Lake Superior State University students who miss one or more semesters (not including summer) must submit an Application for Readmission prior to the semester of re-entry. There is no application fee. If you have attended another college during the period of absence, you must submit official transcripts and meet our transfer student admissions requirements. Those students who were academically dismissed must meet the requirements for re-enrollment as defined by the Scholastic Standards Committee.

Guest Students

Students enrolled at another college or university may be admitted to LSSU for one semester as a guest student. An extension of one additional semester may be granted for extenuating circumstances. If you intend to enroll full time for more than one semester, you must submit an Application for Admission as a transfer student. Guest students assume responsibility for determining if LSSU courses apply to their program at the college from which they intend to graduate.

Ontario Students

Ontario student applicants must satisfy entrance requirements comparable to those of United States students. Please refer to the "Freshmen" and "Transfer" sections of the catalog for details. Ontario students are not required to take the ACT or SAT for admission consideration.

If you have completed grade 13 or OAC courses before September 1990, you will receive transfer credit at the University for each course in which your final mark was at least a 60 percent. Transfer credit is not given for any OAC courses taken after September 1990. However, completion of OAC courses prepares some students to earn credit through testing. See section titled "Credit by Examination".

Admitted Ontario students must provide verification of ability to pay in order to receive a Certificate of Eligibility for Non-Immigrant (F-1) Student Status (Form I-20) required to attend a university in the United States. This is not an admissions requirement for Ontario students; however, an I-20 form is required for you to cross into the U.S. to attend classes. Please refer to "Verification of Ability to Pay" section in the catalog for details.

If you are a Permanent Resident or able to be in the U.S. with another form of documentation, we will need a copy of this documentation for our records.



If you are a Canadian Aboriginal or Native American (excluding METIS) with at least 50% blood quantum and have J-treaty privileges (carry a tribal ID), you are exempt from needing an I-20 form. You must provide our office with a copy of your tribal ID and an official tribal-issued letter showing proof of blood quantum.

Ontario students planning to attend part-time (less than 12 credits) and commute to the University will be issued a new I-20 form each semester upon the verification of the payment of tuition and fees, or after submission of financial information as outlined above.

Ontario students are required to provide a copy of a valid Provincial Health Card (both sides) verifying coverage under a provincial health care program. LSSU highly

recommends that students purchase adequate health insurance coverage while in the U.S. Students, however, may request to [waive](#) the purchase of additional health and accident insurance.

International Students (Excluding Ontario Students)

We recommend international students submit all application material by July 15 for the fall semester and November 15 for the spring semester. You will be required to provide official transcripts evaluated by World Evaluation Service (WES) or Education Credential Evaluators (ECE) on a comprehensive course-by-course basis. Websites for WES and ECE are www.wes.org  and www.ece.org . This applies to both first time in college students as well as transfer students. Transfer students who have earned less than 19 semester hours of college credit will also need to provide their high school transcripts.

International applicants must also provide verification of ability to pay, prove English proficiency, and purchase health and accident insurance through the University sponsored program. Please refer to those sections for specific information.

Applicants should not consider themselves admitted to LSSU until they have provided all required documents and have received an official letter of acceptance. Following the letter of acceptance, the I-20 form is sent, as required by the U.S. Immigration and Naturalization Services.

If you are a Permanent Resident or able to be in the U.S. with another form of documentation, we will need a copy of this documentation for our records.

If you are a Canadian Aboriginal or Native American (excluding METIS) with at least 50% blood quantum and have J-treaty privileges (carry a tribal ID), you are exempt from needing an I-20 form. You must provide our office with a copy of your tribal ID and an official tribal-issued letter showing proof of blood quantum. International students are required to purchase a health and accident insurance through the University sponsored program.

Verification of Ability to Pay – Ontario and International Students

The U.S. Immigration and Naturalization Services (INS) requires that LSSU have verification of your ability to pay for tuition/books and expenses before we can issue a Certificate of Eligibility for Non-Immigrant (F-1) Student Status (I-20). This form is required for you to cross the border into the United States.

An acceptable financial document must have been submitted not more than nine (9) months before the term you intend to enroll at LSSU. The document also needs to be current within the last 90 days. Inclusion of false information in the financial statements is grounds for dismissal. Verification may be documented by the following: personal savings or verification of loans or scholarships received, a parent or sponsor, government or sponsoring agency, or by LSSU anticipated support.

As of September 1, 2004, the U.S. Department of Homeland Security (DHS) has implemented a rule requiring F-1 visa applicants to pay a one-time fee to supplement the administration and maintenance costs of the Student and Exchange Information System (SEVIS). Because we will be issuing you an initial I-20 form, you will be required to pay this SEVIS fee. Information about payment of the fee and the processing of your I-20 form upon entry to the U.S. will be provided to you with your initial I-20 form. You may also check our website for additional information:



www.lssu.edu/admissions/international .

Proof of English Proficiency

Proof of English proficiency is required for admission to LSSU as an international student. English proficiency can be proven in several ways:

1. Score 500 or above on the paper-based Test of English as a Foreign Language (TOEFL) or a score of 61 on the internet-based TOEFL. Please use institutional code 1421 to report scores directly to LSSU. More information on TOEFL may be found at www.toefl.org or 609-771-7100.
2. Score of 72 on the Michigan English Language Assessment Battery (MELAB). Write: English Language Institute, MELAB Testing, 3020 North University Building, University of Michigan, Ann Arbor, Michigan 48109-1057, U.S.A.
3. Completion of Level 112 at any ELS Language Center located in the U.S. More information can be found at: www.studyUSA.com or at www.els.com, 1-609-750-3500 or info@els.com.
4. APIEL - Advanced Placement English Language Test with a score of 3 or higher.
5. SAT/ACT critical reading score of 480 or higher, minimum overall score of 965 or higher, ACT equivalent is 20.
6. Completion of two (2) years of study at a school, college or university located in an English-speaking country.
7. IELTS - International English Language Testing System with a score of 6.0 or higher.

Undocumented Students

Students who are undocumented are considered domestic students, not international students for admissions consideration. They must meet our regular admission requirements. Undocumented students residing in North America will be classified as residents for tuition assessment. Undocumented students are not eligible for financial aid or scholarships.

Part-time Enrollment

You may enroll as a part-time student and take up to 11 credits per semester in courses for which you have sufficient academic background. United States students attending part-time who are not seeking financial aid or a degree or certificate do not have to formally apply for admission.

Canadian (commuter) students wishing to attend part-time must apply for admission and be accepted into a degree program. Note that all other international students must maintain full-time enrollment (12+ credits) to maintain F-1 status.

As a non-admitted part-time student, you are not assigned a faculty advisor. You are encouraged to seek assistance in selecting courses from the appropriate academic departments.

Current high school students should refer to the section regarding dual enrollment.

Career and Technical Education

Lake Superior State University recognizes the excellent academic achievement of students completed through the Career and Technical Education programs throughout the state by awarding university credit for this work completed while in high school. Through this partnership students are able to begin their university studies by completing their CTE curriculum. Lake Superior State University is a proud partner with the Michigan Department of Education, Michigan High Schools, and Michigan Career and Technical Education Centers in providing direct pathways

for students to continue their education after high school. Through [coordinated Articulation Agreements](#), LSSU assists students to realize a seamless and systematic transition, maximizing the use of resources and minimizing duplication of content as they move from their secondary to their postsecondary educational experience.

Dual Enrollment for High School Students

Effective July 2012, State law now allows qualifying 9th and 10th grade students (in addition to 11th and 12th grades) to attend as dual enrolled students in a postsecondary institution. To be eligible, students must be enrolled in at least one (1) high school class in a school district. A student must receive a qualifying score in each subject area on a reading assessment or the Michigan merit exam (MME) in order to be eligible to take all eligible courses; otherwise, he/she can only take courses in the area for which a qualifying score was achieved. If no qualifying score was achieved, the student is limited to a course in computer science, or foreign language, or a course in fine arts as permitted by the school district. Students must also meet any course prerequisite requirements. Students must be in Good Standing (cumulative gpa of 2.000 or higher) at LSSU to be eligible for continued enrollment. Students on probation are limited to course repeats, if available. Eligible students are limited to no more than ten (10) courses overall if the school district covers the cost; this limit does not apply if the student is covering costs.

Registration will be coordinated by the Admissions Office in conjunction with the Registrar's Office, once a student has completed the required form and has been approved as a dual enrollee. Students may pick up the Dual Enrollment Form from their high school guidance office, the LSSU Admissions Office, or at www.lssu.edu/admissions/dualenrollment/. Attendance as a high school dual enrollee does not constitute admission to a degree program. LSSU encourages students to apply for admission early in their senior year for a major of their choice.

Placement Testing (COMPASS)

LSSU will use ACT and/or SAT to place students in courses required for their degree and matched to their level of academic preparation. Occasionally, these test scores do not reflect a student's true preparedness or, depending on their admission status, ACT or SAT scores may not have been required. In that case, students will take English, reading, and math placement tests to determine which courses they should schedule. [The table](#) shows the relationship between ACT/SAT scores and LSSU English or math courses.

Students with high ACT or placement scores are invited to enroll in honors English. High scores in mathematics will also allow students to enroll in higher-level math courses.

Students with low scores in English, reading and mathematics will be required to take preparatory coursework that do not count towards degree requirements.

Transfer students without appropriate course work in English and mathematics (see degree requirements) are also required to take placement tests. Transfer students may meet placement requirements by their ACT scores if they submit ACT scores to LSSU.


Credit by Examination

You may earn university credit by examination. The University grants credit from Advanced Placement, International Baccalaureate (IB), College Level Examination Program (CLEP) and departmental exams. If you are already attending Lake State, you may earn credit through both CLEP and departmental exams.


You must meet the following criteria before credit by examination will be entered on your transcript:

1. be an admitted full-time student, and
2. be enrolled at Lake Superior State University.


Advanced Placement Program (AP)

Advanced Placement Exams are administered at high schools each May. LSSU grants credit in select AP exams passed with a score of three or higher. If an essay is part of an individual exam, it must be submitted to University Testing Services for evaluation. To receive credit, the essay must be satisfactory and you must have a minimum score of three on the test. Credit for AP is granted as shown on the [table](#) .

International Baccalaureate (IB)

Lake Superior State University offers college credit for students who complete IB coursework with strong results. LSSU will grant credit only for Higher Level exams and scores of 5 or above. Credit for IB is granted as shown on the [table](#) .

College Level Examination Program (CLEP)

You may take CLEP exams at a computer testing center, including Lake Superior State University's Testing Services. LSSU offers CLEP exams every month except December. Credit for CLEP is granted as shown on the [table](#) .

You may receive credit toward specified courses that meet general education requirements.

CLEP general and subject examination credit may not be used to repeat courses previously taken unless permission is granted from the academic department offering the course.

Grades for general examinations are recorded as credit without grade points.

Credit may be earned for individual courses by passing CLEP subject examinations.

Dantes ACE Credit

LSSU is proud to accept your credit for prior military experiences. Once we receive an official transcript, your transcripts (including military training) will be evaluated and credit will be granted based on American Council on Education (ACE) recommendations. If your Dante's equivalence is not listed, contact the Registrar's Office for further review. Credit is granted as shown on the [table](#).

Departmental Exams

Departments may provide their own examinations for certain courses. You must have the written approval of the appropriate School Chair to take the examination. An application form for credit by exam can be found online and in Anchor Access. There is a fee charged per credit hour. An examination grade of 2.00 or better is required for credit to be earned. Credit earned by exam is recorded as transfer credit on the student's transcript. Some universities may not accept transfer credit earned by departmental exam.

Health Record

Everyone entering Lake Superior State University for the first time should complete an Immunization Record and Health History Questionnaire. The form is mailed to admitted students. These questionnaires are not considered for admission to the

University. The information helps the University's Health Care Center better serve your needs.

Note: Information in the admissions section of the catalog is for information only and not part of an enrollment contract.

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Overview

NOTE: Students are automatically considered for Board of Trustees Scholarships upon completing application to LSSU by March 1st for the following fall semester.


Financial Aid Mission Statement

The mission of the Financial Aid Office is to provide accurate and timely financial aid information to students to meet their educational expenses.

Our goal is to offer all students a balanced financial aid package that is competitive and attractive, and best utilizes the resources available.

We strive to assist and educate our students by providing the best service possible so that they can focus on their educational experience.


Financial Aid Office

The LSSU Financial Aid Office staff is available to assist students with the financial aid process. Our experienced staff is available during office hours to respond to financial aid questions and requests. No appointments are necessary. Students are assisted in the office on a walk-in basis or may call (906) 635-2678 to speak with a financial aid representative. The Financial Aid Office email address is finaid@lssu.edu and website is <http://www.lssu.edu/finaid> . The Financial Aid Office is located in the Fletcher Center for Student Services on the campus of Lake Superior State University.

Financial Aid Offer

Financial aid is any money used for students' educational expenses and includes grants, scholarships, loans and student employment. An offer of financial aid in the form of a university scholarship is made when a qualified student is initially admitted to LSSU. Other offers of aid follow the admission and receipt of federal applications or athletic tenders. LSSU participates in federal, state and province aid programs and provides a generous institutional scholarship and grant program. An "Official Offer of Award" letter from the Financial Aid Office is sent after all documents needed to complete a student award are received and reviewed.

Applying for Federal Financial Aid

To apply for most types of aid, students must complete a [Free Application for Federal Student Aid \(FAFSA\)](#) . This application must be renewed each academic year for a student to continue receiving financial aid. The priority filing date for the FAFSA is March 1, and students who have completed a FAFSA by this date will be considered first for priority financial aid. Priority aid includes certain federal and state grants, the Perkins Loan and Federal Work Study. **Title IV School Code for LSSU is 002293.**

Scholarship Selection

Scholarship recipients are usually selected based on competitive examinations, scholastic records and/or financial need. The American College Test (ACT) and the College Board SAT test serve as the University's primary tests for scholarship consideration. Test results must be on file by May 1.

Scholarship Requirements

Board of Trustees' Scholarships are determined by a total point value that is based on GPA and ACT/SAT score. A minimum GPA of 3.00 and ACT of 19 is required for automatic review for a scholarship. The recipient of any award must be a full-time student carrying 12 academic hours or more each semester.

Satisfactory Academic Progress (SAP) Requirements for the Retention of Financial Aid at Lake Superior State University

If you are receiving any form of financial aid, you must meet these satisfactory academic progress requirements to retain your aid each semester.

Financial aid regulations require that a student must make satisfactory progress to remain eligible for financial aid. Financial aid programs affected by this policy include Federal Pell Grant, Federal Perkins Loan, Federal Work-Study, Federal Supplemental Educational Opportunity Grant, Federal Direct Loans, Federal PLUS Loans, State of Michigan and Institutional Scholarships, Grants, Loan and Work Programs, and some Rebates and Tuition Waivers.

The **minimum requirements** for all types of financial aid include three standard measures — the cumulative GPA, the number of credits earned each semester, and the pace of completing your degree. In addition, there are some types of aid with more stringent requirements, such as scholarship renewal requirements.

Minimum GPA Standard: Students must maintain a minimum cumulative grade point average (GPA) of 2.0 each semester to remain in good standing.

Credits Earned Standard: Each student's progress in total overall credits attempted and earned will be reviewed every semester. Students must earn 67% of the total number of credits attempted to maintain eligibility for aid.

Overall Att. Credits	Must Earn 67%	Attempted Credits	Must Earn 67%	Attempted Credits	Must Earn 67%
175	118	20-21	14	11-12	8
150	101	19	13	10	7
100	67	17-18	12	8-9	6
75	51	16	11	7	5
50	34	14-15	10	5-6	4
25	17	13	9	4	3
				1-3	all

Each semester the total number of credits attempted and earned will be evaluated, including remedial coursework. All prior LSSU credits will be used to determine if the student has earned at least 67% of their total credits attempted. For example, if a student attempts 16 credits for fall and 16 credits for spring semester, the student must earn 22 credits to meet the 67% completion requirement. ($16 + 16 = 32 \times 67\% = 21.44$ credits or 22.)

NOTE: Transfer credits that have been evaluated and accepted for credit at LSSU will be added to both the credits attempted and earned cumulative totals, however, transfer students must also earn 67% of their LSSU credits each semester to maintain good standing. Consortium students must earn 67% of the combined total credits each semester (credits at both LSSU & the community college) to maintain good standing at LSSU.

Maximum Time Frame — 150% of Length of Program: A student must complete the highest degree being sought within 150% of the published length of his/her program. For example, students working on a baccalaureate program of 124 credits may receive aid for 186 attempted credits, **including transfer attempted credits:**

Degree	Average Credits Needed	Maximum Time Frame
Paramedic Certificate	40	Within 60 attempted credits
LPN Certificate	47	Within 71 attempted credits
Pre-Nursing BSN	56	Within 84 attempted credits
Associate	62	Within 93 attempted credits
Associate Health Care Provider	75	Within 113 attempted credits
Bachelor	124	Within 186 attempted credits
Teaching Certificate	136	Within 204 attempted credits
Master's	32	Within 48 attempted credits

One *WARNING SEMESTER*

If a student does not meet the Financial Aid Satisfactory Academic Progress (SAP) at the end of each semester, the student will be given one warning semester. Students may receive aid during the warning semester. If a student fails to meet the standard for the second consecutive semester enrolled, the financial aid **will be suspended**. During the *WARNING SEMESTER*, it is **highly recommended that students plan ahead and work with an advisor to correct deficiencies**.

Financial Aid Suspension

No aid will be granted once a student's eligibility is suspended, including but not limited to federal, state and institutional aid.

Right to Appeal

A student whose aid is suspended may request reinstatement through the Financial Aid Appeals Committee. The student must effectively demonstrate that the failure to meet SAP was due to an unusual or extenuating circumstance, and explain what has changed. The directions and required forms for the appeal process are available online at www.lssu.edu/finaid/pdfs/appealprocess.pdf

Financial Aid Self-Reinstatement

Once financial aid is suspended, both the cumulative GPA and credit hour completion standards must be met in subsequent semesters of at least six credits before reinstatement of aid is possible. Students who successfully complete a minimum of six credits at LSSU while not receiving financial aid must contact the Financial Aid Office to request a review for reinstatement.

If completion of "I" grades or other record changes warrant a reinstatement, a copy of the transcript must be submitted to the Financial Aid Office with a written request for a review.

Repeat Policy for Financial Aid Recipients

Students may use financial aid to repeat coursework that has been previously failed. Students may also use financial aid one time when repeating coursework to improve an earned letter grade of D- or higher.

For example, a student taking a course for the first time who received an F grade could have financial aid to repeat the course. If the student received a D grade for the repeated course, the student **could** have financial aid one more time to repeat the course to raise the grade. Students advised to retake passed courses more than once to improve their GPA may do so at their own expense, provided the repeats are allowed by the department.

Note: Satisfactory Academic Progress Policy is in compliance with the Department of Education Final Regulations published Oct. 29, 2010 - 34CFR 668.16(e), 668.32(f) & 668.34.

LSSU Scholarship Renewal Requirements

Congratulations on receiving a Lake Superior State University scholarship. If your scholarship was offered to you as a "renewable" award, it is important that you have met the criteria listed below each spring when your eligibility is reviewed for the next year.

General renewal requirements include:

1. **You must earn a minimum of 24 LSSU credits each academic year** while receiving a scholarship, unless otherwise noted in your award, and the minimum cumulative GPA as required by the award.
2. You must maintain enrollment each semester (fall & spring) as a continuous full-time LSSU student. Enrollment for summer semester is not included.
3. If you withdraw or leave LSSU for any reason, your scholarship will automatically terminate. If you plan to leave for a study abroad program, internship or health reasons, you may write an appeal to have your scholarship postponed until you return.
4. To receive the room and board component of any scholarship, you must be in the on-campus room and board program for the semester. If you leave on-campus housing, the room and board award will be terminated. If you return to campus housing (you must be on the room and board plan for the full semester), you can request reinstatement of the room and board component prior to the beginning of the semester you return.
5. Most scholarships offered to freshmen are renewable for up to four years. Students in their teaching internship semester may be eligible to receive a 9th semester renewal.
6. Changing majors does not affect the Board of Trustees' Scholarships, but may affect departmental awards that require enrollment in certain majors.
7. **Scholarships are not reinstated on appeal**, except for students who have left school for reasons stated in #3.
8. The scholarship renewal policy is separate from the University's Academic Standards and Satisfactory Progress Standards for the retention of other forms of financial aid.
9. If you do not meet renewal requirements when your eligibility is reviewed each year, but raise your LSSU cumulative GPA or credits earned to the minimum requirements prior to the start of the next semester, you must notify the Financial Aid Office in writing that your student record has been updated with new information warranting a review.
10. LSSU Regional Center students may reactivate a Board of Trustees renewable scholarship by notifying the Financial Aid Office prior to semesters of full-time attendance in LSSU courses, provided that GPA requirements are met.

Note: Some types of financial aid awards, such as an employee rebate, the Native American Tuition Waiver, or the Tuition Incentive Program, could affect your eligibility for an LSSU scholarship. Please contact the Financial Aid Office for further details.

In addition to earning the minimum number of credits (24) required each year, scholarship winners must meet the following minimum cumulative GPA requirements to maintain their awards:

Board of Trustees Distinguished Scholarship & LSSU Partial to Full Tuition Scholarships (>\$5000 per year):

3.00 or better cumulative gpa after 2 semesters of study

3.10 or better cumulative gpa after 4 semesters of study

3.20 or better cumulative gpa after 6 semesters of study

Board of Trustees Academic Excellence Scholarship, Board of Trustees Recognition Scholarship, Board of Trustees Transfer Scholarships, LSSU Foundation Scholarships*:

2.50 or better cumulative gpa after 2 semesters of study

2.60 or better cumulative gpa after 4 semesters of study

2.70 or better cumulative gpa after 6 semesters of study

* Includes most other renewable institutional scholarships with a value less than \$5000 per year, unless otherwise stated in criteria.

Note: Transfer credits are included when determining "semesters of study."

Frequently Asked Questions

Full tuition scholarships are limited to 12-17 credits per semester for the academic year and do NOT include any special course fees, program fees, media fees, etc.

Full tuition scholarships can not be combined with tuition waivers, such as Michigan Indian Tuition Waiver or Employee Rebates.

Recipients of donor-funded scholarships are encouraged to write thank you letters to the donors and may be invited to special donor events.

Departmental scholarship recipients must notify the Financial Aid Office if changing their major course of study to determine the effect on their award!

New Scholarships for Current Students

Renewable scholarships are based on your grade level and number of credits transferred or earned at the time of your award. For example, if you are offered a renewable scholarship as a sophomore, you will generally be eligible for two additional years of scholarship. If an ending date is not stated in your offer of scholarship, please contact the Financial Aid Office if you have questions about the renewal features of your award. Except for students in their fifth year of the teaching program, scholarships are generally not available to students with more than four years of higher education or eight semesters of study or more than 124 attempted credits.

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Overview

An exact outline of University fees and assessments can be found in the Admissions Office. These costs are determined by the Lake Superior State University Board of Trustees.

A fee of \$25 for filing online or \$35 for paper filing (United States funds) must accompany each Application for Admission to Lake Superior State University. The fee is nonrefundable and does not apply toward tuition or other fees.

Residency Policy for Tuition Purposes

Effective the Fall Semester 2015, all students with citizenship in North America, or lawful permanent residents of the United States, will pay in-state tuition (One Rate at Lake State). Children of LSSU alumni are also eligible for the One Rate at Lake State resident tuition rates. North America is defined as the land mass north of the Panama-Colombia border and the islands of the Caribbean*.

Students without North American citizenship or without permanent residency will be required to pay non-resident (international) tuition.

Any individuals using educational assistance under either Chapter 30 (Montgomery GI Bill® – Active Duty Program), Chapter 33 (Post-9/11 GI Bill®), of title 38, United States Code, and/or the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in the State of Michigan while attending Lake Superior State University (regardless of his/her formal state of residence) are eligible for in-state tuition.

Initial decisions on classification of residency shall be made by the Director of Admissions at the time of admission. Requests for reclassification shall be made to the Registrar. Students may appeal these decisions to the Provost.

* Countries and Territories: Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Belize, Bermuda, Bonaire, British Virgin Islands, Canada, Cayman Islands, Clipperton Island, Costa Rica, Cuba, Curaçao, Dominica, Dominican Republic, El Salvador, Greenland, Grenada, Guatemala, Guadeloupe, Haiti, Honduras, Jamaica, Martinique, Montserrat, Mexico, Navassa Island, Nicaragua, Panama, Puerto Rico, Saba, Saint Barthélemy, Saint Kitts and Nevis, Saint Lucia, Saint Martin, Saint Pierre and Miquelon, Saint Vincent and The Grenadines, Sint

Eustatius, Sint Maarten, Trinidad and Tobago, Turks and Caicos Islands, USA (United States of America), United States Virgin Islands.

Policy: Tuition/Fees

All tuition and fees are payable according to established due dates. Students delinquent in payment of a financial obligation are subject to enrollment cancellation and/or late fees until all amounts due the University are paid or satisfactory arrangements are made with the Business Office.

Anyone who is delinquent in any obligation to the University will not be allowed to register for classes. Additionally, University services will not be provided until financial obligations are met. Registration is not complete until fees are paid. A check or draft returned to the University and not honored by the bank constitutes nonpayment and may result in cancellation of registration.

Students auditing a class are assessed full tuition and fees for the course and an AU grade is recorded on the student's official transcript upon completion of the course. Michigan residents who are 60 years of age or older may audit undergraduate courses compliments of LSSU. No records are kept of their audits.

In addition to tuition, there are various fees assessed to students in specific situations.

Activity Course Fee: The activity course fee is an additional charge applied to one-credit courses in music and recreation. These courses are elective.

This activity fee is assessed on all students enrolling in one-credit music (one-credit activity and performance courses with an MUSC prefix, except MUSC210) or one-credit recreation (one-credit activity courses with an RECA prefix) classes.

Administrative Fee: Administrative fees will be charged for PLATO software and departmental exams.

Enrollment Fee: The enrollment fee is a one-time fee established to partially cover the costs associated with the orientation of new students.

The enrollment fee is assessed on all new and transfer students when they are admitted to a degree program.

Program Fees: The program fee is an additional charge per credit for courses in engineering, nursing, chemistry, natural science and paramedic technology.

Distance Education Fees: These fees are charged for courses delivered to regional center students and other distance education students other than in a face-to-face format with instructors. There will be a fee for courses delivered via Interactive TV, via the Internet, and via CD/WebCT.

Regional Center Fee: The regional center fee is an additional charge per credit, charged for courses delivered by instructors at the regional centers.

The regional center fee is assessed on all students registering for a course at an LSSU Regional Center (Escanaba, Dearborn, Gaylord and Petoskey).

Special Course Fee: Special course fees are charged to cover costs of supplies, equipment, maintenance, and student transportation over and above the normal costs for all courses. These fees become part of the department supply and equipment budget.

Special course fees are assessed on students taking the course for which the fee is charged.

Credit by exam: Credit by departmental examination is available to full-time students. If a 2.00 or better is scored, the credit is recorded on your transcript. The fee charged is \$50 per credit hour.

Student Activity and Media Fee: This fee was requested by the Student Government and approved by the Board of Trustees on June 30, 2003, to support Student Government, student activities, the student radio station WLSO, and the student newspaper, The Compass.

The student activity and media fee is a flat fee assessed on all enrolled students except those registered for internship classes, for classes at a regional center, or dually-enrolled at LSSU and a high school.

Vehicle Registration Fee: This fee entitles a student to register one student vehicle to be parked in a campus parking lot.

The fee is refunded only under certain conditions. Vehicle registration information is available at www.lssu.edu/parking.

Withdrawal/Refunds

If you decide to drop your classes, you, must complete the following:

1. Pick up a Withdrawal Form at the Registrar's Office, located in the Fletcher Center for Student Services.
2. Gather the required signatures (shown on the form). Note: if you have received federal loans as financial aid, you will be required to complete an exit interview at the Financial Aid Office. You may also be required to speak with a financial aid officer. You will need to provide the complete addresses and phone numbers of two people (living at different addresses) as references for the exit interview process.
3. Deliver the completed form to the Registrar's Office and clear any outstanding charges or holds that may prevent your return at a later date or prevent the release of your academic records. Your withdrawal date will be determined by the date the completed form is submitted to the Registrar's Office. Any refunds will be calculated as of that date.

Withdrawal and Refund Policy for Fall and Spring Semesters		
Courses Dropped	Time of Withdrawal	% of Refund
Any or all classes	Prior to class - 6th school day*	100%
Dropping all classes	7th-8th school day	90%
Dropping all classes	9th-19th school day	50%
Dropping all classes	20th-38th school day	25%
<i>*There are no refunds for partial drops after the sixth day.</i>		

All withdrawals should be done in person. If you are unable to complete the process in person, the Registrar is the only University authority that can authorize the process of your withdrawal over the phone. Please contact the Registrar's Office at 906-635-2682 for assistance. If you are a federal recipient, you will need to

complete your exit process with the Financial Aid Office.

After your completed Withdrawal Form is accepted, your University charges will be reduced according to the withdrawal and refund policy. If you have not received any form of financial aid and there is a credit balance on your account, you will be sent a refund check. If you have received aid, your aid may have to be returned to the appropriate source. You may then have a balance due to the University. A bill will be sent and is payable upon receipt.

Financial Aid Return Policy: Applies to students receiving federal and state financial aid including loans and scholarships, and institutional and private aid.

- First, your account will be credited according to Lake Superior State University's Refund Policy (on or prior to the 38-day withdrawal period). The summer semester refund policy is shortened.
- Then, your financial aid will be reduced in direct proportion to the length of time you remained enrolled, up to 60 percent of the semester.
- PLEASE NOTE: If you have received a payment for excess financial aid and you withdraw, you could owe the University and/or the federal government money.
- Any remaining refund due you, after all funding sources have received the appropriate credit, will be refunded directly to you.

For example: If there are 101 days in the semester and you withdraw on the 45th day, your federal aid would be reduced to 45% (45/101). If your total cost to attend was \$4,000 and it was paid with federal aid of \$2,400 and a personal payment of \$1,600, your federal aid would be reduced to \$1,080. You could owe the University \$1,320.

Attendance Policy for federal financial aid recipients: Regular class attendance is required for students receiving federal financial aid. If you are reported for non-attendance in any or all of your courses, your financial aid may be withdrawn.

If you fail to demonstrate attendance by earning credits for a semester while receiving federal aid, your aid may be returned and you may owe unearned funds back to the University.

Leaving school: For information about leaving the University see Withdrawal. Non-attendance of classes or checking out of campus housing does not constitute withdrawal, nor does academic dismissal. Students who leave but do not withdraw are responsible for full tuition and fees and will receive failing grades on their transcript unless an official Withdrawal Request Form is filed with the Registrar's Office.

Students who fail to earn credits for the semester while receiving financial aid are subject to Title IV refund requirements and may lose all or part of their financial aid.

Transcript fee: One official transcript is provided to all students, either before or after graduation. There is a \$5 fee for each additional transcript.

Delinquent accounts: Students with delinquent accounts may be removed from class, have their diploma withheld, and/or have transcript requests denied.

Room and Board Applications

Housing applications: Unmarried students enrolled for 12 or more credit hours and who are within 27 calendar months of their graduation from high school at the beginning of the academic year (for this purpose, high school graduation dates are assumed to be June 1st) must reside in a University residence hall.

The exceptions are:

1. if you live with parents within a 60-mile radius, or the three-county (Luce, Chippewa, and Mackinac) service area of the University campus. An exemption application, available in the Housing Office, must be approved by the Director of Campus Life and Housing.
2. if you are exempted in writing by the Director of Campus Life and Housing when residence hall space is filled.
3. if you face unusual financial or health problems and are exempted by the Director of Campus Life and Housing.

Applications for housing must be made to the Housing Office. Students indicating interest in on-campus accommodations on the University admissions application are sent housing information. Room assignments are made upon receipt of the first room and board payment. Applications are voided if first room and board payment is not received by June 1st. If application is canceled by notification to the Director of Campus Life and Housing by June 1st, all monies paid will be refunded. If cancellation is between June 1st and the opening of the residence halls, LSSU retains \$100. Cancellation after the halls open is subject to a \$500 penalty. You must be accepted for admission and be enrolled in and attending classes to live on campus.

Room and board: Students are billed for room and board and tuition each semester. A payment plan may be set up with the Business Office located in the Fletcher Center. A cost sheet is available from the Student Service Center.

Housing deposit: If you are living on campus, there is a \$150 damage deposit prior to checking into the hall. This deposit is refunded, less monies owed to the University, when you leave campus housing.

Regulations: Regulations and expectations of your conduct as a member of the LSSU community will be provided when you take residence.

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Campus Life

Campus life is an important part of your Lake Superior State University experience. There are countless opportunities to enhance your educational experience. We encourage you to participate in student activities and to get involved with the campus. It is a great way to meet people and gain invaluable experiences and insights that will help when you graduate.

There are more than 60 different clubs and organizations at LSSU. There is always something going on so you can be a part of the campus scene.

We have 11 sports at Lake State: basketball, cross country, track and tennis for men and women; ice hockey for men; and volleyball and softball for women. In addition, the University has an extensive intramurals program including sports such as broomball, basketball, hockey and more.

Beyond the programs and services on campus, you have the natural splendor of the Upper Peninsula and Canada. Good hunting and excellent fishing are found within a few miles of campus. Favorite winter sports are skating, hockey, snowshoeing, tobogganing, ice fishing and skiing.

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- [Student-Faculty Relations Committee \(Appeals\)](#) *(see below)*
- [Disability Services and the Ability Center for Exceptional Students \(ACES\)](#) 

The LSSU Ombudsman

If you're a student in need of assistance to resolve a conflict or dispute within the University then you should contact the LSSU Ombudsman. The Ombudsman is a senior faculty member appointed by the President and Provost to assist students in resolving these types of issues. The Ombudsman carries out these duties in a neutral, impartial, confidential, informal and independent manner.

What does an Ombudsman do?

Following a request for assistance, the Ombudsman will take one or more of the following actions: (1) listen carefully to the concern, (2) explain relevant student rights and responsibilities, (3) review relevant University policies or regulations, (4)

suggest fair and equitable options, (5) refer the individual to an appropriate university resource or (6) investigate, when necessary.

Specifically the LSSU Ombudsman:

- meets with the respective student and listens intently,
- discusses conflicts, disputes, and complaints that the student has about the functioning of the University, including policies, and procedures, the actions of others, and treatment that is unfair,
- helps the student identify and evaluate the options available to address his/her concerns
- works with the student to promote the development of critical thinking and problem solving skills,
- helps the student to understand their rights and will encourage and coach the student to work on their own behalf to resolve conflicts,
- answers questions or find others who are able to answer the respective questions,
- engages in shuttle diplomacy between parties who are finding it difficult to solve a problem between the two of them, or
- identifies problem areas, and areas of conflict, that exist within the University and makes recommendations to the University leadership.

Are there things the Ombudsman cannot do?

Yes. The Ombudsman is not an advocate for any group on campus; instead, the Ombudsman is an advocate for fairness. The Ombudsman also does not provide legal service, represent students or instructors at academic grievance or disciplinary hearings or mediate disputes between or among faculty or between faculty and administrators. The Ombudsman does not accept formal complaints, or notices, for the University.

Specifically the LSSU Ombudsman does not:

- administer sanctions,
- determine "guilt" or "innocence" of those being accused of wrong doing ,
- make academic or administrative decisions for other parts of the University
- give legal advice,
- participate in formal grievance processes, hearings or judicial processes,
- accept official "notice" for the University about issues,
- keep official University records and/or written accounts of individual meetings with students, or
- respond to subpoenas or other requests for information because of assertion of Ombudsman privilege.

How can I Contact the Ombudsman?

Students may contact the Ombudsman in person, by email, or by phone. Please remember that e-mail is not recommended for confidential discussions. The LSSU Ombudsman is:

Dr. Sally Childs
Norris Center, Room 108D
Phone #: 906-635-2610
Email: schilds@lssu.edu

Other Information:

According to the International Ombudsman Association (www.ombudsassociation.org) Code of Ethics, an Ombudsman practices:

Independence

An Ombudsman is independent in structure, function, and appearance to the highest degree possible within the organization

Neutrality and Impartiality

The Ombudsman, as a designated neutral, remains unaligned and impartial. The Ombudsman does not engage in any situation which could create a conflict of interest.

Confidentiality

The Ombudsman holds all communications with those seeking assistance in strict confidence, and does not disclose confidential communications unless given permission to do so. The only exception to this privilege of confidentiality is where there appears to be imminent risk of serious harm.

Informality

The Ombudsman, as an informal resource, does not participate in formal adjudicative or administrative procedure related to concerns brought to his/her attention.

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Please familiarize yourself with the academic policies described in this catalog. They will help you obtain your educational objectives. Faculty advisors, staff and administrative personnel will also help you negotiate your way through these policies — seek their advice whenever you have questions!

Student Classifications

0 to 25 credits = freshman

26 to 55 credits = sophomore

56 to 87 credits = junior

88+ = senior

The Academic Year

Lake Superior State University operates on a semester system. There are two regular 15-week semesters (fall and spring) which begin in August or September and end in April or May. The summer semester consists of classes offered in two six-week sessions, or one 12-week session. Please view the [Important Dates](#) for specific information for each semester.

Academic Credit

One credit is equal to 14 hours of classroom instruction in lecture/recitation courses. For example, a three-credit course might be scheduled 9-9:50 a.m. Monday, Wednesday and Friday for 14 weeks plus one week for exams. Laboratory classes, field work or other non-lecture classes meet for more than one hour a week per credit.

You should expect to spend two hours of study or class preparation for each hour spent in class.

The average credit-hour load for full-time students is 16 credits. A minimum of 124 credits is required for all baccalaureate degrees; a minimum of 62 credits is required for all associate degrees.

Academic Transcripts

You may have an official copy of your permanent records sent to schools, companies and other places or persons of your choice. Complete and sign a [Transcript Request Form](#) and mail or fax it to the Registrar's Office, 650 W. Easterday Avenue, Sault Ste. Marie, MI 49783. Your first official transcript requested is free; after, there is a \$5 charge for each transcript. Student copy transcripts are issued directly to you and can be requested free of charge at the Registrar's Office in the Fletcher Center. You must show a picture I.D. Any financial or other obligations to the University must be cleared before a transcript is released. You may also print an unofficial transcript on-line using Anchor Access.

Student Curriculum Choice and Advising

When you apply for admission, you are asked to declare a major. The major you declare will determine which major department you are in and the academic advisor assigned to you. Please get to know your advisor well and meet with him/her often to get help in class selection, degree progress and career advice. You may change your major by processing a Major Change Form, available in Anchor Access and in the academic offices. Major Change Forms must be filed with the Registrar's Office for each major change. If you are unsure of your major, you will be assigned to the Liberal Arts-Undecided major.

Semester Course Selection

Registration for the next semester takes place near the end of your current semester.

Three weeks before registration, course schedules listing times, dates and locations will be available [online](#) and in Anchor Access. Review the class offerings, read the instructions for scheduling, and meet with your advisor to select courses for the next semester.

You must sign up for classes for the semester in which you will be doing the actual work.

Please review all the registration information carefully as it has dates for registration according to class level, dates for tuition payments, and information regarding prerequisites, corequisites and other course requirements.

It is your responsibility to ensure that the classes you take count toward your degree program. You may, however, be required to take developmental courses (course numbers beginning with "0", such as MATH087), which will not count toward graduation.

Test Scores: When you apply for admission, you will send your ACT or SAT scores to Lake Superior State University. Your scores determine the level of English and mathematics courses into which you will be placed. If you have been out of high school more than 26 months and have not taken the ACT or SAT, you will take placement tests at the Testing Center at Lake Superior State to determine your placement in English and mathematics.

Prerequisites: Many courses require that you complete English, reading and/or mathematics, or other preliminary classes before registering for the course. If you are currently enrolled in a course which is prerequisite to a course you need the following semester, you may register for the course on the presumption you will successfully complete the current course. If you do not earn the prerequisite grade required for the next course, you should consult your advisor and make a plan for an alternate course. Exceptions may be made only by the dean of the college or the instructor of the course.

Maximum credit load: You may carry up to 20 credits per semester. You may take more credits if you have a 3.00 GPA or higher and have written approval from the appropriate dean. Students on academic probation should not take more than 15 credits.

Adding/Dropping courses through the Add/Drop Period: You may add or drop courses online using Anchor Access through the sixth day of the fall or spring semester. If you are attending a summer semester, you can add or drop courses online through the fourth day of the semester.

If you wish to add a course that is full or without having the necessary prerequisites, you must contact the instructor for that course to request permission. If the instructor approves the request, he/she will complete an Instructor Override

for you. You must then go online and register for that course.

Courses dropped through the sixth day (fourth for summer semester) will not appear on your academic transcript.

Adding courses after the Add/Drop Period of the semester: Online registration ends on the sixth day of the semester (fourth for summer semester). If you wish to add a course after this date, you must have the instructor's permission. You will need to complete a Schedule Adjustment Form, have the instructor sign it giving permission, and then process the form at the Registrar's Office, located in the Fletcher Center for Student Services.

Dropping courses after the Add/Drop Period of the semester: You may drop a full-semester course during the first eight weeks (40 days) of the semester. For courses running less than a full semester (e.g. seven-week class), check online for the official drop dates — the time period for dropping will be approximately equal to one-half of the course instructional period. If you drop a course, you will receive an N grade on your academic transcript. N grades are not counted in the academic GPA.

Repeat Policy

This policy is in effect for all students starting at Lake Superior State University as of the Fall Semester 2011. You may repeat a class in which you earn a grade other than "W" or "N" only twice without special permission.

1. Courses transferred from other institutions are included in this policy.
2. Both the original and repeat grades will show on the transcript, but hours earned toward graduation will only count once.
3. For the purpose of calculating the cumulative grade point average, only the grade of the last attempt will be used.

To repeat a course more than twice, the student must attain the permission of the course instructor and the dean of the college offering that course. Permission is only granted under extenuating circumstances.

Policy on substitutions or waivers for failed classes

If you fail a class required for your degree program, you must repeat the class and receive a passing grade. If the failed class is no longer offered because of program changes and/or course deletions, the dean may approve a substitution or waiver recommended by the academic chair. The chair must provide reasons for the recommendation on the substitution/waiver form which is sent to the dean's office for approval. Upon approval, the dean will then send the form to the Registrar's Office.

Withdrawals

If you are an enrolled student and drop all of your classes during the first eight weeks of the fall or spring semester (dates vary for summer semester), you may be eligible for a partial tuition refund. You will need to complete a Withdrawal Form at the Registrar's Office. ([Please check online for the refund policy and dates.](#))

Before leaving, be sure you have cleared any holds on your records so you can return at a later date or have transcripts of your academic records sent.

Late Withdrawal: Students requesting a late withdrawal from one or all of their classes after the official drop date need to complete a [Request for a Late Withdrawal and/or Tuition Appeal Form](#) and have documented extenuating circumstances. The decision to grant the late withdrawal and/or tuition appeal will

be made by the Late Withdrawal Appeal Committee. Appeals are reviewed in the order received and results may take from two to four weeks. The need for additional documents may delay this timeframe. All decisions by the committee are final and not subject to appeal.

Class Attendance

Regular class attendance and active participation in classes are important elements in the learning process. You are at the University primarily for the sake of intellectual growth and development. Attendance and participation provide appropriate opportunities for the evaluation of your progress.

You are personally responsible for the satisfactory completion of the course work prescribed by your instructors. This means that you are expected to attend classes regularly, and that you are responsible for the work assigned in class, the material covered in class, and for participation in class activities (including discussion and listening) designed by the instructor as part of the learning experience. However, mere physical attendance should not be a criterion for evaluation of your performance.

Participation in an official University function is an excused absence when approved by the provost. You will not be penalized for such participation. You are responsible for work missed and must confer with your instructor on this matter.

Grading System

Grades and Grade Points

Grade	Grade Points per Credit
A+	4.00
A Excellent	4.00
A-	3.70
B+	3.30
B Good	3.00
B-	2.70
C+	2.30
C Average	2.00
C-	1.70
D+	1.30
D Inferior	1.00
D-	0.70
F Failure	0.00
I Incomplete	0.00
N No Grade	0.00
W Late Withdrawal	0.00
AU Audit	0.00
CR Credit	0.00
CR (undergraduate level) is equal to a 2.00	
CR (graduate level) is equal to a 3.00	
NC No Credit	0.00

Grade Point Average (GPA): To calculate your GPA for a semester, divide the total quality points earned by the GPA hours. GPA hours include those earned or failed but not those classes taken for credit/no credit. Cumulative GPA is calculated by dividing total quality points earned by the number of GPA hours carried in all semesters. If you repeat a course, count only the credits carried and the points of the last grade earned. Only the grade of your last attempt is calculated in your GPA.

A cumulative GPA of 2.00 for all credits is required for graduation. Further, a 2.00 cumulative grade point average for all credits in major, minor(s), and general education is required. Some programs require a higher GPA in the major curriculum.

"I" (incomplete) grade: Students may request an "I" (incomplete) grade for a course if extenuating circumstances beyond their control prevent the completion of the course requirements by the end of the semester. Examples of extenuating circumstances may include health issues, death of a parent/spouse/child, or military service. Students and faculty must be aware that an "I" (incomplete) grade counts toward the student's attempted credits for a semester and may thus affect Satisfactory Academic Progress. Students receiving financial aid must consult with the Financial Aid Office to discuss their specific situation when electing to drop a course or requesting an "I" (incomplete) grade.

Appropriate documentation is required. Students will need to be enrolled and have completed the majority of the work required for a course during the semester to be eligible to request an "I" (incomplete grade). An "I" (incomplete) grade may be issued in a course that by design can not be completed in one semester. An example of this type of course would be a study abroad course that requires the student to be out of the country until after the official semester end date. An "I" (incomplete) grade shall not be issued as a midterm grade for any course.

Students must work with the instructor to complete all missing requirements by a date specified by the instructor. If a date is not given, the student will have a maximum of two semesters (excluding summer semesters) to complete the requirements for the course and to have the "I" (incomplete) grade changed to an appropriate final grade. Students should not re-enroll in any class in which they currently have an "I" (incomplete) grade.

If the "I" (incomplete) grade has not been changed to an appropriate final grade by the end of two semesters (excluding summer semesters) the "I" (incomplete) grade will be changed to an "F" (failure) grade.

Students are **not** eligible to receive a degree or certificate with an "I" (incomplete) grade on their academic record.

N and W grades: These grades are given to those classes that you have officially dropped (N) or withdrawn (W).

Credit/No Credit Courses

You may enroll in some courses on a credit/no credit basis if you are in good academic standing. The following conditions exist:

1. One course per semester may be taken as credit/no credit.
2. Only 12 credits of courses taken as credit/no credit may be applied toward a degree.
3. Courses that are required by your major, minor, or that are general education courses, can not be taken for credit/no credit.
4. You apply at the Registrar's Office to enroll for a credit/no credit course during the add/drop period; cannot change to regular grades after the add/drop period ends.
5. You maintain a 2.00 (C average) in a course to receive a CR grade.
6. Instructors are not notified that you are taking a course as credit/no credit; the CR or NC credit is assigned based on the grade your instructor submits.
7. Certain courses are always offered with a credit/no credit format. These courses have this information in the official course description and course syllabi. The policy and limitations outlined above do not apply to these courses.

Auditing a Class

Audits are designed for someone who wishes to take a particular course for its content but not be graded for the course. An LSSU student may register for any course on an audit basis provided all prerequisites have been satisfied. Normal tuition and fees are charged for audited courses.

The coursework for auditing a course is determined in conjunction with the faculty member for the course.

Auditing courses does not count as part of a student's official class load for determining financial aid eligibility, veteran's benefits or any other enrollment certification requirements.

Students may change from an audit to credit status during the first week of classes and only with the concurrence of the faculty member for the course. This change must be processed through the Registrar's Office for grading purposes.

Senior Audit Policy

Residents of Michigan who are 60 years of age or older may take undergraduate courses at Lake Superior State University without paying tuition (tuition is waived). Such residents may register on an [audit basis](#) for any undergraduate course offered by the University, provided that space is available, and the individual meets the prerequisites or has the permission of the instructor. Verification of age must be provided to the Registrar.

Those participating in course work under this program shall be entitled to full classroom participation, and may complete all assignments and examinations for evaluation by the instructor. The purchase of textbooks, program fees, special course fees, and required materials shall be the responsibility of the participant. The student's name will not appear on an instructor's official class list or grade roster and no grade will be recorded for the student in the Registrar's Office.

Dean's List

Full time students carrying at least 12 graded credits of college-level courses (100 level or above) in a semester with a grade point average (gpa) of 3.500 or higher, and NOT having any incomplete ("I") grades, will earn Dean's List honors, which acknowledge outstanding academic achievement.

If a grade is changed within 30 days from the end of the semester because of an instructor error in the recording of a grade, or because the student has completed the work required to resolve an Incomplete ("I") grade, the student will be considered for Dean's List honors.

Effective fall semester 2006, students earning Dean's List honors will have this designation noted on their LSSU academic transcript.

Prior Learning Policy

Credit for Prior Learning (CPL)

LSSU recognizes that students may acquire expertise, skills and knowledge through individual study, employment, military training, community service or other experiences outside of the normal college setting, which is known as prior learning. LSSU credit may be awarded for prior learning through successful completion of standardized examination programs, (e.g. CLEP, Advanced Placement, DANTES), credit recommendations of the American Council of Education, or successful

completion of "departmental examinations". Credit may also be awarded upon successful completion of an individual Prior Learning Portfolio that documents the demonstration of learning outcomes for a specific course or set of courses.

All prior learning credits are considered transfer credits and are subject to the same policies as other transfer credits. Discuss your prior learning experience with your academic advisor, chair or dean for more information.

University residency requirements apply to all forms of prior learning (e.g. a minimum of 30 credits of the 124 credits required for an LSSU baccalaureate degree must be earned using LSSU coursework). See the Academic Catalog for the complete residency policy.

CPL Portfolio Program

The CPL Portfolio program grants credit after a successful faculty evaluation, and Dean approval, of a portfolio that demonstrates mastery of the learning outcomes for a specific course or set of courses. Unlike typical course articulations, no list of equivalencies exists since every person's prior learning experience can vary significantly. It is only through the CPL Portfolio review process that equivalencies are identified and credit awarded. Because of this, not all Lake Superior State University courses are eligible for CPL Portfolio review. Credits awarded through the CPL Portfolio review support a student's goals and are applied to a specific academic degree program. A typical portfolio will capture prior learning experiences from work experience (based on past employment), past training (such as classes, workshops, seminars, etc.), and life experiences (long-term activities that may have resulted in college level learning). The University provides guidelines and assistance for CPL Portfolio development through the School of Arts and Letters.

If you are interested in pursuing credit for prior learning through a CPL Portfolio, you should contact the Dean or the Chair of the School of Arts and Letters to review the process. After that meeting, you will be directed to a dean or multiple deans to review your request(s).

CPL Portfolio Criteria:

In order to be considered for CPL Portfolio credit review, a student must be currently enrolled in a degree program and his/her cumulative GPA must be a minimum of 2.00, or higher where required by the program. Furthermore:

1. All CPL Portfolio credit is considered non-LSSU credit (transfer credit) and is limited by LSSU policy to 60 credits and only 16 credits may be used to fulfill 400 level coursework.
2. CPL Portfolio-based credit may only be awarded for content which applies to the student's degree program. Approved CPL will appear on a student's transcript.
3. CPL credit may not be applied to fulfill the University's residency requirement.
4. CPL credit may not be used to satisfy the General Education Requirements of the University.

CPL Portfolio Guidelines:

1. Portfolios must be submitted to the Dean of the College or School responsible for the content review by the 12th Friday of the semester (two weeks before final examinations) during the academic year, or by the 2nd Friday in July for the summer semester. Students are not eligible to submit a CPL Portfolio in their anticipated term of completion (e.g. graduation term).

2. Credit will be granted for college-level learning and only for courses required for LSSU degrees.
3. Credit for any specific instance of prior learning can only be awarded once (e.g. credit for knowledge gained in mathematics cannot be awarded once through CLEP then again petitioned through a CPL Portfolio or transfer credit). All CPL Portfolio requests must be submitted at one time to facilitate coordination of credit awarded, and separate portfolios must be submitted to each School for all credits which the student seeks to have evaluated within the school.
4. The CPL Portfolio may be used to award credit for specific LSSU courses or for general elective credit applicable to the degree program. The amount of credit to be allowed through portfolio evaluation identification of specific courses for substitution, if any, and the fulfillment of graduation requirement, if any, is determined by the Dean of the appropriate school under advisement of the school faculty.
5. While the School of Arts and Letters faculty provide general guidance and assistance, it is each student's responsibility to complete a narrative and a portfolio of documentation, which will be the basis for awarding credit.
6. To assist students interested in developing a portfolio for this purpose, the University may provide an elective portfolio course (e.g. USEM201 Prior Learning Portfolio Development).
7. CPL Portfolios will be evaluated on the alignment of learning evidenced with the specific course's or program's learning outcomes. Elements in the portfolio may include documentations of leadership and community service experiences, professional work experiences, creative contributions to society, and completion of professional training.
8. CPL Portfolios will be evaluated by faculty qualified to teach the course(s) for which the portfolio has been submitted.
9. Credit under this program cannot be obtained for learning when proficiency exams are required by the appropriate department.
10. Formal CPL Portfolio review to evaluate for credit requires an initial \$50 processing fee for each CPL Portfolio submitted using the [CPL Portfolio Review Form](#). If approval is received, the student will be required to pay an additional \$75 per awarded credit.

Grade Appeal Policy

Lake Superior State University has established procedures for students to appeal the final course grade. The only concerns that may be grounds for an appeal are the grades, and the consistent application of class requirements and policies as they pertain to grades. As with other concerns, a student may also want to consult with the Student Ombudsman, www.lssu.edu/ombudsman, to discuss the matter.

A student who has concerns regarding a final course grade may take the following steps:

1. Contact the course instructor and discuss the concern(s). This will serve as an informal review and an opportunity for open dialog regarding the concern(s).
2. If the informal review does not lead to a satisfactory resolution the student may choose to file a formal appeal. The appeal must be filed with the course

instructor within 20 university working days of the posting of the final grade, with copies of the appeal documentation provided to the School Chair. The course instructor shall respond to the appeal in writing to the student and Chair within five (5) university working days upon receipt of the appeal. The appeal shall include:

- The [Grade Appeal Record of Action Form](#)
 - Statement of Appeal: this should be brief and specific
 - Justification: reasons for lodging the appeal should be presented with supporting evidence (all documentation must be provided at this point)
 - Remedy: a specific remedy should be cited.
3. If the School Chair's response does not lead to a satisfactory resolution the student may, within three (3) university working days of receipt of the response, request formal review of the appeal by the Dean of the College/School. The student shall deliver the appeal documentation to the Dean who shall respond in writing to the student, the course instructor, the Chair, and the Provost within five (5) university working days upon receipt.
 4. If the appeal timelines stated above are not met by the student the appeal is considered closed and no further action is required. If the appeal timelines stated above are not met by the university personnel the appeal can be advanced by the student to the next step. The Provost may grant an extension in time at any step due to extenuating circumstances; such extensions will be documented on the Grade Appeal Record of Action.
 5. If steps 1-4 do not lead to a resolution of the concern the student may petition the Provost, within three (3) university working days of receipt of the Dean's response, to convene an ad hoc Grade Review Board for a formal hearing of the appeal. The student shall deliver to the Office of the Provost the completed Grade Appeal Record of Action and all documentation required as evidence to the appeal.

The members of the Grade Review Board, appointed by the Provost or his/her designee, shall include a Dean of a college other than that in which the course is housed, two faculty members from schools other than that of the course, and two students of junior or senior standing. Copies of all documentation will be provided to members of the Grade Review Board, the professor and the student. No new documentation will be introduced at the Hearing. The Provost or his/her designee will convene the Grade Review Board Hearing and may participate in deliberations; however, he/she will not cast a vote should there be dispute in determining recommendations.

At the Grade Review Board Hearing, the student shall present his/her argument, followed by the professor's response. The Board shall promptly prepare a written recommendation and forward copies to all parties involved, including the student, course instructor, Chairperson, Dean, and Provost. The report shall include dissenting opinions on the Board, if any. Recommendations of the Board are advisory to the Provost, who will make a final determination. Records of each case heard by the Board shall be maintained in the office of the Provost.

General Information:

A university working day (UWD) refers to those days when the university is in normal operation, and university offices are open for business.

"Receipt" refers to the day upon which the appropriate document(s) are officially initialed by the person(s) designated.

The Provost may establish appropriate and reasonable extensions of time in cases where the student is not actively enrolled in the current semester, or where the course instructor is not assigned teaching duties for the current semester.

Undergraduate Academic Standing

Full- and Part-Time Students Academic Probation and Dismissal Policy

For Undergraduate Coursework

Effective Summer 2005

Cumulative GPA Hours Carried at LSSU	Minimum for Good Standing*	On Probation	Dismissal
1 - 18.9	2.00	less than 2.00	two consecutive semesters on probation
19 - or more	2.00	less than 2.00	two consecutive semesters on probation or 1.60 or less gpa

You will be dismissed for academic deficiencies if you are on probation for two consecutive semesters at Lake Superior State University. If your cumulative GPA Hours (as shown on your transcript) are 19 or more and your grade point average is 1.60 or less, you will be dismissed. GPA Hours are those used in figuring your grade point average. Classes not at the 100-level or above are not counted in the GPA Hours. Classes with grades of CR/NC are not counted in the GPA Hours.

*A cumulative grade point average of 2.00 for all credits carried at Lake Superior State University and a cumulative grade point average of 2.00 for all courses required in your major, minor and general education is necessary for graduation (effective fall 2007).

1. You will be on academic probation if your cumulative grade point average falls below 2.00. Academic Probation limits you to 15 credits. You must contact your advisor to adjust your schedule before classes start for the next semester.
2. If you are on probation for two consecutive semesters (summer semester included if you are enrolled in summer classes), you will be academically dismissed or, if your cumulative GPA Hours are 19 or more and your grade point average is 1.60 or less, you will be academically dismissed. Your classes for the next semester(s) will be deleted.
3. After a first or second dismissal you may choose one of the following options:
 1. Allow two semesters (summer may be counted for one semester) to elapse before re-enrollment,

or
 2. Petition the Scholastic Standards Committee for immediate readmission should extenuating circumstances exist. This action is initiated with the Chair of the Scholastic Standards Committee. The Committee can either permit early readmission with specific conditions required of you or deny your request. Subsequent to the Committee's denial, you can further appeal in writing to the Provost, whose decision is final.

4. If you continue after a dismissal, you will be dismissed again after any semester in which your cumulative grade point average falls below a 2.00. The Registrar may allow you to continue "on probation," with the record showing "on probation" instead of "academic dismissal" if your record has shown improvement during the semester and you have a 2.00 grade point average in courses carried for that semester.
5. If you are dismissed a third time, you will not be reinstated without the permission of the Provost. Three semesters must elapse from the time of dismissal before you may petition for readmission. Summer may be counted for one semester.
6. The Scholastic Standards Committee may dismiss you from the university for demonstrated academic dishonesty.

Graduate Academic Standing

Full- and Part-Time Students Academic Probation and Dismissal Policy

For Graduate Level Coursework

Effective Summer 2011

A cumulative grade point average of 3.00 for all graduate credits carried at Lake Superior State University and a minimum grade of B for each course, including courses transferred into the program, are required for graduation.

1. You will be on academic probation if your cumulative grade point average falls below 3.00. Academic Probation limits you to six (6) credits. You must contact your advisor to adjust your schedule before classes start for the next semester.
2. If you are on probation for more than two consecutive semesters (summer semester included if you are enrolled in summer classes), you will be academically dismissed. Your classes for the next semester will be deleted.
3. After a first or second dismissal you may choose one of the following options:
 1. Allow two semesters (summer may be counted for one semester) to elapse before re-enrollment,

OR

 2. Petition the Scholastic Standards Committee for immediate readmission should extenuating circumstances exist. The Committee can either permit early readmission with specific conditions required of you or deny your request. Subsequent to the Committee's denial, you can further appeal to the Provost, whose decision is final.
4. If you continue after a dismissal, you will be dismissed again after any semester in which your cumulative grade point falls below a 3.00. The Registrar may allow you to continue "on probation," with the record showing "on probation" instead of "academic dismissal" if your record has shown improvement during the semester and you have a 3.00 grade point average in courses carried for that semester.
5. If you are dismissed a third time, you will not be reinstated without the permission of the Provost. Three semesters must elapse from the time of dismissal before you may petition the Provost for readmission. Summer may

be counted for one semester.

6. The Scholastic Standards Committee may dismiss you from the university for demonstrated academic dishonesty.

Cheating and Plagiarism: Academic Integrity

Academic integrity is a key component of the core values of Lake Superior State University. All members of the University community are expected to be honorable and ethical and observe standards of conduct appropriate to a community of scholars. Students are expected to behave in an ethical manner. The University community will not tolerate academic dishonesty as such behavior will cause harm to the reputation of students, faculty, and graduates of the institution. Such dishonorable behavior includes, but is not limited to, cheating, fabrication, plagiarism, and obtaining an unfair advantage. These terms are defined below:

Cheating

Cheating is defined as using or attempting to use unauthorized materials or information of any kind during an exam or graded assignment of any kind. Using notes, texts, help from individuals, or copying information from another individual's exam, or by using electronic or any other means constitutes cheating unless such resources are EXPLICITLY allowed by the instructor.

Fabrication

Fabrication is any unauthorized falsification, invention, or copying of data, falsification of information, citations, or bibliographic references in any academic work. It also includes falsifying any academic record or other University document.

Plagiarism

Plagiarism is representing someone else's work as one's own. Failing to cite references or presenting material, verbatim or paraphrased, that is not acknowledged and cited also constitutes plagiarism.

Obtaining an Unfair Advantage

Academic integrity is violated when one obtains an unfair advantage by stealing, reproducing, circulating, or otherwise gaining access to examination materials before they are distributed by the instructor. Also prohibited are stealing, destroying, defacing, or concealing library materials with the purpose of depriving others of their use.

Possible Sanctions for Offenses

It is in the best interest of the University community to sanction any individual who chooses not to accept the principles of academic honesty by engaging in the above acts. Appropriate sanctions may include failure of an assignment or exam, failure of a course, or dismissal from the University.

Faculty and University Responsibilities

Unless the faculty member has explicitly specified otherwise, students are to assume that exams are individual, closed book, and without the use of notes or similar reference materials. Unless specifically allowed by the faculty member, papers, projects, and similar products are expected to be the original individual work of the student. If notes, texts, other reference materials, group work or similar activities are to be allowed, the faculty member will specify what is permitted for a

particular assignment or exam prior to disseminating the assignment or exam.

A faculty member who observes a violation in one or more of the above areas shall meet with the student to address the violation. If, in the judgment of the faculty member, academic integrity has been violated, the faculty member will impose the appropriate sanction, either a failure for the assignment or exam, or failure for the course. The faculty member will then file an Academic Integrity Incident Report with the department chair, dean, the Provost's Office, and the office of Student Affairs. This report will be kept in the Provost's Office as well as in the office of the Vice President of Student Affairs for a period of five years. A copy of this report will also be placed in the student's advising file. Academic Departments or Schools may have additional policies and procedures that could provide further recommendations to the Provost's Office when instances of academic dishonesty are suspected. This policy is also applicable in the Testing Center.

In cases of egregious or repeated violations, it may be determined by the faculty member, his/her department chair, or dean, that dismissal from the University is warranted. In this case, the chair of the Scholastic Standards Committee and the student will be notified. The Scholastic Standards Committee will then conduct a hearing in which the student is granted due process. If the committee decides that dismissal from the university is warranted, the student will have five school days to appeal the decision to the Provost of the University. The Provost may either affirm the decision to dismiss, or reinstate the student and provide a rationale for doing so.

Theft

Everyone is expected to show respect for University and individual property. Theft of any kind, whether of money, property, or services, violates the entire community and will not be tolerated. Destruction or mutilation of books, magazines, or other library material is considered a form of theft. Theft, damage or destruction of University property, or the property of others, is considered a serious offense against the University community and may result in penalties including the issuance of fines, removal from the campus, dismissal from the University, and/or criminal prosecution. If you have anything stolen while on University property, please notify the Public Safety Department by calling 635-2210 as soon as possible.

Family Educational Rights and Privacy Act (FERPA)

Section 438 of the General Education Provisions Act, as amended, sets forth the requirements to be met by an educational institution to protect the privacy of students. This act is called the Family Educational Rights and Privacy Act and shall be referred to hereafter the Act. The Act generally governs access to student educational records and the release of such records. The Act also requires that institutions of higher education must provide students access to official records directly related to the student and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading or inappropriate. Educational institutions must also obtain written consent before releasing personally identifiable data about students from records to other than a specified list of exceptions. In addition, students must be notified of these rights.

In accordance with provisions of the Act and the regulations enacted by the U.S. Department of Education, Lake Superior State University has adopted the following policies and procedures:

Section 1. General Policy on Access and Disclosure

Lake Superior State University shall not as a matter of policy or practice:

1. Deny or prevent students at the University the right to inspect or review the

educational records of such students,

or

2. Permit the release of educational records contrary to the provisions of the Family Educational Rights and Privacy Act and the policies and procedures set forth in the following sections.

Section 2. Notification to Students

Under the provisions of the Act, the University must [annually notify students](#) of their rights and the institution policies pertaining to the Act. In addition, notice must be given to the location where the policy can be obtained as well as to inform the students of the right to file complaints with the U.S. Department of Education concerning alleged failures by the University to comply with the Act. In accordance with these requirements the annual notice regarding students' rights, the location of copies of the University's policies setting forth these rights, as well as the right to file complaints with the Family Educational Rights and Privacy Act Office, shall be published in the University Catalog. The annual letter to students will notify students of directory information.

The registrar is the hearing officer for the Act and is responsible for implementing the notification requirements and the distribution of copies of the policies and procedures.

Section 3. Education Records Defined

"Education records" means those records which:

1. Directly relate to a student or
2. Are maintained by the University or its agent.

The term does not include:

1. Records of institutional, supervisory, and administrative personnel which:
 1. are in the sole possession of the maker thereof, and
 2. are not accessible or revealed to any other individual except a substitute.

A *substitute* is defined as one who performs, on a temporary basis, the duties of the individual who made the record. It does not refer to an individual who permanently succeeds the maker of the record in his or her position.

2. Records of the law enforcement unit of the University (Security Department) which are:
 1. maintained apart from the University's educational records;
 2. maintained solely for law enforcement purposes; and
 3. not disclosed to individuals other than law enforcement officials of the same jurisdiction, provided that educational records maintained by the University are not disclosed to the personnel of the law enforcement unit.
3. Records relating to an individual who is employed by the University which:
 1. are made and maintained in the normal course of business;
 2. relate exclusively to the individual in that individual's capacity as an employee; and
 3. are not available for use for any other purpose.
 4. This paragraph (3) does not apply to records relating to an individual in attendance at the University who is employed as a result of his or her

status as a student.

4. Records relating to an eligible student which are:
 1. created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting in a professional or paraprofessional capacity, or assisting in that capacity;
 2. created, maintained, or used only in connection with the provision of treatment to the student; and
 3. not disclosed to anyone other than individuals providing the treatment; provided, that the records can be personally reviewed by a physician or other appropriate paraprofessional of the student's choice. For the purpose of this definition, "treatment" does not include remedial educational activities or activities which are part of programs of instruction at the university.
5. Records of the university which contain only information relating to a person after that person is no longer a student at the University. An example of these records would be information collected by the University pertaining to the accomplishments of its alumni.

Section 4. Rights to Inspect and Review Education Records

A student who is enrolled at or has attended Lake Superior State University has the right to inspect and review his/her educational records subject to the limitations set forth in Section 3 and 13.

The educational record recorded by the student will be provided within a reasonable period of time defined by availability of staff time and the records. Records will be provided no more than 45 days after the request is made.

The right to review educational records includes the right to a response from Lake Superior State University to reasonable requests for explanation and interpretations of the subject record.

Section 5. Procedures for Inspection and Review of Records

A written request for the inspection is required for review of educational records or release of records, where permitted, to third parties. See Section 10A for release of records to third parties. The request must be submitted to the appropriate officer. See Section 7 for list of officials maintaining educational records.

The written request under this section must contain:

1. A description of the information requested,
2. The date, if any, that the information is required,
3. The student's signature, and
4. The date the request is filed.

Section 6. Copies of Records: Fees for Copies

Copies of educational records will be provided under the Act under the following conditions:

1. Where failure to provide a copy would effectively prevent a student from exercising the right to inspect and review the educational record. (Examples of when this provision would be effective would be absence from the state or a confining illness.) If the student will return to the residence occupied while attending the University or be within 30 miles of campus and is not physically

incapacitated during the 45-day compliance period, copies shall not be provided but the right of inspection may be exercised. Under this provision, a written request is required (see Section 10A) specifying the record to be disclosed and the reason that a personal inspection of the record cannot be made during the 45-day compliance period. Requests are reviewed on a case-by-case basis to determine if copies are required as opposed to personal inspection.

2. On request, under the provisions of Section 10B regarding records to officials of another educational institution in which the student is enrolled or seeks or intends to enroll.
3. On request, or with the consent of the student, under the provisions of Section 10A, regarding information released with the approval of the University to third parties. The University shall not charge a fee for copies of records provided under the Act. There is not a charge for search, retrieval or inspection of the record. Copies of records provided under these provisions do not carry the University seal or official signature of approval.

Section 7. Listing of Location of Education Records

The following is a list of the records considered educational in nature under the Act and their locations listed by Office, Type of Record, Responsible Official, and Location.

- Admissions; Academic file, Financial; Director of Admissions; Hillside House
- Career Advising and Placement; Academic, Personal, evaluations; Director; Library
- Continuing Education; Academic; Director; Library
- Human Resources; Work Evaluation, Employment; Director; Administration Building
- Financial Aid; Financial, Academic, Personal evaluation, Employment; Director; Fletcher Center
- Graduate Office; Academic, Financial; Coordinator; Crawford Hall
- Registrar's Office; Academic (complete and official academic record), Personal, Veterans Affairs; Registrar; Fletcher Center
- Residence Halls; Personal; Housing Manager; Cisler Center
- Residence Halls and Student Life; Discipline; Director for Student Programs and Services; Cisler Center
- Student Accounts; Financial; Director Business Operation; Fletcher Center
- Academic Areas, Academic; School/Department Chairs.

Note: All academic records are partial records with the exception of the Registrar's Office as noted above.

Section 8. Disclosure of Restricted Information to University Officials

Personally identifiable information from the education records of a student may be disclosed without the prior consent of the student to University officials who have a legitimate educational interest in the information. The University officials must demonstrate a need to obtain the information consistent with their official functions and the request must be consistent with normal professional practices and legal requirements.

The disclosure of personally identifiable student information under the above conditions will not be disclosed to any other party without the prior written consent of the student, except that such information may be used by the appropriate officials or agents of the University for the purpose for which the disclosure was made.

Section 9. University Officials

For the purpose of these procedures and policies, University officials are those individuals who have demonstrated a need for access to student records consistent with official University responsibilities and professional practices.

University officials include: Members of the faculty, professional, executive and administrative staff, including the Public Safety Department, departmental secretaries, student employees who manage student education record information, students properly appointed as members of a hearing panel or screening committee, representatives of the State Auditor General when performing their legally required duties, legal, insurance, or collection representatives of the University when performing their university-related duties requiring student record information concerning a claim or legal matter.

Section 10. Disclosure of Personally Identifiable Information

A. Prior Consent for Disclosure Required

The University shall obtain the written consent of the student before disclosing personally identifiable information from their education records to third parties other than directory information. Consent is not required where the disclosure is to the student.

If the University consents to the release of personally identifiable student information to third parties under this section (10A) at the written request of the student, the University will also provide the student with a copy.

The written consent required under this section (10A) must be signed and dated by the student and shall include:

1. A specification of the record to be disclosed.
2. The purpose of the disclosure.
3. The party or class of parties to whom disclosure may be made.
4. A statement granting consent for the release of the information.

B. Prior Consent for Disclosure Not Required

The University may transfer or disclose the educational records of a student, without prior written consent, on request to the officials of another educational institution in which the student is enrolled or intends to enroll.

The University, upon request, will provide the student with a copy of the transferred educational records.

Information from the educational records of a student may be disclosed, without prior written consent, if the disclosure is:

1. To federal and state authorities as provided by the Act or other legal authority.
2. In connection with financial aid for which a student has applied or received; provided that the information may be disclosed only:
 1. to determine the eligibility for financial aid,
 2. to determine the amount of aid
 3. to determine the conditions that will be imposed regarding financial aid, or
 4. to enforce the terms or conditions of the financial aid.

3. To organizations conducting studies on behalf of educational agencies or institutions for developing, validating, or administering predictive tests, administering student aid programs; and improving instruction; provided that the studies are conducted in a manner which does not permit personal identification of students by persons other than the representatives of the organization. The information must be destroyed when it is no longer needed for the purpose for which the study was conducted.
4. To accrediting organizations in order to carry out their accrediting functions.
5. To comply with a judicial order or lawfully issued subpoena; provided that Lake Superior State University will make a reasonable effort to notify the student of the order or subpoena in advance of compliance.
6. To appropriate parties in an emergency to protect the health or safety of the student or other individuals.

Section 11. Directory Information

Family Educational Rights and Privacy Act permits the disclosure of certain personally identifiable information from the educational record of a student if that information is designated as directory information as defined by the Act.

In order to release such information the University is required to provide public notice of the following:

1. The categories of personally identifiable information designated as directory information.
2. The right of the student to refuse to permit the designation of any or all of the categories with respect to that student.
3. The time which the student must inform the University in writing that such directory information is not to be released.

In compliance with these provisions, the University will announce its intention to release directory information each fall in the annual letter. Written requests to prohibit or restrict the use of directory information should be addressed by the last day of the add/drop period to the Registrar's Office.

The University considers the following as directory information: name, address, telephone number, place of birth, e-mail address, enrollment status (e.g., undergraduate or graduate, full time or part time) major field of study, dates of attendance, degrees, honors and awards received, including scholarships, most recent previous educational agency or institution attended by student, participation in officially recognized activities and sports, and height and weight of members of the athletic teams.

In the event that this list is altered or expanded, these provisions will be amended in accordance with the Act.

Section 12. Record of Disclosures Required to be Maintained

Lake Superior State University shall for each request and disclosure of personally identifiable information from a student's education records maintain a register within that file of the education records which indicates:

1. The parties who have requested or obtained information.
2. The legitimate educational interests the parties have in obtaining the information.

A record is not required for disclosures to a student, disclosures pursuant to the

student's written consent when consent is specific to the party or parties, disclosures to University officials as set forth in Section 9, or disclosures of directory information as provided in Section 11.

The record of disclosures may be inspected by: the student, University officials and assistants responsible for the custody of the records, and university officials authorized in Section 9 and persons outside the University as authorized in Section 10 for the purpose of auditing the record keeping procedures of the institution.

Section 13. Limitation on the Right to Inspect and Review Records

The University is not required to permit a student to inspect or review the following records:

1. Financial records and statements of parents or any information contained therein.
2. Confidential letters and statements of recommendation placed in the student record prior to January 1, 1975; provided that such letters and statements were solicited with written assurance of confidentiality or sent and retained with a documented understanding of confidentiality. The documents must be used only for the purposes specifically intended.
3. Confidential letters and statements of recommendation and statements for which the student has waived the right to inspection as set forth in Section 16 and placed in a student's file after January 1, 1975 respecting:
 1. admission, or
 2. application for employment, or
 3. receipt of an honor or honorary recognition.
4. Those records which are defined not to be education records as set forth in Section 3

If the educational record of a student contains information on more than one student, the requesting student may review or inspect or be informed of only the specified information which pertains to the student making the inquiry.

Section 14. Request to Amend Educational Records

A student who believes information in the student's educational records is inaccurate, misleading or violates the privacy or other rights of the student may request the University amend such records.

The procedures regarding amendment to a student record are:

1. Submission of a written request to amend the record in question to the University office responsible for the content of the record.
2. A written request specifying the information to be amended and the basis for requesting a change in the record.
3. The written request should also suggest the recommended corrective action.
4. The University official responsible for establishing the content of the record in question within 14 calendar days will inform, in writing, the student that the record will be amended or the request is denied. If additional time is required to make a decision, the student will be advised of that period required.
5. Amendments and corrections will be completed within 14 calendar days of the date of notice to the students.
6. If the University official responsible for establishing the content of the educational record denies the request to amend the record, the written notice of this decision will advise the student of the right to a hearing.

Section 15. Right to a Hearing

The Act provides an opportunity for a hearing to challenge the content of a student's educational record to insure that the record does not contain inaccurate or misleading information or violates the privacy or other rights of the student. This procedure can not be used to challenge grades. The following procedure defines the process after the decision of denial.

Procedure of Hearing

A student desiring a hearing on a denial to amend the record by the official establishing such records must:

1. Submit a written request for a hearing to the hearing officer and the registrar.
2. Designate in the request: the student's name and identification number, date of request, specific information on the record challenged, basis for amending record, summary statement of previous action taken to amend record including names of individuals contacted and from whom communications have been received.

The hearing officer will, within seven calendar days of receipt of the request for hearing, notify the student of the hearing date, time and location. At least 72 hours notice prior to the hearing will be provided to involved parties.

A full and fair opportunity is available to present evidence relevant to the question of whether the record in question is inaccurate, misleading or in violation of the privacy or other rights of the students.

The student may be assisted or represented by any individual and expense including an attorney.

The hearing officer will render a decision on the appeal within seven calendar days of hearing's conclusion. The decision shall be in writing and based solely upon the evidence presented at the hearing. The written decision to the student shall include a summary of the evidence and reasons for the decision.

If, as a result of the hearing, the hearing officer rules the information is inaccurate, misleading or in violation of any of the student's rights, the record in question will be amended within seven calendar days of the decision.

If, as a result of the hearing, the hearing officer determines that the record should not be amended, the student shall be informed of the right to place in the education record a statement commenting upon the information and setting forth the reasons for disagreeing with the University's decision.

Any explanation placed in the record of the student under this provision shall:

1. Be maintained as a part of the record as long as the record or the contested portion thereof is retained by the University, and
2. Be disclosed by the University, along with the contested record to any party receiving such record.

Section 16. Waivers

A student may waive any right under the Act. The waiver shall not be valid unless it is in writing and signed by the student. The University may not require that a student waive any right under the Act. This requirement does not preclude the University from requesting such a waiver.

An applicant for admission or a student in attendance may waive the right to inspect and review confidential letters and statements of recommendation. The waiver applies to letters or statements only if it is in writing and designated by the student and if:

1. The applicant or student is notified of the names of those providing letters or statements.
2. The documents are used only for the purpose intended.
3. The waiver is not required as a condition of admission or receipt of any service or benefit from the University.

A waiver may be revoked, but that action must be in writing and filed with the office in possession of the waiver.

Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by Lake Superior State University to comply with the requirements of FERPA. The name and the address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

Additional Information

Lake Superior State University complies with Section 113 of the Carl D. Perkins Vocational and Technical Education Act and Section 122 of the Workforce Investment Act of 1998. LSSU uses the student's SSN in order to compile required WIA and Perkins Act reports.

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Degree Requirements

Lake Superior State University offers bachelor (also called baccalaureate) degrees, associate degrees and certificates. These degrees are offered in a wide variety of academic programs. Each academic department has a set of specific courses and other requirements for each of its degree programs. However, some requirements are of a general nature, applying to all such degrees. These are discussed below.

Bachelor degree: A minimum of 124 credits (at the 100 level or higher) is required for a bachelor degree. Some programs require more than this number of credits. Requirement categories are: general education, bachelor of arts (if applicable) and departmental. Some programs require support courses and/or a minor, and free electives.

Bachelor of Arts degree (8 credits): One year of a modern language other than English. If taken at LSSU, this would be CHIN151-CHIN152 or CHIN251-CHIN252; FREN151-FREN152 or FREN251-FREN252; or SPAN161-SPAN162. One-half year of two different languages will not meet this requirement.

Associate degree: A minimum of 62 credits (at the 100 level or higher) is required for an associate degree. Some programs require more than this number of credits. Requirement categories are: general education and departmental. Some programs require support courses and free electives.

Certificate: A certificate may be comprised of a series of courses/experiences housed in one department, or a cluster of courses/experiences in a defined thematic area which are not confined to a single disciplinary area - referred to as a multidisciplinary certificate.

Minor: Academic minor programs are offered in a wide variety of disciplines. A minimum of 20 credits is required for a minor, with some minors requiring additional credits.

GPA: A minimum cumulative grade point average of 2.00 for all credits carried at Lake Superior State University **and** a minimum cumulative grade point average of 2.00 for all courses required in your major, minor and general education is necessary for graduation. Some degree programs may require a higher gpa.

Electives: Elective courses are chosen to obtain credit beyond that of specified requirements. Free electives refer to courses you may select completely of your own choice. Designated electives refer to courses selected from a list specified by the department.

Residency Requirements: On-campus and regional centers

Bachelor degree candidates must successfully complete at least 30 of the 124 credits earned for the degree using Lake Superior State University courses. Additionally, at least 50 percent of the departmentally required 300/400 level credits must be earned using Lake Superior State University courses.

Associate degree candidates must successfully complete at least 15 of the 62 credits earned for the degree using Lake Superior State University courses. Additionally, candidates must earn at least 50 percent of their departmentally required credits in courses offered by Lake Superior State University.

Certificate candidates must successfully complete at least 16 of their departmentally required credits in courses offered by Lake Superior State University.

Minor candidates must earn at least 10 of the departmentally required credits using Lake Superior State University courses.

Departmental residency requirements may exceed the residency of the University for certain degree programs.

Multiple Majors

You may earn more than one major by completing all requirements of each desired major program. Before graduation, you must file a Degree Audit approved by the school chair for each major. The double major must be granted as one combined degree such as: bachelor of science degree in accounting and business administration.

Multiple Degrees

If you desire to earn more than one degree, you must complete all program requirements of the additional degree(s) as certified by the school chair, comprising a minimum of 30 additional LSSU credits for each additional baccalaureate degree, or a minimum of 15 additional LSSU credits for each additional associate degree from Lake Superior State University.

There are no overlapping or additive residency requirements between the associate and baccalaureate degree tracks. The degrees stand alone. Earning an additional associate degree and a baccalaureate degree at the same time would require the completion of an additional minimum of 30 credits.

Additional degrees for graduates of other universities

Students who hold a baccalaureate degree at another U.S. accredited institution, and who desire a baccalaureate degree from LSSU, must complete all requirements of an approved degree schedule including at least 30 additional credits in courses offered by LSSU. The degree schedule must be approved by the major school chair and sent to the Registrar's Office. Transfer credits from other universities will be evaluated for those classes used for the new degree. You should initiate the approval process with the school chair at the time of or before commencing study toward the additional degree. The schedule elected shall consist mainly of minor, major and cognate courses.

Courses considered essential to the degree but not previously elected may, at the option of the school chair, be required even though the total may exceed 30 credits. Lake Superior State University general education requirements are considered complete if you earned a bachelor's degree at any United States accredited university or an honors bachelor's degree from an accredited Canadian university.

If you earned a bachelor's degree or associate's degree at another accredited institution and desire an associate's degree from Lake Superior State University, you must complete all requirements of an approved degree schedule including at least 15 additional credits in courses offered by LSSU. The degree schedule process is identical to that described above for an additional bachelor's degree. The schedule

elected shall consist mainly of major and cognate courses. Courses considered essential to the degree but not previously elected may, at the option of the school and college, be required even though the total may exceed 15 credits.

Failed Classes

If you fail a class required for your degree program, you must repeat the class and receive a passing grade. If the failed class is no longer offered because of program changes and/or course deletions, the dean may approve a substitution or waiver recommended by the academic chair. The chair must provide reasons for the recommendation on the substitution/waiver form which is sent to the dean's office.

Exceptions to Graduation Requirements

Exceptions to specific general education requirements may be granted only by the Scholastic Standards Committee. Such exceptions are infrequently made. A petition for exceptions to general education requirements is initiated with the Chair of the Scholastic Standards Committee.

Course substitutions and waivers of departmental degree program requirements may be granted only by the dean of the school or college offering the program (major or minor).

Normally, you will graduate under the program degree requirements in effect and published in the Catalog at the time you are admitted into the given degree program, provided enrollment at the University is continuous. If enrollment is interrupted, or if you select a new major, you must satisfy program requirements in effect at the time you re-enter or officially change to the new major. If program requirements are revised during your enrollment, you will be allowed to graduate under the new requirements providing you can meet such requirements in their entirety.

The University reserves the right to change the requirements for graduation at any time as a means of keeping pace with educational developments affecting the various curricula. As such changes are made, they may, at the discretion of the University, be applied to students already enrolled. In such cases, reasonable and prudent effort will be made to provide the benefit of the new educational program without imposing undue hardship.

Posthumous Degree Policy

A posthumous degree may be awarded in the name of a deceased student upon request of the student's family, if the deceased student had met the requirements as set forth below.

The deceased student will need to be in good academic standing with the University and have completed a majority of the requirements for the degree. The Chair of the school responsible for the student's degree program will make the recommendation to the Dean. The Dean will complete a degree audit and submit it to the Registrar who will complete a verification of the requirements, and submit the request to the Provost. If the Provost approves, the request will be submitted for Presidential approval, and final Board of Trustees approval.

The academic transcript will be marked: "Degree Granted Posthumously". A copy of the academic record will be released, if requested, to an attorney representing the estate of the deceased student.

Deceased students not meeting the above criteria may receive a "Certificate of Achievement" if requested by the family.

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General Education Mission Statement

In a diverse and changing world, college graduates must be prepared for a lifetime of learning in a variety of fields. In order to meet this challenge, general education requirements foster the development of general skills and knowledge that are further developed throughout the curriculum. LSSU graduates will be able to:

- Analyze, develop, and produce rhetorically complex texts
- Communicate competently in a variety of contexts (Communication Outcomes)
- Analyze, evaluate, and explain human aesthetics and its historical development (Humanities Outcomes)
- View the world from cultural perspectives other than their own (Diversity Outcomes)
- Incorporate empirical evidence in the analysis of the causes and consequences of natural phenomena (Natural Science Outcomes)
- Think critically and analytically about the causes and consequences of human behavior (Social Science Outcomes)
- Analyze situations symbolically and quantitatively in order to make decisions and solve problems (Mathematics Outcomes)

General Education Requirements (Bachelors Degree)

- Effective Fall Semester 2015 -

The first five bullets represent the LSSU General Education Core. The entire list constitutes the Lake Superior State University general education requirements for all BA/BS degrees offered. The [MTA](#) endorsement and the [LSSU-Wisconsin Bridge](#) agreement is equivalent to the first five bullets. The MACRAO agreement and the GCERT agreement satisfy all seven bullets. The general education requirements will be considered satisfied for students who have already earned a bachelors degree (honors bachelor degree from a Canadian University).

- **Oral and Written Communication (6 Credits Minimum)** [ENGL110](#) and either [ENGL111](#) or ([COMM101](#), [COMM201](#) or [COMM225](#))
- **Mathematics (3 Credits Minimum)** One course in Mathematics ([MATH110](#) or higher)
- **Social Science (6 Credits Minimum)** Two courses from different disciplines. Pick one course from any two disciplines:

Business Discipline: [BUSN121](#)
Economics Discipline: [ECON201](#), [ECON202](#), [ECON302](#), ECGE100
Geography Discipline: [GEOG201](#), [GEOG302](#), GGGE100
History Discipline: [HIST101](#), [HIST102](#), [HIST131](#), [HIST132](#), HSGE100
Political Science Discipline: [POLI110](#), [POLI160](#), [POLI241](#), PSGE100
Psychology Discipline: [PSYC101](#), [PSYC155](#), PYGE100
Sociology Discipline: [SOCY101](#), [SOCY102](#), [SOCY113](#), SOGE100.

- **Natural Sciences (7 Credits Minimum)** Two courses from different disciplines - one with a lab. Pick one course from any two disciplines (including interdisciplinary), or pick two from interdisciplinary:

Biology Discipline: [BIOL104](#), [BIOL105](#), [BIOL122](#), [BIOL131](#)
Chemistry Discipline: [CHEM108](#) and [CHEM109](#), [CHEM110](#), [CHEM115](#), [CHEM116](#), [NSCI110](#)
Geology/Geography Discipline: [GEOL115](#), [GEOL121](#), [GEOL122](#), [GEOG106](#), [NSCI102](#)
Physics Discipline: [PHYS221](#), [PHYS231](#), [NSCI101](#)
Interdisciplinary: [NSCI103](#) and [NSCI104](#), [NSCI116](#), [NSCI119](#), [GEOG108](#), NSGE100*

*Two NSGE100 courses may be used if the reviewing dean determines that two or more disciplines are represented.

- **Humanities (6 Credits Minimum)** Two courses from different disciplines. Pick one course from any two disciplines (including interdisciplinary), or pick two from interdisciplinary:

Arts Discipline: [ARTS250](#), [ARTS251](#), [HUMN240](#)
Culture Discipline: [ENGL180](#) (effective Summer 2015), [HUMN203](#)
Music Discipline: [MUSC220](#), [MUSC221](#)
Mythology Discipline: [HUMN255](#)
Philosophy Discipline: [PHIL302](#), [PHIL305](#)
Language Discipline: Second year (6-8 credits) of a foreign language (e.g. [SPAN261](#) and [SPAN262](#) may be used as one course)
Interdisciplinary: [HUMN251](#), [HUMN252](#), HUGE100*

*Two HUGE100 courses may be used if the reviewing dean determines that two or more disciplines are represented.

- **Oral and Written Communication (3 Credits Minimum)** One additional course in ENGL ([ENGL111](#)) or COMM ([COMM101](#), [COMM201](#) or [COMM225](#)) to total at least one year of composition and one semester of communication.

- **Cultural Diversity (3 Credits Minimum)** from:

[BUSN308](#), [EDUC250](#), [ENGL235](#) (effective Summer 2015), [ENGL236](#) (effective Summer 2015), [GEOG306](#), [HIST203](#), [HLTH328](#), [POLI234](#), [POLI334](#), SDGE100, [SOCY103](#), [SOCY213](#), [SOCY225](#), [SOCY321](#).

Total Credits Required: 34 - 36

General Education Requirements (Bachelors Degree)

- Effective Through Summer Semester 2015 -

Communication Skills

- [ENGL110](#), [ENGL111](#), [COMM101](#)

Humanities (Minimum 7 credits)

- [HUMN251](#)
- *One class from:* [ARTS250](#), [ARTS251](#), [ENGL180](#) (effective Summer 2015), [HUGE100](#), [HUMN203](#), [HUMN240](#), [HUMN252](#), [HUMN255](#), [MUSC220](#), [MUSC221](#), [NATV240](#), [PHIL302](#), [PHIL305](#) or six to eight credits from second year of foreign language.

Mathematics (Minimum 3 credits)

- [MATH110](#) or higher or [PHIL205](#)

Natural Science (Minimum 7 credits)

- *Complete two natural science courses from:* [BIOL104](#), [BIOL105](#), [BIOL122](#), [BIOL131](#), [CHEM108](#) and [CHEM109](#), [CHEM110](#), [CHEM115](#), [CHEM116](#), [GEOG106](#), [GEOG108](#), [GEOL115](#), [GEOL121](#), [GEOL122](#), [NSGE100](#), [NSCI101](#), [NSCI102](#), [NSCI103](#) and [NSCI104](#), [NSCI110](#), [NSCI116](#), [NSCI119](#), [PHYS221](#), [PHYS231](#).

Social Science (Minimum 6 credits)

- *Choose two courses from different disciplines (Subjects):* [BUSN121](#), [ECGE100](#), [ECON201](#), [ECON202](#), [ECON208](#), [ECON209](#), [ECON302](#), [GGGE100](#), [GEOG201](#), [GEOG302](#), [HIST101](#), [HIST102](#), [HIST131](#), [HIST132](#), [HSGE100](#), [POLI110](#), [POLI160](#), [POLI241](#), [PSGE100](#), [PSYC101](#), [PSYC155](#), [PYGE100](#), [SOCY101](#), [SOCY102](#), [SOCY113](#), [SOG100](#).

Diversity (Minimum 3 credits)

- *Select one course from:* [BUSN308](#), [EDUC250](#), [ENGL235](#) (effective Summer 2015), [ENGL236](#) (effective Summer 2015), [GEOG306](#), [HIST203](#), [HLTH328](#), [NATV225](#), [POLI234](#), [POLI334](#), [SDGE100](#), [SOCY103](#), [SOCY213](#), [SOCY225](#), [SOCY226](#), [SOCY321](#).

Total Credits Required: 35

General Education Requirements (Associates Degree)

- Effective Spring Semester 2014 -

Communication Skills

- [ENGL110](#), [ENGL111](#), [COMM101](#)

Mathematics (Minimum 3 credits)

- [MATH110](#) or higher or [PHIL205](#)

12 additional General Education credits are required (chosen from at least two of the following categories listed above: Humanities, Natural Science, Social Science, or Diversity)

Total Credits Required: 24

General Education Requirements (Associates Degree)

- Effective Through Fall Semester 2013 -

Communication Skills

- [ENGL110](#), [ENGL111](#), [COMM101](#)

Mathematics (Minimum 3 credits)

- [MATH110](#) or higher or [PHIL205](#)

6 additional General Education credits are required (chosen from the Humanities, Mathematics, Natural Science, Social Science, or Diversity categories listed above).

Total Credits Required: 18

General Education Requirements (Associate of Applied Science Degree)

- Effective Spring Semester 2014 -

Communication Skills

- [ENGL110](#)
- [ENGL111](#) or [COMM101](#)

Mathematics (Minimum 3 credits)

- [MATH102](#) or higher or [PHIL205](#)

6 additional General Education credits are required (chosen from the following categories listed above: Communication Skills, Humanities, Mathematics, Natural Science, Social Science, or Diversity).

Total Credits Required: 15

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Two semesters prior to intended graduation, students must submit the following to the Registrar's Office:

Graduation Application: Students must complete a [Graduation Application](#) for each degree or certificate they plan to receive.

Official Degree Audit: The official Degree Audit for a student's major or minor specifies all required courses that have been or must be completed. The audit must be signed by the chair of the school or department offering the major or minor program. Course substitutions and waivers of departmental degree program requirements may be granted only by the chair and approved by the dean of the college offering the major or minor program. Course substitutions and waivers for education majors or minors must also have approval from the School of Education.

Exceptions to specific general education requirements may be granted only by the Scholastic Standards Committee. Such exceptions are infrequently made. A petition for exceptions to general education requirements is initiated with the Chair of Scholastic Standards.

The Registrar's Office will verify the students' Degree Audits and will send a Degree Audit Verification Form to each student and respective department. Students are responsible for examining this verification form and requesting clarification of anything that is not consistent with their records or understanding.

A final degree audit verification will be completed after grades are received at the end of the semester, for students planning to graduate as of that semester. The degree will be awarded if all requirements have been satisfied. Names of graduates are then sent to the president for approval by the Board of Trustees. Subsequently, a diploma is provided to each student.

Please Note: Students are **not** eligible to receive a degree or certificate with an "I" (incomplete) grade on their academic record.

Diploma charge: There is no charge for the first diploma from the University. A fee is charged for [replacement diplomas](#).

Students completing graduation requirements in the fall, spring or summer semester who need documentation of degree completion before their diploma is available, may request a letter from the Registrar's Office certifying that they have completed degree requirements.

Graduation with honors: Honors graduates must earn at least 30 credits at Lake Superior State University.

Cum Laude: Cumulative gpa of 3.50 to 3.69

Magna Cum Laude: Cumulative gpa of 3.70 to 3.89

Summa Cum Laude: Cumulative gpa of 3.90 to 4.00

Graduation diplomas with honors will be awarded to baccalaureate, associate, and certificate recipients. Honors medallions will be awarded to baccalaureate, associate and certificate recipients who graduate summa cum laude.

For the commencement ceremony and program, honors status will be determined based on the Fall Semester cumulative gpa. Official graduation with honors status will be granted based on students' final cumulative gpa at LSSU.

Honors Degree

The University Honors Program offers highly motivated students the opportunity to develop their abilities and skills in exciting and innovative ways. The central goal of the University honors program is to create a community of scholars characterized by strong student-faculty interaction around the world of ideas. The honors program fosters an approach to education that incorporates the qualities of active participation, intellectual curiosity and an interdisciplinary focus.

Selection is based upon a number of factors, including: ACT scores, high school grade point average, application essay, personal interview and Lake State faculty nomination. Students invited to participate in the program enroll in courses designated for honors credit. The courses are distributed among the requirements for general education, the student's major, and the University honors program and may include small seminars or independent research projects.

To graduate with an honors degree in a program of study, the honors student must have formal acceptance into the University honors program and have successfully completed 21 honors credit hours with an overall grade point average of 3.5* or better at graduation. The 21 honors credit hours are to be distributed among the University's requirements for general education, the student's major and the University honors program.

Upon graduation from the honors program, the student will receive an honors degree in his/her program of study. The honors degree designation is indicated on the student's diploma and is distinct from graduating with honors (see Graduation with Honors).

**Students who entered LSSU prior to Fall 2005 will be allowed to continue in the Honors Program with a cumulative gpa of 3.3 (i.e. the previous requirement is "grandfathered" in).*

Acceptance of Other Institutions' Honors Credits

This policy applies only to the transfer of honors credits which count towards earning an honors degree at Lake Superior State University. It does not affect non-honors course credits and the transfer of those credits to LSSU.

1. The LSSU Honors Program will accept up to 12 honors credits with a grade no lower than B taken at an accredited college or university. These accepted honors credits will count towards the 21 honors credits required to graduate from LSSU's Honors Program.
2. To graduate from the Honors Program at LSSU, students affected by this policy must meet the following requirements at LSSU:
 1. At least one, three-credit 200 or 300 level Honors seminar (e.g., HONR 302)
 2. The completion of the capstone senior thesis project
3. Students who transfer into LSSU's Honors Program will receive the same honors benefits given to other students who enter LSSU's program earlier. These include but are not limited to:

1. Priority Registration
2. Optional Honors Housing
3. Opportunities to participate at Honors Program conferences

4. Students who transfer into LSSU's Honors Program will receive the same Honors designation on their Lake Superior State University diploma as other LSSU students who meet its Honors requirements by their graduation date.
5. This Policy shall commence on January 24, 2012, or as soon thereafter as administratively possible, and shall be in effect until suspended or terminated.
6. Students already admitted into the Lake Superior State University Honors Program at the time of suspension or termination will be allowed to complete the Program at LSSU under the terms of this policy enumerated (above) in numbers 1 through 4. Suspension or termination will only affect those admitted after suspension or termination of this policy.

Commencement

From the Graduation Application Forms submitted by students, a potential graduate list is created each semester. The names of students who are listed in the annual commencement program are also compiled from the Graduation Application Forms. Names for the commencement program and diplomas will be the official, legal name as listed in the records of the University. Students may not be listed in the commencement program unless their Graduation Application Form is filed with the Registrar's Office six weeks prior to commencement. Students are expected to attend [commencement](#) exercises unless excused by the Registrar's Office.

Students completing degree requirements during the summer semester may participate in the May commencement ceremony if their Graduation Application Form is received six weeks prior to commencement.

Participation in the commencement ceremony is NOT equivalent to graduation. Because the ceremony occurs before final grades are submitted, it is not possible to determine if all degree requirements have been satisfied at that time.

Missing Requirements

Students not graduating because of missing requirements will be sent a letter notifying them of the missing requirements and will direct them to the department of their major.

Graduation Audit Policy

Graduation Audits (Graduation Application, Degree Audit, supporting paperwork) are maintained in the Registrar's Office permanently for students that apply to graduate but ultimately do not graduate due to missing requirements.

If the student re-applies to graduate within two years from original graduation application term, the student will follow the same degree audit previously submitted.

If the student re-applies to graduate after two years from the previous graduation application, the student will be directed to contact their academic department to request a new Degree Audit. The Registrar's Office will provide copies of the student's graduation audit paperwork to the academic department as requested. The student will also be required to complete a new Graduation Application to be submitted to the Registrar's Office with the updated, official, signed degree audit from their academic department.

Because degree programs are continually assessed, requirements may change during the student's absence. Students will need to work with their academic

departments in order to fulfill the department requirements in place at the time the student returns to LSSU.

For degree programs that are no longer available (eliminated/suspended), students having completed the Graduation Application process will be directed to their academic department for advisement.

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Course Descriptions

Each course description is preceded by the following type of heading:

**CHEM999 Chemistry
(3,3) 5**

or

**CHEM999 Chemistry
(3,3,1) 5**

or

**CHEM999 Chemistry
(3,3) *alternate years* 5**

The first line provides the code number (CHEM999) and the course name; see abbreviation legend below. The second line includes several pieces of information: The first two numbers in parentheses are hours of lecture-lab per week. If the course has a recitation component, it will be listed next. The far right digit indicates the number of credit hours. Sometimes, no semester will be indicated, or there may be an alternate years or "every third year" notation. Consult either the on-line course schedule listings prior to registration or your department chair concerning scheduling of such courses.

NOTE: Students must satisfy prerequisites and any other stated conditions before enrolling in a course, **or have permission from the instructor to waive the prerequisites**. Enrollment in a course may be revoked if it is found during the regular add/drop period that the proper prerequisites have not been met. Responsibility rests with students to be certain that they have the approved prerequisites.

Abbreviations

- [ACTG - Accounting](#)
- [ARTS - Art](#)
- [BIOL - Biology](#)
- [BUSN - Business](#)
- [CHEM - Chemistry](#)
- [CHLD - Early Childhood Education](#)
- [CHIN - Chinese](#)
- [CJUS - Criminal Justice](#)
- [COMM - Communication](#)
- [CSCI - Computer Science](#)
- [DANC - Dance](#)
- [DATA - Data Processing](#)
- [ECON - Economics](#)

- [EDSE - Special Education](#)
- [EDUC - Teacher Education](#)
- [EGEE - Electrical Engineering](#)
- [EGEM - Engineering Mechanics](#)
- [EGET - Electrical Engineering Technology](#)
- [EGME - Mechanical Engineering](#)
- [EGMF - Manufacturing Technology](#)
- [EGMT - Manufacturing Engineering Technology](#)
- [EGNR - General Engineering](#)
- [EGRS - Robotics and Control Systems](#)
- [EMED - Emergency Medical Services](#)
- [ENGL - English](#)
- [EVRN - Environmental Science](#)
- [EXER - Exercise Science](#)
- [FINC - Finance](#)
- [FINE - Fine Arts](#)
- [FIRE - Fire Science](#)
- [FREN - French](#)
- [GEOG - Geography](#)
- [GEOL - Geology](#)
- [HIST - History](#)
- [HLTH - Health Sciences](#)
- [HONR - Honors Program](#)
- [HUMN - Humanities](#)
- [INTB - International Business](#)
- [INTD - Interdisciplinary](#)
- [JAPN - Japanese Studies](#)
- [JOUR - Journalism](#)
- [LAWS - Law](#)
- [LIBR - Library](#)
- [LING - Linguistics](#)
- [MATH - Mathematics](#)
- [MGMT - Management](#)
- [MRKT - Marketing](#)
- [MUSC - Music](#)
- [NSCI - Natural Science](#)
- [NURS - Nursing](#)
- [OFFC - Office Administration](#)
- [PHIL - Philosophy](#)
- [PHYS - Physics](#)
- [PNUR - Practical Nursing](#)
- [POLI - Political Science](#)
- [PSYC - Psychology](#)
- [READ - Reading](#)
- [RECA - Recreational Activities](#)
- [RECS - Recreation Studies](#)
- [SERV - Student Services](#)
- [SOCY - Sociology](#)
- [SOWK - Social Work](#)
- [SPAN - Spanish](#)
- [THEA - Theatre](#)

- [USEM - University Seminar](#)
-

ACTG132

Principles of Accounting I - JW

(4,0) 4

An introduction to the principles and procedures of accounting as applied to proprietorships and corporations. Areas of study include the accounting, internal control and the asset, liability and equity sections of the balance sheet. Prerequisite: Two years of high school algebra and equivalent/satisfactory score on ACT/SAT or Placement Exam or MATH102 with a grade of C or better.

ACTG133

Principles of Accounting II

(4,0) 4

This course emphasizes the role of managerial accounting information within a firm. Topics include budgeting, responsibility accounting, cost allocations, cost behavior, decision models, product costing, cost control, performance evaluation, capital budgeting, cash flows and methods of financial analysis. Prerequisite: Grade of C or higher in ACTG132.

ACTG230

Fundamentals of Accounting

(4,) 4

This course is designed to give non-business majors an understanding of the accounting process and the knowledge to read, understand, and use financial statements and reports in making decisions. The emphasis is on the use, rather than the generation, of accounting information. This course is not open to business majors.

ACTG232

Intermediate Accounting I

(4,0) 4

A review of the general theoretical framework and process of accounting for use as a reference in an intensive study of accounting doctrines and procedures proposed by various authoritative groups. Topics: Generally accepted accounting principles; the accounting process; balance sheet; income statement; present value principles and application; cash and temporary investments; receivables; inventories, plant and intangible assets; and long term investments. Prerequisites: ACTG132 and 133.

ACTG233

Intermediate Accounting II

(4,0) 4

Continuation of ACTG232 with reference to accounting theory as applied to specific critical areas of financial data accumulation and presentation. Emphasis is placed on valuation concepts and their influence on contemporary practice. Topics: Liabilities; long term debt securities; owner's equity; earnings and revenue recognition; income taxes; leases; pensions; error correction; cash flows; and financial statement analysis. Prerequisite: Grade of C or higher in ACTG232.

ACTG332

Cost Management I

(4,0) 4

An advanced study of managerial accounting as it applies to management practices. Topics include job order and process costing systems, value chain management, activity based costing and management, joint product costing, CVP analysis, cost allocations, budgeting, and financial planning models, and allocation of support activity costs. Prerequisite: ACTG133.

ACTG333

Cost Management II

(4,0) 4

A continuation of ACTG332. Topics include strategic decision making, strategic issues in capital investment decisions, standard costing and variance analysis, performance evaluation and the balanced scorecard, responsibility accounting, investment centers and transfer pricing, target costing, theory of constraints, and strategic pricing, managing and controlling quality, management compensation, and business valuation. Prerequisite: ACTG332.

ACTG334

Accounting Information Systems

(3,0) 3

Elements that constitute an accounting system and theories upon which a system should be designed. Emphasis upon computerized accounting systems with extensive use of computers. Prerequisites: ACTG233, ACTG332, introductory data processing course.

ACTG350

Income Tax Practicum

(0,3) 1

Field instruction and practical experience in federal and state income tax preparation. Prerequisite: ACTG421. Repeat up to two times for a maximum of 2 credits.

ACTG421

Federal Taxation Accounting I

(3,0) 3

Basic concepts of the theory and practice applicable to the preparation of individual tax returns. A comprehensive analysis of regulations governing inclusions and exclusions of income; capital gains and losses; and personal, standard, and itemized deductions. Prerequisites: ACTG133 and junior standing or approval of the department.

ACTG422

Federal Taxation Accounting II

(3,0) 3

Theory and practice of income tax accounting as applied to tax credits, partnerships, and corporations. Includes some library tax research. Prerequisite: ACTG421.

ACTG427

Auditing

(4,0) 4

A study of ethical, professional, and technical standards for independent audits and auditing procedures as they apply to internal controls. A study of audit program applications as they apply to elements of the financial statements. Prerequisites: ACTG233 and 333.

ACTG432

Advanced Accounting: Consolidations

(4,0) 4

This course involves a study of corporate business combinations and the preparation of related consolidated financial statements. International accounting issues related to the hedging of foreign currency transactions, translation of foreign financial statements and the application/comparison of international accounting standards will also be presented. Prerequisite: ACTG233 with a grade of C or higher.

ACTG433

Advanced Accounting: Governmental

(4,0) 4

An introduction to governmental and nonprofit accounting as applied to state and local governments and other nongovernmental not-for-profit entities including colleges and universities, and health care organizations. Areas of study include both the source of GASB standards and statements and the application of this theory to the governmental accounting cycle. Students will also be exposed to and apply a variety of financial performance measures unique to this sector of the economy. Students will prepare a monthly transaction analysis and complete a governmental practice set. Prerequisite: ACTG233 with a grade of C or higher.

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ARTS109

Principles of Design and Color

(3,0) 3

This course acquaints students with the various possibilities of working with two-dimensional design. Using graphite, marker, collage and basic print making/stamping techniques, participants will explore line, form, shape, texture, color and the use of negative and positive space. In addition to in-class assignments, participants will be required to research, complete and present a major piece in two-dimension at the end of the semester. Prerequisite: none. Equivalent to FINE151 + VISA1516 for BRIDGE.

ARTS110

Fundamentals of Drawing

(3,0) 3

This course will introduce the participant to basic drawing techniques, focusing upon the use of predominantly dry media such as graphite, charcoal, colored clays and chalks. Students will be required to work in-studio on a number of projects (still life, object drawings, texture, tone and line explorations), working toward the

creation of a portfolio of drawings for final submission. Prerequisite: none. Equivalent to FINE150+ VISA1506 for BRIDGE.

ARTS111

Introduction to Painting Media and Techniques

(3,0) 3

The course focuses on painting as a process of self-expression. Participants will be introduced to the use of acrylics, watercolors and water-soluble oils. An introduction to Itten's color theories and basic compositional styles will help ground participants in their exploration of the media offered. Brush handling, mixed-media techniques, and the use of in-studio still-life arrangements will be highlighted. Prerequisite: ARTS109. Equivalent to FINE155 + VISA 2556 for BRIDGE.

ARTS115

Introduction to Ceramics

(3,0) 3

A basic course in ceramics with emphasis on throwing and hand construction techniques, design, aesthetics and the creative development of clay objects.

ARTS211

Mixed Media Explorations

(3,0) 3

Students will be invited to work hands-on in an open studio environment, examining the development of their own visual language in relation to the media and methodologies presented. Participants will be invited to draw from personal experiences as well as from their environment as catalysts for art making. All will be encouraged to work with acrylics, watercolors, water-based oils, drawing media, photographs/laser copies, found materials, etc. At the end of the course, participants will be required to present a brief seminar with essay. Prerequisites: ARTS109. Equivalent to FINE178 + VISA2786 for BRIDGE.

ARTS212

Art for Elementary Teachers

(3, 0) 3

This course is designed to provide an understanding of the philosophy, theories and contemporary issues of art education in kindergarten through sixth grade. Various art media will be explored by the student, and curriculum planning and evaluation will be discussed.

ARTS250

Art History and Appreciation I

(4,0) 4

Study of arts exemplified in prehistoric and primitive cultures, and in the Mesopotamian, Egyptian, Aegean, Greek, Roman, early Christian, Byzantine, Moslem, Roman and Gothic eras. The course presents a development of historic, social and aesthetic principles, including a study of signs and symbols for students of art education, science, letters, business and engineering. Art history is taught in terms of visual experience and knowledge with art films, slides and demonstrations with art materials in addition to class lectures. Universal standards that can be applied to any work of art are studied. Counts as humanities credit for general education requirements.

ARTS251

Art History and Appreciation II

(4,0) 4

A study of European and American art from the Renaissance to the 20th century, including Renaissance, baroque, rococo, neoclassic, romantic, realist and contemporary. The history of art is presented from a technical, social and aesthetic standpoint, along with a study of rhythm, motion, and proportion. Works of art are considered on their own merits and development rather than on the basis of preconceptions. Art films, color slide presentations and demonstrations using art materials supplement class lectures. Counts as humanities credit for general education requirements.

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BIOL104

Survey of General Biology

(3,3) 4

This course is a non-majors biology course that will cover the major units of general biology: (1) cells and energy; (2) genetics; (3) evolution; (4) organismal biology; (5) ecology. Developing a solid understanding of the fundamentals of general biology is vital to being an informed citizen about advances in the medical and food sciences, foundational and new information about the organization of life, and current issues of environmental and ecological concern. Course content is tied to the State of Michigan's benchmarks for training elementary school teachers, but any students interested in the life sciences are encouraged to take this class. The laboratory is designed to illustrate the course content as well as illustrate the principles of inquiry. Prerequisites: ENGL091, MATH086 and READ091 or equivalent test scores.

BIOL105

Function of the Human Body

(3,2) 4

Survey of the functional anatomy and the related physiological processes needed for the understanding of normal human activity. Not open to biological majors or minors. Prerequisite: ENGL091 or equivalent.

BIOL106

Boat Handling and Navigation

(2,3) 3

Topics related to the art of seamanship are covered, including the basics of boating and safety. Piloting and navigation are emphasized with an understanding of weather, waves, and wind, as well as the use of board electronic equipment. Pre- or corequisites: MATH102.

BIOL107

Field Biology

(2,3) 3

Introduction to organisms and their environmental interactions and conservation concerns with emphasis on Eastern UP. Lab consists primarily of field experiences.

Not open to biology majors. Prerequisite: ENGL091 or equivalent.

BIOL121

Human Anatomy and Physiology I

(3,3) 4

This is the first half of a two-course sequence. This course covers organization of the human body, basic principles of chemistry, the integumentary system, the skeletal and muscular systems, the nervous system and special senses. Laboratory experiences are designed to complement the lecture topics. This course may not be used as a general education natural science elective nor does this sequence apply toward a major or minor in biological science. Prerequisites: High school chemistry, ENGL091 or equivalent, and MATH088 or equivalent satisfactory score on ACT or Placement Exam.

BIOL122

Human Anatomy and Physiology II

(3,3) 4

The second half of the Human Anatomy and Physiology sequence emphasizes the endocrine system, cardiovascular system, lymphatics and the immune response, respiratory system, digestive system, urinary system and the reproductive system. Laboratory experiences are coordinated with the lecture discussions. Prerequisite: BIOL121.

BIOL126

Interpretation of Maps and Aerial Photographs

(1,3) 2

Introduction to use and interpretation of 1:24,000 USGS topographic maps. Topics covered include: determination and calculation of scale, map coordinate systems, projections, and locating features using the General Land Office Survey System. Local landforms will be interpreted from aerial photography at a variety of scales and correlated with map interpretations. Land use and cover will be determined using both black and white and color infrared photography. Pre- or corequisite: MATH102 or higher.

BIOL131

General Biology: Cells

(3,3) 4

This course is an introduction to the cellular aspects of general biology. This course will provide an overview of cellular biology and serve as a framework for further biological studies. Topics to be covered include basic chemistry of the cell, function of cellular organelles, cellular metabolism including respiration and photosynthesis, the cell cycle, mitosis, meiosis, simple transmission genetics, introduction to molecular and developmental biology. The laboratory introduces the student to inquiry based scientific method. Prerequisites: MATH088, ENGL091, or equivalent scores on the math and English placement exams.

BIOL132

General Biology: Organisms

(3,3) 4

An introduction to the diversity of life, including the morphology, physiology, reproduction, general habitats and taxonomy of organisms. Adaptation to

environment and modern concepts of evolution are stressed as unifying themes throughout the course. Prerequisites: MATH088, ENGL091, or equivalent scores on the math and English placement exams.

BIOL199
Freshman Seminar
(1,0) 1

A partial focus for this course will be on academic skills and the transition from high school to college. Topics will include time management, use of campus resources, development of critical thinking, and strengthening study skills. At other times students will meet in discipline-based groups in conjunction with BIOL299, BIOL399 and BIOL499. These meetings will include discussion of literature relevant to the discipline and progress reports from upper-class students engaged in scholarly projects.

BIOL202
Field Botany
(2,3) 3

A study of the common families, genera, and species, especially those in the local flora. Prerequisite: BIOL132

BIOL203
Fundamentals of Natural Resources
(3,0) 3

This course will introduce students to the history of natural resource conservation and management, career opportunities within the field of natural resources, and interaction between humans and the environment. The course will focus extensively on basic concepts in human dimensions as they apply to natural resource conservation and management. Course topics include assessing social attitudes and values, social conflicts and conflict resolution, legal and regulatory framework of natural resource management, and the role of stakeholder groups in conservation and management. Prerequisite: ENGL111. Pre- or corequisite: COMM101.

BIOL204
General Microbiology
(3,3) 4

This course will deal with the history and scope of microbiology, a study of microbial structure, growth, nutrition, metabolism, genetics, taxonomy and control. A study of mycoplasma, viruses and molds will be incorporated with genetic engineering and recombinant DNA. Labs will emphasize the identification and cultivation of molds and bacteria. Prerequisites: BIOL131 and CHEM115.

BIOL206
Medical Laboratory Practices
(2,0) 2

Covers fundamental principles of medical laboratory science including safety, specimen handling, measurement, common calculations, organization of the medical laboratory, automation, and quality control. Prerequisites: MATH111, CHEM115, BIOL131.

BIOL220

Genetics

(3,3) 4

This course covers the three major subdivisions of the study of genetics - Mendelian or transmission genetics, molecular biology, and population genetics. Transmission genetics topics will include traditional genetics problems and modes of inheritance; mitosis, meiosis and control of the cell cycle; chromosomal structure and recombination. Molecular topics will include information on DNA structure and replication, transcription, translation, gene cloning, genomics, and current research in DNA technology. Topics in population genetics will include aspects of the Hardy-Weinberg theory. The laboratory will include exercises in both traditional and molecular genetics. Prerequisites: BIOL131, CHEM115 and (BIOL250 or sophomore statistics course).

BIOL223

Clinical Microbiology

(3,0) 3

A basic course in microbiology dealing with the study of microorganisms and pathogens in humans. A survey of viruses, molds and bacteria. Their morphology and growth characteristics will be discussed along with the physical and chemical means to control pathogenic microorganisms causing human infections. Prerequisites: CHEM105 and BIOL122. Does not apply towards a major or minor in biology.

BIOL230

Introduction to Soil Science

(3,3) 4

A course dealing with the soil ecosystem as a natural resource and as an environmental medium. Beginning with factors involved in soil formation the course will survey soil physical, chemical, and organic properties and how they respond to disturbance. Soil reactions to wastes and wetland interactions will be discussed. Laboratories will focus on description of local soils and the use of soil survey information in making soil interpretations. Prerequisites: CHEM108 and CHEM109 or above; NSCI103 or BIOL132; BIOL126.

BIOL240

Natural History of the Vertebrates

(3,0) 3

A survey course covering the taxonomy, phylogeny and ecology of vertebrates with an emphasis on North American taxa. Prerequisite: BIOL107 or 132.

BIOL243

Vertebrate Anatomy

(3,3) 4

A detailed study of the origin, phylogeny and anatomy of the vertebrates. Laboratories emphasize the thorough dissection of representatives of at least three classes of vertebrates. Prerequisite: BIOL132 and sophomore standing.

BIOL250

Quantitative Biology

(3,0) 3

This course will use quantitative methods to examine biological relationships and processes. Students will explore diverse biological topics including heat and energy balance, relative growth, photosynthesis, genetic drift, and diffusion using a variety of quantitative tools. Prerequisites: BIOL131, 132 and MATH111.

BIOL280
Biostatistics

(2,2) 3

A course in the design and analysis of biological experiments. The focus of the course is the development of a systematic method for determining an appropriate statistical technique and the interpretation of results in terms of biological science. Prerequisites: BIOL131, BIOL132, and MATH111 or Calculus.

BIOL284
Principles of Forest Conservation

(2,4) 4

An introduction to forest structure, function, and ecology. Important fundamentals of conservation biology such as the effects of disturbance, fragmentation, and biodiversity on forest ecosystems will be emphasized. Students will master identification of tree and shrub species of the Eastern Upper Peninsula and perform commonly used techniques to evaluate the forest resource. The lab portion of the course is in the field and proper dress is required. In addition, one all-day field trip will be scheduled. Prerequisites: BIOL132 or NSCI103; and BIOL126.

BIOL285
Principles of Epidemiology

(3,0) 3

Principles, purpose and methods of descriptive and analytic epidemiology with emphasis on environmental health. Prerequisite: MATH207.

BIOL286
Principles of Watersheds

(3,0) 3

Overview of the geomorphology, hydrology and biota of various watersheds, with emphasis on hydrographic methods, sampling techniques, land use and management principles. Prerequisites: MATH111.

BIOL287
Conservation Biology

(3,0) 3

This course will provide a strong background in the field of conservation biology. The course will discuss patterns in, valuation of, and threats to biodiversity. The course will also examine tools and strategies for conserving biodiversity at the population and species levels and discuss the application of conservation biology in today's society. Specific topics include: (1) Principles of and issues in conservation; (2) Threats to biodiversity; (3) Methods and approaches to evaluate and mitigate threats; (4) Application of principles in the design of conservation reserves, restorations, and sustainable development. Prerequisites: BIOL131 and 132

BIOL289

Aquatic Research Sampling Methods

(2,3) 3

A variety of sampling techniques are introduced as they relate to the various disciplines of aquatic science. These methods include sampling and preservation of biotic (plankton, fish, benthic invertebrates, DNA, pathogens) and abiotic (water quality, sediments, climate) data. Prerequisites: BIOL107, CHEM108 and 109, MATH111 and permission of instructor. Also listed as EVRN289.

BIOL290

Independent Study in Biology

(1-4,0) 1-4

Special studies and/or research in biology for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of department and college dean. Prerequisites: Students must have an overall GPA of at least 2.5, and no "I" grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the School of Natural Science.

BIOL299

Sophomore Seminar

(1,0) 1

Students meet in discipline-based, student-faculty groups in conjunction with BIOL199, 399 and 499. Weekly meetings will include discussion of literature relevant to the discipline and progress reports from upperclass students engaged in scholarly projects. Sophomores will assist with ongoing projects and will be guided by faculty and juniors enrolled in BIOL399 to conduct a comprehensive, annotated literature search in their area of interest. Prerequisite: BIOL199 and ENGL111.

BIOL302

Invertebrate Zoology

(2,3) 3

A study of the invertebrate groups with emphasis on morphology, phylogeny and life cycles. Prerequisite: BIOL132.

BIOL303

General Entomology

(2,3) 3

An introduction to the biology, ecology and systematics of the insects. This course covers fundamentals of insect taxonomy and physiology; and the varied roles insects play in the natural world and in human history and culture. Prerequisite: BIOL132.

BIOL304

The Human Environment

(3,0) 3

Designed to assist the participant in understanding how the individual can become involved with solving environmental problems. Prerequisite: Junior Status.

BIOL306

Medical Mycology

(2,2) 3

Covers fungal structure, reproduction, and classification, medically important fungi and the diseases they cause, techniques for identifying fungi in clinical specimens and for culturing fungi in the laboratory. Laboratory covers techniques for fungal culture and identification, and practice identifying fungal diseases from prepared slides and/or photographs. Prerequisite: BIOL132 and BIOL204.

BIOL310

Ichthyology

(2,3) 3

Study of the anatomy, physiology, behavior, taxonomy and natural history of fishes, with emphasis on freshwater species, particularly those in the Great Lakes region. Prerequisite: BIOL131 and BIOL132.

BIOL311

Mammalogy

(2,3) 3

An investigation of the natural history, biology and taxonomy of mammals. Techniques for measuring and monitoring mammalian populations will be presented. The laboratory will focus on field techniques and the identification by skin, skull and track of mammals of the Great Lakes region. Prerequisite: BIOL243 or BIOL330.

BIOL312

Ornithology

(2,4) 3

A study of the biology and taxonomy of birds. Labs will focus upon bird anatomy and bird recognition using video tapes and specimens. Prerequisite: BIOL132.

BIOL315

Plant Physiology

(3,3) 4

A study of the organization of plants, plant replication, photophysiology and photosynthesis, mineral nutrition, water transport in higher plants, plant growth substances, physiology of seeds, control of plant growth and plant cell tissue culture. Prerequisites: BIOL250 and CHEM115.

BIOL330

Animal Physiology

(3,3) 4

The course examines the many ways animal groups solve the problem of maintaining internal homeostasis. Neural control, endocrine systems, gas exchange, energy acquisition and temperature regulation are a few of the topics examined. The lab is closely tied to the lecture material using non-invasive live animal experiments, computer-interfaced data gathering and analysis. Prerequisites: BIOL250 and CHEM116.

BIOL332

Embryology

(2,2) 3 alternate years

A study of pattern formation and morphogenic processes in animals, with an emphasis on vertebrates. The laboratory portion of the course emphasizes descriptive ontogeny of representative vertebrates. Prerequisites: BIOL131 and BL132. (BL243 is highly recommended.)

**BIOL333
Fish Ecology**

(3,0) 3

A study of the relationship of fishes to their physical, chemical and biological environments in natural and perturbed aquatic ecosystems with an emphasis on response and adaptation at the organism, population and community levels. Various types of aquatic ecosystems will be examined with respect to habitat accommodations of fish and the impact of human activities. Includes ecological principles as applied to important sport, commercial and forage fish species. Prerequisite: BIOL310.

**BIOL335
Principles of Animal Nutrition**

(3,0) 3 alternate years

A scientific approach to the nutritional role of water, carbohydrates, proteins, lipids, minerals, and vitamins. The course will emphasize comparative aspects of gastrointestinal anatomy and physiology for livestock, wildlife, and fish. Prerequisites: BIOL250 AND CHEM116.

**BIOL337
General Ecology**

(2,3) 3

A survey of concepts and applications of plant and animal physiological, morphological, behavioral, population, community, and systems ecology. Prerequisites: BIOL131, BIOL132 and MATH111.

**BIOL339
Wildlife Ecology**

(3,0) 3

A quantitative analysis of the ecology and management of wildlife populations. Theories of population dynamics and distribution are presented. Community interactions including competition, predation, and herbivory, are explored in detail. Prerequisites: BIOL250, 280 and 337.

**BIOL345
Limnology**

(2,4) 4

An investigation of the principles of freshwater ecosystems with an emphasis on lakes. The physics and chemistry of natural systems are presented, as well as a survey of the dominant biota and their ecological interactions. Prerequisites: BIOL250 and CHEM115.

BIOL372

Freshwater Fish Culture

(2,3) 3

Instruction in water quality monitoring, production systems, feeding and nutrition, disease identification and management, and reproduction principles of freshwater fishes used for recreational and commercial fisheries management, bait and food products. Students will learn propagation and rearing techniques for important fishes, particularly those with recreational or commercial value. Prerequisites: BIOL280 and 310.

BIOL380

Clinical Hematology and Hemostasis

(3,3) 4 alternate years

A study of the components of blood. Discussions of the formed elements to include normal and malignant states; anemias, leukemias, lymphomas, hemostasis (coagulation) processes and disease states. Laboratories will cover routine and automated blood component measurements. Offered even numbered spring semesters. Prerequisites: CHEM226 and BIOL330.

BIOL389

Internship in Biology

3-4 3-4

A variable credit practicum course in which the students will perform research and/or gain work experience under the direction of a faculty mentor and a qualified supervisor. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit earned. The course may be repeated once for a maximum of eight credits. Student interns will be required to write weekly updates or journal entries to be submitted to their LSSU faculty mentor for evaluation of what the student has learned. Prerequisites: 2.50 GPA in major and permission of faculty mentor or department chair.

BIOL398

Planning an Experiential Learning Project

(1,0) 1

A weekly seminar class for students planning a major experiential learning project, such as a capstone academic service learning project or internship. Students will work with the course instructor to define the project objectives, outline the tasks, plan the work with the host agency, plan the project assessment techniques and budget, and design the academic evaluation. The outcome of the class will be a proposal for the project. Prerequisites: BIOL299.

BIOL399

Junior Seminar

(1,0) 1

Students meet in discipline-based, student faculty groups in conjunction with BIOL199, 299 and 499. Weekly meetings will include discussion of literature relevant to the discipline and progress reports from upper class students engaged in scholarly projects. Juniors will serve as mentors to sophomores in the group and will develop and present a proposal for a scholarly project. Prerequisites: BIOL280, 299 and COMM101.

BIOL405

Animal Behavior

(3,0) 3 alternate years

A course designed to examine the proximate mechanisms and the evolutionary development of animal behavior. Important concepts are explained by reference to illustrative studies. An appreciation of the methods and theoretical significance of current research is emphasized. Prerequisites: Junior standing and BIOL330 or 337. Offered even-numbered fall semesters.

BIOL406

Immunoematology

(2,3) 3

Fundamentals of blood banking in the ABO, Rh and other blood group systems; blood component preparation and utilization; transfusion complications; quality control and problem solving. Laboratories include techniques used in immunology/serology; blood grouping; compatibility testing; and antibody identification. Prerequisites: BIOL220, CHEM226, Junior standing and permission of instructor.

BIOL420

Evolutionary Analysis

(3,0) 3

This course explores the fundamental mechanisms of evolutionary process and speciation, and illustrates the use of evolutionary analysis as a problem-solving tool. Issues of current interest in ecology, conservation, animal behavior, human medicine and a variety of other fields are addressed from the evolutionary perspective to explain biological phenomena and community interactions. Prerequisite: BIOL220 and 250.

BIOL421

Advanced Cell & Molecular Biology

(3,3) 4

This course will examine cellular structure and function with emphasis on organelle ultrastructure, cell membranes and permeability, cellular interactions, and the molecular foundations of genetic mechanisms and cell energetics. Prerequisites: BIOL220 and CHEM351.

BIOL422

Parasitology

(2,2) 3

A study of the morphology, taxonomy, habitats, pathology and life cycles of parasites. Prerequisites: BIOL131 and 132.

BIOL423

Immunology

(3,3) 4

A study of the basic elements of the immune response system and the various ways in which the immune system can fail, leading to immunopathological reactions. Labs will include current diagnostic methodologies. Prerequisites: BIOL131, 132, 204 and CHEM226.

BIOL425

Virology

(2,3) 3

The basic concepts of virology are discussed. Lab will cover some traditional virology methods but will emphasize recent molecular approaches to viral identification. Prerequisite: BIOL204 and BIOL220.

BIOL426

Ecology of Animal Disease

(3,0) 3

The course covers the population and environmental conditions that favor disease in both terrestrial and aquatic ecosystems. Basic concepts of infection through epidemics will be discussed. Prerequisite: BIOL337.

BIOL432

Fisheries Management

(2,3) 3

A course covering the history, theory and practice of fisheries management with an emphasis on basic strategies used in effective management of fish populations in freshwater ecosystems. Students will learn methods of collection and synthesis of data regarding fish population dynamics and manipulation, habitat modification, and human management to achieve specific fisheries management goals and objectives. Prerequisites: BIOL280, 333 and 345.

BIOL433

Histology

(2,3) 3 alternate years

A systems approach is used to study the microscopic anatomy of mammalian tissues and organs. Related physiological processes are integrated with the anatomical studies. Prerequisites: BIOL330.

BIOL434

Histopathology

(0,3) 1

The course is an intensive laboratory experience where students will learn to visually identify diseased tissue. They will also learn methods of sample preparation including sectioning and staining for microscopic identification of pathogens. Prerequisite or corequisite: BIOL433.

BIOL437

Plant Ecology

(2,3) 3

A study of the autecology, population ecology and community ecology of plants, including fundamental theory, field methods and data analysis. Prerequisites: BIOL202, BIOL337 and MATH207.

BIOL439

Wildlife Management

(2,3) 3

The application of ecological principles to develop practical wildlife management strategies to preserve, enhance or create viable wildlife habitats and populations. Students will have the opportunity to observe and practice standard field and laboratory techniques. Prerequisites: BIOL311 or BIOL312 and BIOL339.

BIOL450

Laboratory Apprenticeship

(0,3) per credit 1-2

Students will assist in laboratories, learning instructional techniques, under direction of faculty. Course may be repeated for a maximum of two credits. Students must gain approval of the faculty member in charge of the specific laboratory, and the dean. Credits may be used as BIOL electives. This is a credit/no credit course.

BIOL455

Body Fluids Analysis

(3,2) 4

Covers molecular analytes that are measured in blood, urine, and body fluids: the physiologic and pathologic processes that affect the levels of these analytes, correlations of analyte levels with disease, methods and instruments used to measure them, and principles and practices of quality control. Prerequisites: MATH207, CHEM226, CHEM332, BIOL330.

BIOL460

Clinical Internship

3 or 9

A six-month internship experience in a clinical laboratory. Students will be placed at one of LSSU's affiliate clinical sites. There they will perform routine analyses of clinical specimens under the supervision of clinical site personnel. Students will be trained in chemical, hematological, microbiological, coagulation, and blood bank analyses. Prerequisites: BIOL380, BIOL406, BIOL423, BIOL455, BIOL480. Variable credits, 3 or 9; must be repeated once for a maximum of 12 credits.

BIOL470

Restoration Ecology

(3,0) 3

This course will provide a broad overview of restoration of both terrestrial and aquatic ecosystems, including prairies, wetlands, lakes, and streams. Through lectures, field trips, and case study discussions, students will be introduced to ecological principles and techniques used to restore and rehabilitate ecosystems. Students also will be involved in identifying, designing, and evaluating local restoration projects in conjunction with local resource agencies. Prerequisite: BIOL337

BIOL475

Aquatic Entomology

(2,3) 3

Survey and identification of regional lake and stream insects, with additional emphasis on lifehistory strategies and community ecology. Insect physiology, ecology, behavior, importance as fish food organisms, and utility as indicators of

water quality is also presented. Prerequisites: BIOL337 and junior standing.

BIOL480
Advanced Clinical Microbiology
(3,3) 4 alternate years

An advanced course in clinical microbiology concerning the role of bacteria, viruses, and fungi as the cause of various human infections. Standard modern clinical laboratory methodology will be covered. Offered odd-numbered spring semesters. Prerequisites: BIOL204 and CHEM226.

BIOL490
Independent Study in Biology
(1-4,0) 1-4

Special studies and/or research in biology for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of department and college dean. Prerequisites: Students must have junior or senior standing, have an overall GPA of at least 2.5, and no "I" grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the College of Science, Technology, Engineering and Mathematics.

BIOL495
Senior Project
(0,6) 2

A practicum under the guidance of a faculty member. The student will conduct a scholarly project based on the proposal submitted by the student in BIOL399 (or an appropriate substitute). Prerequisite: BIOL399.

BIOL497
Experiential Learning Project
3 or 6

The internship in Conservation Biology is a full semester/summer work experience. Interns will develop work goals, responsibilities, and outcomes with their agency supervisor and faculty mentor. Students will prepare formal communication components (workshop or oral presentation and a poster). The internship experience should be 12 weeks at 40 hours per week. Prerequisite: INTD498.

BIOL499
Senior Seminar
(1,0) 1

Students meet in discipline-based, student-faculty groups in conjunction with BIOL199, BIOL299 and BIOL399. Weekly meetings will include discussion of literature relevant to the discipline and progress reports from upperclass students engaged in scholarly projects. Seniors will serve as mentors to freshmen in the group. Seniors will also produce a manuscript describing the results of their project and will be required to give poster and oral presentations to the University community. Prerequisite: BIOL495 or BIOL497.

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BUSN121

Introduction to Business

(3,0) 3

This course is intended to provide students a broad overview of the complex and dynamic contemporary world of business. The course will illustrate how human resources management, marketing, production, and finance are major functions that work together to help owners, employees and customers reach their objectives. Business must operate within economic, social, natural, technological, international, legal, and political environments.

BUSN211

Business Statistics

(3,0) 3

An introduction to business statistics. Topics include collection and presentation of data, measures of central tendency, variation and skewness, probability, probability distributions, Bayes's Theorem, sampling, sampling distributions, estimation, hypothesis testing, simple linear regression and correlation. Prerequisite: MATH111.

BUSN231

Business Communications

(3,0) 3

Business and management communications problems. Direct, indirect, and persuasive letters; memos, short reports and directives. Some assignments must be typed. Extensive writing practice. Prerequisite: ENGL111.

BUSN291

Students in Free Enterprise

(0,3) 1

Students work in teams to develop outreach programs. They learn by means of "real-world" experiences, then teach others how market economies and businesses operate. Corporate CEOs and senior executives judge these programs annually in regional competitions, and the winners of those contests then compete at the international exposition. Outreach program development enhances students' creative and communication skills by preparation of written and oral presentations. May be repeated for credit for a total of four credits.

BUSN299

Internship in [Discipline]

(1-4,0) 1-4

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to achieve the school approved learning objectives/outcomes established for the internship. Students are expected to spend a minimum of 45 hours (1 credit), 90 hours (2 credits), 135 hours (3 credits), or 180 hours (4 credits) in an appropriate work setting. This course may be repeated once for a maximum of four total credits. Prerequisites: 2.5 GPA, and approval of the Dean.

BUSN308

Managing Cultural Differences

(3,0) 3

Study of differing cultural norms that impact business decisions; designed for students interested in international and cross-cultural activities.

BUSN350

Business Law I

(3,0) 3

This portion of business law covers the law applicable to contracts, sales, personal property and bailments.

BUSN355

Business Law II

(3,0) 3

This portion of business law covers the law applicable to commercial paper, corporations, partnerships, agency and employment.

BUSN399

Internship in [Discipline]

(1-4,0) 1-4

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to achieve the school approved learning objectives/outcomes established for the internship. Students are expected to spend a minimum of 45 hours (1 credit), 90 hours (2 credits), 135 hours (3 credits), or 180 hours (4 credits) in an appropriate work setting. This course may be repeated once for a maximum of four total credits. Prerequisite: 2.5 GPA, junior standing or higher, employee and instructor approval of the Dean.

BUSN403

Business, Government and Society

(3,0) 3

This course examines the relationships of the business firm to government and to society. The course focuses on the economic, legal, political, social and ethical environment of business firms. Topics include consumer protection, environmental regulation, antitrust, constitutional and administrative law, alternative dispute resolution, and other topics of current concern. The business firm is examined in the context of market capitalism and the global economy. The course is structured to meet communication-intensive requirement of general education. Prerequisites: ECON202 and junior standing.

BUSN405

Business Ethics and Social Responsibility

(3,0) 3

Business ethics in organizations requires value-based leadership and purposeful actions that include planning and implementation of standards of appropriate conduct. This course will prepare students to be good corporate citizens through the study of business ethics, social responsibility, ethical decision making, corporate codes of ethical conduct, and how ethical behavior relates to organizational performance. Prerequisites: MGMT360 or MGMT365.

BUSN466
Business Policy
(3,0) 3

This course provides an opportunity for the student to develop an understanding of the interrelationship of the various divisions, departments and functions of a business organization from a top management perspective. Library research and case analysis are utilized. Prerequisites: Senior status and FINC341.

BUSN491
Research Reading in Business and Economics
(2-3,0) 2-3

Independent study and seminar; individual student guidance by faculty for selected research topics in business. Prerequisite: Senior status.

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CHEM091
Basic Chemistry
(2,0) 2

Thorough exposure to elementary chemistry designed to prepare students for college-level chemistry. Emphasis on drill to enhance problem-solving skills. Prerequisite: MATH088 or equivalent. Students must receive a C (2.0) or better in this course to qualify for CHEM104, CHEM108 or CHEM115. Credit in this course does not apply toward graduation.

CHEM108
Applied Chemistry
(3,0) 3

An introduction to selected principles of chemistry with emphasis on technological applications. Credit in this course does not apply toward a major or minor in chemistry. Prerequisites: ENGL091 or equivalent and pre- or corequisite of MATH102.

CHEM109
Applied Chemistry Lab
(0,3) 1

Laboratory experience for CHEM108 Applied Chemistry (must complete both lecture and laboratory to qualify for general education credit). Corequisite: CHEM108.

CHEM110
Applied Organic & Biochemistry
(3,2) 4

A continuation of concepts presented in CHEM108 with an emphasis on the fundamentals of organic and biochemistry. The interrelationships between the metabolic processes of living systems are discussed along with their underlying chemical reactions. Prerequisite: CHEM108 or equivalent, with a grade of C (2.00) or better.

CHEM115

General Chemistry I-Intro to Fundamental Principles of Chemistry

(4,2) 5

Fundamental principles of chemistry with emphasis on scientific method, basic chemical reactions and acid base equilibria, stoichiometry, periodic trends of elements, an introduction to the energy of reactions, atomic structure, simple bonding models, molecular structure, intermolecular forces, and nuclear chemistry will be presented. Pre- or corequisite of MATH111 or higher with a grade of C (2.0) or better. ENGL091 or equivalent. One year of high school chemistry is strongly recommended.

CHEM116

General Chemistry II-Intro to Physical Chemistry

(4,3) 5

Continuation of CHEM115 with emphasis on physical chemical concepts such as bonding, gas laws, solids and solutions, kinetics, thermodynamics, and equilibrium, including acid-base reactions and electron transfer processes. Prerequisite: CHEM115 with a grade of C (2.0) or better.

CHEM225

Organic Chemistry I

(3,3) 4

Fundamental principles of organic chemistry, covering the structures, reactions and properties of aliphatic and alicyclic compounds. The course will introduce the study of organic nomenclature, functional group chemistry, stereochemistry, reactive intermediates, organic synthesis, reaction mechanisms and conjugated unsaturated systems. The laboratory introduces basic organic laboratory techniques and includes experiments in organic separations, synthesis, and analysis. Prerequisite: CHEM116 with a grade of C (2.0) or better.

CHEM226

Organic Chemistry II

(3,3) 4

A continuation of CHEM225 covering the structures, properties and reactions of aromatic compounds, carbonyl compounds, carboxylic acids and their functional derivatives, phenols, amines, organometallics, carbohydrates, amino acids and proteins. The course will introduce the study of spectral methods of structure determination and expand the study of organic synthesis and mechanisms. The laboratory will include experiments in spectroscopy, organic synthesis and mechanisms, qualitative organic analysis, and instrumental analysis. Prerequisite: CHEM225 with a grade of C (2.0) or better.

CHEM231

Quantitative Analysis

(3,3) 4

Evaluation of analytical data and study of gravimetric and titrimetric methods of analysis. Prerequisites: CHEM116 with a grade of C (2.0) or better and MATH151 or MATH112.

CHEM261

Inorganic Chemistry

(3,3) 4

This course will provide a foundation in Inorganic Chemistry with a focus on understanding the properties of the elements, bonding and geometries of small molecules and their chemical re-activities. Survey of main group and transition metal chemistry and applications to bio-inorganic chemistry. The laboratory component will provide students with opportunities to observe and measure the changes that accompany inorganic reactions and to make predictions regarding these inorganic reactions. Prerequisite: CHEM116 with a grade of C or better.

CHEM290

Independent Study in Chemistry

(1-4,0) 1-4

Special studies and/or research in chemistry for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of school dean. Prerequisites: Students must have an overall GPA of at least 2.5, and no I grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the College of Natural and Mathematical Sciences office.

CHEM310

Applied Spectroscopy

(3,3) 4

General principles of spectroscopy will be explored including underlying principles and theory, data acquisition and processing coupled with spectral interpretation. Different spectroscopic methods used for the structural determination of organic molecules and in chemical research are described including mass spectrometry (MS), ultraviolet and visible spectroscopy (UV-Vis), infra-red spectroscopy (IR), atomic spectroscopy, fluorescence spectroscopy, and both one-dimensional and two-dimensional ¹H and ¹³C nuclear magnetic resonance (NMR) spectroscopy. Prerequisite: CHEM226 and CHEM261. (Alternate Years)

CHEM332

Instrumental Analysis

(3,3) 4

Continuation of CHEM231. An instrumental analysis course involving the theory and use of spectrochemical, electroanalytical and separation methods for the characterization and determination of selected chemical substances. Prerequisite: CHEM231. Recommended either PHYS222 or PHYS232.

CHEM341

Environmental Chemistry I

(3,3) 4 alternate years

A study of the environmental chemistry of the hydrosphere, atmosphere, lithosphere, and biosphere, the measurement and remediation of water and air quality problems, the toxicology of water and air pollutants, and the environmental aspects of energy use. Prerequisites: CHEM225, CHEM231, and NSCI103. Also listed as EVRN341.

CHEM351

Introductory Biochemistry

(3,3) 4

Introduction to the chemistry of biological molecules, including the general properties and chemical transformation of amino acids, proteins, carbohydrates, lipids, vitamins, and nucleic acids. Emphasis will be on correlating chemical reactions with biological function. An introduction to the intermediary metabolism of the carbohydrates, amino acids, lipids and nucleic acids will also be presented. Prerequisites: CHEM116, CHEM225.

CHEM353

Introductory Toxicology

(3,0) 3 alternate years

An introduction to toxicology, including its history, types of poisons, their mode of operation and the biochemistry of detoxification. Environmental problems caused by toxic contaminants will be discussed. Prerequisite: CHEM225.

CHEM361

Physical Chemistry I

(4,0) 4 alternate years

Chemical thermodynamics with applications to both phase and chemical equilibria. Prerequisites: CHEM116, one year of calculus and one year of physics.

CHEM362

Physical Chemistry II

(3,0) 3 alternate years

Traditional quantum chemistry topics will be discussed that help explain chemical phenomena and provide descriptions and applications for spectroscopy. Prerequisite: CHEM116 and either MATH112, EGNR140 or EGNR245; or one year of equivalent calculus and numerical methods. One year of college physics preferred.

CHEM363

Physical Chemistry Laboratory: Kinetics and Reaction Dynamics

(0,3) 1

An advanced laboratory exploring reaction kinetics and dynamics with an emphasis on modern methods of physical chemistry measurement. Prerequisite: CHEM116 and one semester of calculus.

CHEM395

Junior Seminar

(1,0) 1

Literature searching, scientific writing, and oral presentation of scientific data. Students will be expected to listen to presentation of peers enrolled in CHEM/EVRN499 and develop a topic for their senior thesis. Prerequisite: Junior standing. Note: Also listed as EVRN395.

CHEM399

Internship in Chemistry

1-4 1-4

This course is designed to provide students with an opportunity to earn credit while

obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. Work hours and activities must be documented daily and approved by both the on-site supervisor and the instructor to receive credit. The course may be repeated for a maximum of four credits. Prerequisite: 2.5 GPA in major, Junior standing and permission of chair at least one semester in advance of registering for the course.

CHEM445

Forensic Science

(3,3) 4

This is a capstone class for the forensic chemistry degree. It will focus on standard and non-standard methods in forensic science. Lecture and laboratory concentrate on quantitative and qualitative drug analyses, fingerprint visualization techniques, ballistics, DNA analyses, and chemical analyses of evidence. Gas chromatography, atomic absorption spectrometry, and infrared spectroscopy techniques will be used to differentiate evidence. In this course much time will be spent on mechanisms of the analyses facilitating critical thinking skills. Prerequisites: CHEM332 and CJUS444. Note: Also listed as CJUS445.

CHEM450

Laboratory Apprenticeship

(0,3) per credit 1-2

Students will assist in laboratories, learning instructional techniques, under direction of faculty. Course may be repeated for a maximum of two credits. Students must gain approval of the faculty member in charge of the specific laboratory, and the college dean. Credits may be used as CHEM electives.

CHEM452

Advanced Biochemical and Molecular Techniques

(2,4) 4 alternate years

A course covering advanced laboratory techniques for manipulating and analyzing bio-polymers such as proteins and nucleic acids. A brief discussion of bioinformatics will be presented. Protein expression vectors, PCR, and modern molecular techniques will be explored with potential applications for chemistry, biology, toxicology, forensic, and clinical lab science. Prerequisite: CHEM351.

CHEM461

Advanced Inorganic Chemistry

(3,0) 3 alternate years

This is an every-other-year course. This course will meet for three hours per week. Advanced concepts of inorganic chemistry will be examined, including atomic structure, ionic and covalent substances, acids and bases, main group elements, and transition metal elements. Pre- or corequisites: CHEM226, 332 and 361.

CHEM462

Advanced Inorganic Chemistry Laboratory

(0,3) 1 alternate years

This is an every-other-year course. This laboratory will meet for three hours per week. Advanced concepts of inorganic chemistry will be examined in a laboratory setting.

CHEM490

Independent Study in Chemistry

(1-4,0) 1-4

Special studies and/or research in chemistry for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of department chair. Prerequisites: Students must have an overall GPA of at least 2.5, and no "I" grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the College of Natural and Mathematical Sciences office.

CHEM495

Senior Project

(0,6) 2

This is a practicum course in which students, under the guidance of a faculty mentor, conduct a scholarly project mutually agreed upon by the student and his/her faculty mentor. This course will be required for a degree certified by the American Chemical Society. This course may not be repeated for credit. Prerequisites: CHEM395 (also listed as EVRN395), CHEM231, and CHEM225. Dual listed as EVRN495.

CHEM499

Senior Seminar

(1,0) 1

Required for seniors majoring in chemistry/environmental science. Students will present the results of their scholarly research. Students who have completed CHEM/EVRN495 will be required to give poster and oral presentations to the University community as part of this class. Pre- or corequisite: CHEM395 (also listed as EVRN395). Dual listed as EVRN499.

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CHIN151

First-Year Chinese I

(4,0) 4

An introductory course designed to develop the four basic language skills in listening, speaking, reading, and writing in the target language as well as the acquisition of basic Chinese grammar and vocabulary. A communicative approach based on real-life situations. Relevant Chinese cultural aspects discussed. English used as necessary in classroom instruction.

CHIN152

First-Year Chinese II

(4,0) 4

Further development of basic language skills in listening, speaking, reading and writing with a strong emphasis on speaking reading fluency. Relevant cultural aspects briefly discussed and the target language used progressively in instruction when it fits. Prerequisite: CHIN151 or equivalent.

CHIN251

Second-year Chinese I

(4,0) 4

An intermediate-level course aiming at expanding the learner's ability to communicate in everyday life situations in the target language. Continued focus on language proficiency in listening, speaking, reading, and writing as well as further development of vocabulary knowledge and consolidation of grammatical knowledge. Social and cultural norms and conventions discussed when appropriate. Communicative approach used in instruction. Prerequisite: CHIN151, CHIN152 or equivalent.

CHIN252

Second-year Chinese II

(4,0) 4

An intermediate-level course aiming at expanding the learner's ability to communicate in everyday life situations in the target language. Continued focus on language proficiency in listening, speaking, reading, and writing as well as further development of vocabulary knowledge and consolidation of grammatical knowledge. Social and cultural norms and conventions discussed when appropriate. Communicative approach used in instruction. Prerequisite: CHIN251 or equivalent.

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CHLD101

Introduction to Early Childhood Education

(4,0) 4

This course provides an introduction to the field of early childhood. Topics include typical and atypical developmental milestones in the social, emotional, physical, intellectual and moral development of children from birth to age 8. In addition, the history of early childhood education, types of programs and issues in the field of childcare will be addressed. Field experience is required.

CHLD103

Learning Environments for the Young Child

(4,0) 4

This course explores the contributions of child development theorists, and the multiple integrated influences of family and community, to the design and implementation of early childhood learning environments. The use of space, materials, and routines in providing inclusive, safe environments is considered, as well as philosophical approaches to supporting young learners. Field experience is required. Prerequisite: CHLD101.

CHLD150

Observation and Assessment

(4,0) 4

This course provides experience with the practices and tools for observation, documentation, and assessment of young children from birth through age eight. Discussion will include the use of results of assessment for planning continued developmental and learning experiences, as well as for appropriate classroom management and guidance strategies. Field experience is required.

CHLD210

Infants and Toddlers

(4,0) 4

This course examines the design and evaluation of developmentally appropriate teaching, caregiving, and guidance practices for children from birth to 36 months. Addresses environments that provide challenging and developmentally appropriate expectations to stimulate development toward the long-term goals of autonomy, and cognitive and social-emotional growth of infants and toddlers. Field experience is required. Prerequisite: CHLD150.

CHLD225

Emergent Literacy

(3,0) 3

This course focuses on literacy acquisition theory and language development milestones for children from birth through age 8. Factors that affect reading acquisition and techniques that assist children in developing listening, speaking, reading and writing skills are also explored. Consideration of the unique needs of English Language Learners is included. Prerequisite: CHLD210.

CHLD241

STEM Foundations for the Young Child

(4,0) 4

This course explores basic concepts and skills in science, mathematics, engineering, and technology appropriate to early childhood education. Field experience is required. Prerequisites: MATH110 or higher; BIOL105.

CHLD242

Creativity & Humanities

(4,0) 4

This course examines literature, visual and performing arts, and social studies topics appropriate to early childhood education. Field experience is required. Prerequisites: ENGL111, SOCY103.

CHLD245

Early Childhood Curriculum

(3,0) 3

This course focuses on the design of developmentally appropriate practices and curriculum for young children. Emphasis is placed on planning learning activities that support positive developmental outcomes, as well as on differentiating instructional strategies for the individual child. Field experience is required. Prerequisite: CHLD150.

CHLD260

Practicum I

4

The student will complete at least 140 hours in an early childhood setting culminating in experience as a lead teacher. Seminar meetings are included. Grading will be CR/NC. Prerequisites: CHLD150 and permission of instructor.

CHLD270

Administration of Early Childhood Programs

(2,0) 2

This course focuses on the financial, legal, supervisory and administrative procedures used in operating early childhood programs, including applicable local, state, and national standards. Prerequisite: CHLD150.

CHLD310

Inclusion of Young Children with Special Needs in Early Childhood Settings

(3,0) 3

This course provides resources and models for designing and implementing quality inclusive learning environments for young children who demonstrate developmental diversity birth to age 5. Includes identification of common delays, impairments and disabilities, as well as assistive technologies appropriate for supporting continued development. Field experience is required. Prerequisite: CHLD210.

CHLD330

Philosophical Foundations of Early Childhood Education

(2,0) 2

This course expands on basic knowledge of early childhood education practices to examine and evaluate contemporary early childhood program models and philosophical foundations. Prerequisite: CHLD260

CHLD350

Early Childhood Facilities Management

(2,0) 2

This course develops an advanced level of knowledge and skills necessary for effective management of child development centers, preschools, and other facilities. Effective leadership styles are considered. Prerequisite: CHLD270.

CHLD410

Practicum II

4

Students complete at least 140 hours in an early childhood setting, with primary emphasis on curriculum and administrative responsibilities. Seminar meetings are included. Grading will be CR/NC. Prerequisites: CHLD350 and Permission of Instructor.

CHLD440

Family and Community Partnerships

(3,0) 3

This course explores the multiple integrated influences that impact the development of young children, and provides opportunities for students to develop collaborative and cooperative skills that are essential to building partnerships focused on supporting that development. The various roles of the early childhood educator as an advocate for individual children and for the community is addressed. Field experience is required. Prerequisite: CHLD310.

CHLD480

Directed Teaching: Seminar

(1,0) 1

This seminar provides a forum for students in the CHLD Directed Teaching experience to discuss issues in early childhood education, classroom management, teaching of all students and professional development. Co-requisite: CHLD492.

CHLD492

Directed Teaching: Early Childhood

5

This course is a full-time teaching practicum under the direction and mentoring of a cooperating teacher at the pre-primary level. Evolution from observation and facilitation of small group activities, to whole-class instruction of a full-teaching load in an area center. Emphasis is placed on full range of responsibilities, including family involvement and administrative responsibilities. Grading will be CR/NC. Prerequisite: Admission to student teaching internship. Corequisite: CHLD480.

CHLD495

Senior Project in Early Childhood Education

(4,0) 4

Individual research study of a relevant topic of current trends and issues in early childhood. Topic will be defined jointly by student and instructor. Requires field research and oral presentation. Prerequisite: Senior Status and Instructor's approval.

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CJUS101

Introduction to Criminal Justice

(3,0) 3

A survey of the evolution of criminal justice with particular emphasis on the development of western models of justice. Included will be the role of law enforcement, corrections, the courts and loss control.

CJUS102

Police Process

(3,0) 3

Basic principles and techniques of administration which apply to criminal justice organizations. Emphasis on decision making, authority, human relations and communication within organizations.

CJUS103

Introduction to Terrorism and Homeland Security

(3,0) 3

This course will provide learners with historical view of terrorism, its origins, methodology, and ideology. It will also provide the learner with knowledge of specific events of the 20th century related to terrorism that have formed modern terrorism. Finally it will discuss the worldwide effort on deterring and discovering

terrorist activities.

CJUS110

Introduction to Corrections

(3,0) 3

History and philosophy of correctional policy and need for correctional reform; correctional system from arrest through sentencing; correctional personnel and clients.

CJUS130

Client Relations in Corrections

(3,0) 3

Meaning and functions of culture and discrimination, minorities in Michigan, affirmative action and attitude formation; ethics, values and professional responsiveness.

CJUS140

Correctional Client Growth and Development

(3,0) 3

Emphasis on needs, identities and development of recipients of correctional services; to assist students in gaining insights into development of sensitivity to behavior and motivations of corrections clients. Specific problems of prisoners and intervention strategies are reviewed.

CJUS197

Physical Fitness for Public Safety

(0,3) 1

This course provides physical fitness and skills necessary for the law enforcement and fire science certification students. Law enforcement students (MCOLES) take course both semesters of their senior year.

CJUS201

Firearms Training

(0,2) 1

Emphasis on safe weapon handling, the fundamentals of good marksmanship, proper methods of cleaning and weapon nomenclature. A variety of weapons will be used. Students will have to provide their own targets and ammunition. Prerequisite: Criminal justice student, sophomore standing or permission of department chair.

CJUS203

Cyberterrorism

(3,0) 3

This course will examine the problem of both domestic and global Cyberterrorism/Cybercrimes. The recognition of various types of crimes committed using computers, the Internet, and other Electronic Devices. Learners will learn investigative techniques and legal issues as related to the investigation of Cybercrimes.

CJUS204

Domestic and International Terrorism

(3,0) 3

This course will examine the history and modern trends of Domestic, International and Transnational Terrorism. This will include the profile of terrorist recruits, the structure and dynamics of terrorist organizations, and government sponsored terrorism. The motivation of various organizations and their methods of terrorist violence, as well as, their justification of violent acts will be discussed. Antiterrorism and Counterterrorism measures will be analyzed.

CJUS206

Law Enforcement/Loss Control Internship

(3,0) 3

Field experience for correlation of theoretical knowledge with practice in participating law enforcement or loss control agencies. Prerequisite: Permission of the instructor or sophomore standing. Course may be elected twice for credit of six hours.

CJUS212

Loss Control

(3,0) 3

Study of security, including historical, legal and philosophical framework for various phases of security operations in our society today.

CJUS220

Institutional Corrections

(3,0) 3

A survey of the history and philosophy of correctional institutions focusing on: The use of imprisonment as a mechanism of social control, custody versus treatment, rights of prisoners, prison and jail management, institutional training programs, examination of contemporary correctional institutions, prison and jail architecture, and prisoner society.

CJUS240

Community-Based Corrections

(3,0) 3

A survey of the history, development, techniques and fundamentals of non-institutional correctional programs and services. Emphasis will be placed on the necessity of correctional programs to interact with other human service agencies within the community.

CJUS243

Investigation

(3,0) 3

Introduction to investigation and the techniques of forensic science with emphasis upon gathering and documenting information for determination of fact. Prerequisite: CJUS101.

CJUS250

Correctional Law

(3,0) 3

Survey of substantive and procedural correctional law including sentencing, probation, parole, imprisonment, fines and restitution, and prisoners rights. Case law method used, based on appellate court decisions which evolve from criminal defendant litigation and complex legal issues concerning American corrections.

CJUS303

Critical Infrastructure Protection

(3,0) 3

This course will examine the historical development of the United States modern infrastructures. The course will provide an in depth knowledge of the Critical Infrastructures and the current protection methods. The learner will then learn advanced protection techniques and vulnerability analysis skills utilized to protect the assets.

CJUS306

Security Systems

(3,0) 3

Overview of specialized areas of security in specific facilities with special attention given to management of security information. Prerequisite: CJUS212.

CJUS313

Crisis Intervention and Deviant Behavior

(3,0) 3

Survey of philosophy, theory and practice involved in the treatment of different crisis situations most commonly confronting the law enforcement officer in the performance of regular duties. Prerequisites: CJUS101 and CJUS102.

CJUS319

Substantive Criminal Law

(3,0) 3

Survey of substantive criminal law as a means of attaining socially desirable ends including protection of life and property. Deals with historical, philosophical concepts as well as case law. Prerequisite: CJUS101.

CJUS321

Ethical Issues in Public Safety

(3,0) 3

Consideration of selected issues in public safety organizations. Emphasis on the role of practitioners and relations with the various publics. Students will be given moral dilemmas and will consider their individual value system. Prerequisites: CJUS101 and CJUS102.

CJUS325

Homeland Security and Emergency Services

(3,0) 3

This course will prepare all graduates from a variety of majors to understand how homeland security impacts the US political system as a whole, but especially from

the standpoint of emergency response and preparedness. Investigates the impact of the federal homeland security apparatus on emergency response organizations at the state and local level. Includes a historical review of \"homeland security\" measures beginning in WWI and through WWII and the Korean War. Especially reviews the security situation during the Cold War. The course deals with the federal agencies usually not associated with homeland security, such as DEA, ATF, the military departments, FAA, CDC, the National Guard Bureau, and the DOD. Prerequisite: Junior standing. Students from other majors are encouraged to enroll with permission from instructor. Also listed as FIRE325.

CJUS330

Correctional Casework

(3,0) 3

The history, standards and principles of correctional casework are presented; the roles, functions and goals of casework are discussed; the competencies and training required for effective casework are considered; and correctional clients - probation and parole selection and appraisal - are concentrated upon. Prerequisites: CJUS220, CJUS240, and junior or senior standing.

CJUS341

Fire Cause and Arson Investigation

(3,0) 3

Determination of fire cause and origin and explosion causes. Prevention, documentation and legal aspects examined. Prerequisite: Junior standing.

CJUS345

Statistics and Design for Public Safety

(3,2) 4

Introduction to research methodology and designs utilized in public safety. Includes sampling, descriptive statistics, inferential statistics, sources of error in presenting findings, and preparing and reading research reports. Prerequisite: Junior standing in criminal justice or fire science and MATH088 or equivalent/satisfactory score on ACT or Placement exam.

CJUS355

Juvenile Justice

(3,0) 3

Criminological theories of the causes of juvenile delinquency and prevention strategies. The functions of the juvenile justice system including: Police, courts, detention and legal rights. The Canadian Young Offenders Act will also be studied. Prerequisites: CJUS101 and SOCY214.

CJUS384

International and Comparative Criminal Justice Systems

(3,0) 3

A survey of selected world criminal justice systems including police, courts, and corrections. Cross-national and cross-cultural criminality from several perspectives will be examined as will the globalization of crime.

CJUS401

Senior Seminar

(3,0) 3

Seminar and independent study course with individual student guidance by faculty on selected research topics in criminal justice. Prerequisite: Senior standing.

CJUS402

Criminal Justice Internship

3-9

Criminal justice internship with an agency. Credit is based on 34 hours of field work per credit hour. Students must make application by the ninth week of the previous semester. Prerequisite: Senior standing and permission of instructor.

CJUS409

Procedural Criminal Law

(3,0) 3

Principles, duties and mechanics of criminal procedures as applied to important areas of arrest, search and seizure. Prerequisite: CJUS319.

CJUS411

Police Operations

(5,0) 5

A capstone course for Michigan Commission on Law Enforcement Standards (MCOLES) Criminal Justice certification students. Court functions, domestic violence law and procedures, ethical issues, civil disputes, interpersonal relations, juvenile offenders and other related topics. Prerequisite: Senior Criminal Justice MCOLES student.

CJUS425

Women and Criminal Justice

(3,0) 3 alternate years

An examination of theories of female criminality and the treatment of women in criminal justice. Various issues relating to women as professionals in criminal justice will be covered. The unique issues which arise when females are incarcerated will also be examined. Prerequisites: CJUS101, and junior or senior standing.

CJUS444

Criminalistics

(3,3) 4

Criminalistics methodology and practice including crime scene techniques for specific offenses, collection and preservation of evidence, narcotics and dangerous drugs, fingerprinting, presentations, and other related topics. Contains MCOLES mandated hours. Prerequisite: CJUS243.

CJUS445

Forensic Science

(3,3) 4

This is a capstone class for the forensic chemistry degree. It will focus on standard and non-standard methods in forensic science. Lecture and laboratory concentrate

on quantitative and qualitative drug analyses, fingerprint visualization techniques, ballistics, DNA analyses, and chemical analyses of evidence. Gas chromatography, atomic absorption spectrometry, and infrared spectroscopy techniques will be used to differentiate evidence. In this course much time will be spent on mechanisms of the analyses facilitating critical thinking skills. Prerequisites: CHEM332 and CJUS444. Also listed as CHEM445.

CJUS484

Futures Research: Long-Range Planning for Criminal Justice

(3,0) 3 alternate years

This course will explore probable and possible futures and the impact on crime, criminality and the criminal justice system. It will explore alternative methods and systems to deal with projected change. Prerequisites: CJUS101 and CJUS102.

CJUS490

Independent Study for Criminal Justice

(1-4) 1-4

This may take the form of either a research project or a directed reading on a specific subject. One to four credits over a period of one or more semesters may be granted according to the nature of the student's project. May be repeated up to six credits. Prerequisite: Permission of instructor.

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COMM101

Fundamentals of Speech Communication

(3,0) 3

A study of communication theory as it relates to the oral sender and receiver in interpersonal, dyadic, small group, and public speaking situations. Application will be in perceptual analysis, dyadic encounters, small group problem-solving and discussion, and public speaking situations.

COMM201

Small Group Communication

(3,0) 3

Analysis of verbal communication in small groups as related to information processing, problem solving, agenda establishment, decision making and policy formation. Prerequisite: COMM101.

COMM210

Business and Professional Speaking

(3,0) 3

An introduction to basic skills, principles and contexts of communication in business and professional settings. Application will be in presentational, team-building and interviewing skills. Prerequisite: COMM101.

COMM211

Advanced Public Speaking

(3,0) 3

A grounding in upper-level public address with an emphasis on both informative and persuasive strategies. It will be taught using a combination of lecture, discussion, video analysis and critiques, and speeches. Prerequisite: COMM101.

COMM225

Interpersonal Communication

(3,0) 3

An introduction to interpersonal communication theory, with a focus on improved understanding of relationships and an improved ability to communicate more effectively with a variety of people. Prerequisite: COMM101.

COMM280

Understanding the Mass Media

(3,0) 3

Acquaints students with the basic similarities and differences in newswriting among the mass media, particularly newspapers, radio and television. Students will practice writing in the various formats. Prerequisite: ENGL110.

COMM302

Argumentation and Advocacy

(3,0) 3

Provides a practical grounding in the methods of public debate. Students are familiarized with theoretical frameworks for testing propositions through direct clash of evidence and arguments. The emphasis is on practical experience gained through experiences in oral argument. Prerequisite: COMM101.

COMM307

Classical/Contemporary Rhetoric

(3,0) 3

A study of the development of rhetoric beginning with the Greeks and continuing to the present. An emphasis will be placed on the influences of past rhetoric to current theory. Prerequisite: COMM101.

COMM308

Communication Theory

(3,0) 3

A study of the sources, dimensions and applications of contemporary communication theory, including the impact of mass communication in modern society. Prerequisite: COMM101.

COMM320

Public Relations

(4,0) 4

Public relations theory and practice will form the two emphases of the course. Theory will be explored and discussed as foundation for the application of public relations concepts and strategies. Students will be responsible for working with organizations in order to develop realistic PR campaigns which reflect the awareness of the significant structures and responsibilities involved in a professional approach

to public relations. Prerequisite: COMM101.

COMM325

Organizational Communication

(3,0) 3

Focus on oral communication as it impacts on and permits coordination among people and thus allows for organized behavior. Focus on business and organizational contexts for interpersonal transactions. Participant involvement in simulation designed to generate insights into the elements involved in coordinated and competitive organizational communication. Selected topics for theory and practice: Interpersonal transactions, communication rules, conflict management, negotiations, trust, power and influence. Prerequisite: COMM101.

COMM399

Internship in Communication

(1-4) 1-4

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. The course may be repeated for a maximum of four credits. Prerequisite: 2.5 GPA in major, junior standing and permission of department head at least one semester in advance of registering for the course.

COMM416

Communication in Leadership

(3,0) 3

An advanced application of theory from the speech communication field to issues in organizational leadership. Leadership theory is surveyed from the speech communication perspective, with an eye toward building applicable skills. Particular emphasis is laid upon cultivating the ability to continue the process following the conclusion of the course. Prerequisite: COMM101.

COMM490

Senior Directed Study in Communication

3-4 3-4

This course is designed to allow communication majors the opportunity to develop and implement a project/paper using the skills and knowledge from their previous course work. Projects/papers should relate to a student's individual areas of interest within the communication discipline, and represent a synthesis of their previous learning under the supervision of an appropriate faculty member. Prerequisites: senior status and approval of the appropriate chair(s).

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CSCI 101

Introduction to Microcomputer Applications

(2,2) 3

The study of a selection of contemporary microcomputer applications, including

operating systems concepts, word processing, spreadsheets, database management systems, and the Internet and World Wide Web. Brief survey of other applications, such as presentation graphics, multimedia usage and desktop publishing. Does not apply toward credit in computer science major or minor.

CSCI 103

Survey of Computer Science

(2,2) 3

An introduction to the field of computer science for computer science majors. Microcomputer applications, history of computing, computer networks and the Internet, programming, hardware, theory of computation, artificial intelligence.

CSCI 105

Introduction to Computer Programming

(2,2) 3

An introductory course in computer programming in a graphical development environment, intended for students with no prior computer programming experience. Arithmetic, control structures and simple data structures. Sound, graphics and animation. Prerequisite: MATH086 or equivalent/satisfactory score on the ACT or Placement Exam.

CSCI 106

Web Page Design and Development

(2,2) 3

Topics include planning a web site starting with domain name registration and selection of hosting service providers, creating web page using HTML/XHTML and cascading styles sheets; validating web pages; using web authoring tools such as Dreamweaver; publishing web pages to a remote web server, introductory web site design, including best practices for inserting graphics, page layout, building the web site navigation and user interface, integration of third-party and Web 2.0 tools and software, implementing web and accessibility standards, ethical and legal issues such as copyright and trademarks.

CSCI 107

Web Graphic Design and Development

(2,2) 3

Apply graphic design, typography, color theory, and image composition to enhance a web site. Create web graphics using Adobe Photoshop and Microsoft Expression Design. Insert graphics into web pages and publish web sites using Adobe Dreamweaver and Microsoft Expression Web.

CSCI 121

Principles of Programming

(4,0) 4

A broad-based introduction to computer programming, using the C++ programming language and basic operating system features as vehicles. Basic programming principles, including built-in and programmer-defined data, operators, functions and control structures. Introduction to classes and dynamic memory allocation. Text manipulation and parsing, binary files, and exception handling. C-style input and output. Applications will be drawn from across the discipline of computer science. Prerequisite: CSCI105 and MATH102 (or equivalent math placement) with a grade

of C or better in both classes.

CSCI 163

Troubleshooting and Repair of Personal Computers

(2,2) 3

A basic introduction to the architecture, installation, maintenance, troubleshooting and repair of personal computers. The student will learn elementary principles of electronics, magnetism and interference as they relate to computer repair and operation. The disassembly and upgrading of a personal computer will be covered in the laboratory as well as the use of diagnostic hardware and software.

CSCI 201

Data Structures and Algorithms

(4,0) 4

An introductory course in data structures and algorithms, with an emphasis on abstraction, implementation and analysis. Advanced class concepts, including operator overloading, Linked lists, stacks, queues, trees and binary trees. Separate compilation and third-party libraries. Application of various data structures to problems selected from the spectrum of computer science topics. Prerequisites: CSCI121 with a grade of C or better and MATH111 (or equivalent math placement) with a grade of C or better.

CSCI 207

Developing Multimedia and Rich Interactive Web Sites

(2,2) 3

Transform static web pages into rich media-based interactive web applications. Apply graphic design and marketing principles to design and produce audio and video components for both consumers and commercial web applications. Using Adobe Flash and Microsoft Silverlight, build rich interactive web applications. Publish web sites to a web server. Prerequisite: CSCI107 with a grade of C or better.

CSCI 211

Database Applications

(3,0) 3

An introductory course in database design and implementation, using microcomputer-based relational database software. Single and multi-table databases, forms and reports, query processing, data import and export, and database-related programming. Prerequisite: CSCI105 with a grade of C or better.

CSCI 221

Computer Networks

(2,2) 3

An introduction to the basic principles of computer networks and communication, exploring both the hardware necessary to support computer networks and the software needed to utilize those networks. Basic network topologies, network protocols, and local and wide-area networks. Prerequisites: CSCI103 and 105 with a grade of C or better.

CSCI 223

Routers and Switches I

(2,2) 3 alternate years

Principles of Wide Area Networks, IQs, routers, routing protocols and configurations; hands-on training with industry-standard routing and switching equipment. Prerequisite: CSCI221 with a grade of C or better.

CSCI225

Routers and Switches II

(2,2) 3 alternate years

Routing protocols, virtual LANs, network management, design of LANs and WANs. Students completing this course will be prepared to take the CCNA certification exam. Prerequisite: CSCI223 with a grade of C or better.

CSCI248

Network Operating Systems I

(2,2) 3

An introduction to using and administering network operating systems. Students will also be introduced to virtualization of machines, as well as interaction between virtualized machines. Topics include: account setup, basic security, file and device sharing, and maintenance. Course topics will be presented in the context of different network operating systems. Prerequisite: CSCI221 with a grade of C or better.

CSCI263

Managing Computer Security

(3,0) 3

This course investigates the various security protection and recovery techniques available for networks and personal computers including security policies, procedures, and requirements necessary for protecting the integrity of information stored on networks, workstations, and other computer systems. Other topics include discussions on disaster recovery planning, emergency response teams, threat assessment, detection and remediation of a threat, standards for establishing a security framework, and operations security and production controls. Prerequisite: CSCI101 or CSCI103 with grade of C or better.

CSCI275

Web Server Administration

(2,2) 3

Install and configure a web server; identify the web server administrator role; monitor web server performance and log files; configure file transfer and email services; secure the server. Plan and configure an e-commerce web site. Prerequisites: CSCI221 and CSCI248, both with a C or better.

CSCI281

Introduction to UNIX and Networking

(2,2) 3

An introduction to the UNIX operating system, shell scripting, and UNIX networking from the user's perspective. Topics include basic and intermediate UNIX commands and file structure, regular expressions, BASH/CSH shell scripting, basic UNIX network setup, introduction to UNIX system daemons and networking services. Prerequisite: CSCI221 or 271 with a grade of C or better.

CSCI 290

Independent Study in Computer Science

(1-4,0) 1-4

Special studies and/or research in computer science for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the department head. This course may be repeated for a maximum of eight credits. Prerequisites: Sophomore standing or higher.

CSCI 291

Computer Science Project

(4,0) 4

This is a hands-on course where the student is assigned a project at a corporate site. The student is expected to spend at least 8 - 10 hours a week on the project. Topics for the project may include creating a substantial Web site, designing and implementing an application system for a user, modifying and updating an existing software system, or other related projects. The projects will vary each semester. Prerequisites: CSCI201 with a grade of C or better.

CSCI 292

Computer Networking Project

(4,0) 4

This is a hands-on course where the student is assigned a project in a corporate network setting. The projects will vary each semester to allow students to implement their knowledge to create and maintain a real-world network system. Activities could include the wiring of the network, installing and maintaining users, installing and repairing workstations, maintaining a Novell or Microsoft network, monitoring an NDS tree, and other similar activities. The student is expected to spend at least 8-10 hours per week on the project including hours on site, doing research, and writing weekly report logs. Prerequisite: CSCI106 and 107, both with a grade of C or better, or CSCI163 and CSCI221, both with a grade of C or better.

CSCI 321

Computer Graphics

(3,0) 3 alternate years

An introduction to the generation of graphical images by computer. Survey of common graphics devices. Generation of lines and curves. Representation of two-dimensional objects. Techniques for area filling. Scaling, rotation and translation in two dimensions. Rendering three-dimensional objects by projections. Scaling, rotating and translating in three dimensions. Hidden line and hidden surface detection and removal. Prerequisites: CSCI201, and either MATH112 or 151, all with a minimum grade of C.

CSCI 325

Developing Web Applications with JavaScript and PHP

(2,2) 3

Transform static web sites into dynamic web sites using a combination of client and server-side web programs. Process and validate forms, build interactive web sites, manage web databases and publish web sites to a web server. Prerequisites: CSCI121, CSCI211 with a grade of C or better.

CSCI 326

Developing Web Applications with ASP.NET

(2,2) 3

Create and publish web server and web database applications using the Microsoft ASP.net framework; Emphasis on improving performance, security, and isolating business logic from the user interface. Prerequisites: CSCI121, CSCI211 with a grade of C or better.

CSCI 341

Discrete Structures for Computer Science

(4,0) 4 alternate years

Formal logic and proof techniques; recursion, recurrence relations and combinational methods; analysis of algorithms; algebraic structures; trees and graphs; Boolean algebra and computer logic; models of computation and formal languages. Emphasis will be on applications to computer science. Prerequisites: CSCI121 with a grade of C or better, and either MATH112 or 151 with a grade of C or better.

CSCI 342

Advanced Programming Techniques

(4,0) 4 alternate years

Advanced data structures including general trees and graphs. Advanced programming techniques, including: divide and conquer, dynamic programming, greedy algorithms, graph algorithms, balanced trees. Emphasis will also be placed on the software development process, debugging and testing methodologies. Prerequisites: CSCI201 with a grade of C or better.

CSCI 348

Network Operating Systems II

(2,2) 3

A continuation of using and administering network operating systems. Students will also be introduced to virtualization of servers, as well as interaction between virtualized machines. Topics include: file system and network service management, remote access, security, printing, and disaster recovery. Course topics will be presented in the context of different network operating systems. Prerequisite: CSCI248 with a grade of C or better.

CSCI 351

Mobile Application Development

(3,0) 3

Introduction to the development of applications for smart phones and tablets; using a simulator and provisioning to mobile devices; user interfaces, touch events, data management, and graphics; interaction with camera, accelerometer, and location hardware. Prerequisite: CSCI121 with a grade of C or better.

CSCI 371

Multi-Platform Application Development

(3,0) 3

The design and implementation of applications across multiple platforms, with a goal of a similar or identical code base between versions. The course covers a variety of programming environments, as well as a variety of platforms. Focus will

be on comparison between programming languages, as well as the strengths and weaknesses of various programming environments and models for a uni-platform vs a multi-platform approach. Prerequisite: CSCI121 and either CSCI281 or CSCI201 all with a grade of C or better.

CSCI 411

Advanced Database and Project Management

(3,0) 3 alternate years

Designing and implementing an enterprise-level database. Creating interfaces to database systems from common programming language platforms. Capturing requirements, process modeling, project scheduling, documenting, testing, delivering and maintain a system. Prerequisites: CSCI201 and CSCI211, each with a minimum grade of C.

CSCI 412

UNIX Network Administration

(2,2) 3

Network administration how to and issues for Linux. Installation of a Linux networked system, maintenance and upgrade of a Linux installation, security issues, common scripting languages, system admin tasks, NFS, and mail systems; other UNIXes. Prerequisites: CSCI221 and 281, both with a grade of C or better.

CSCI 415

Computer Organization and Architecture

(3,0) 3

A hardware-orientated introduction to the structure of modern computer systems, emphasizing the role of, and interrelationships between, the various components. The evolution of modern computer systems. Memory organization, peripheral devices and their connectivity. Instruction sets, arithmetic and central processing unit structure. Control unit organization and operation. Alternative computer architectures. Parallel computing for both SMP and MIMD models. Prerequisite: CSCI201 and either CSCI351 or CSCI371 with a grade of C or better.

CSCI 418

Senior Project I

(1,4) 3

This course is the first part of the two-part sequence CSCI418/CSCI419. The student will begin a two-semester capstone experience that will include one of the following: a software project; a network implementation; a co-operative education position with an external company; or a research project. The experience must include the fulfillment of customer-generated requirements. The projects/experiences will vary each year to allow students to experience work in a real-world environment. Students in CSCI418 must take CSCI419 the following semester. Prerequisite: CSCI291 or CSCI292 with a C or better and permission of instructor.

CSCI 419

Senior Project II

(1,4) 3

The second of a two-part sequence, CSCI419 provides students with the skills necessary for completion of their two-semester capstone experience that will

include one of the following: a software project; a network implementation; a cooperative education opportunity with an external company; or a research project. The experience must include the fulfillment of customer-generated requirements. The projects/experiences will vary each year to allow students to experience work in a real-world environment. Students in CSCI418 must take CSCI419 the following semester. Prerequisite CSCI418 with a C or better and permission of the instructor.

CSCI422

Network and Computer Security

(2,2) 3

An advanced look at common computer and network exploitation techniques in use today. Course emphasis is on how exploits work (both the exploiter's perspective as well as the software faults that allow these exploits to exist), what can be done with the exploits, as well as mitigation and solution techniques for containing the damage to the administered systems. Prerequisites: CSCI121, 221, 333 and 412.

CSCI434

Operating Systems Concepts

(3,0) 3 alternate years

Definition and historical development of operating systems. Characteristics of batch, interactive and multiprogramming systems. File systems, processor and memory management. Communication, concurrency, deadlock, protection, parallel and distributed systems. Case studies of modern operating systems. Prerequisite: CSCI201 with a minimum grade of C.

CSCI490

Individualized Research Topics in Computer Science

(1-4,0) 1-4

Special studies and/or research in computer science for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the department head. This course may be repeated for a maximum of nine credits. Prerequisites: Junior standing or higher.

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DANC101

Ballet I

(0,3) 1

An introduction to the art of classical ballet, its traditions, history and vocabulary. Class will include barre exercises, center floor work, exercises in strength and flexibility. A final exam of performance will be given at the end of the semester. This course may be repeated twice for credit.

DANC110

Dance Company

(0,2) 1

The Dance Company class will meet each week to work on technique in a variety of dance styles, choreograph and rehearse in preparation for outreach programs and performance. The goal of this course is to produce high quality, pre-professional

level performance and to serve the community, both on and off campus by providing performances that are entertaining and educational. Prerequisites: A minimum of 2 years dance training and instructor's permission. Course may be repeated for a maximum of 8 credits.

DANC125

Modern Dance I

(0,3) 1

Modern dance will introduce students to dance through the exploration of freedom of movement and self expression. Class will include warm-up exercises, dance combinations, experiments in creativity and choreography and exercises in flexibility and strength to prepare the body to move more efficiently. To familiarize students with the history and variety of modern dance. This course may be repeated once for credit.

DANC130

Scottish Highland Dance

(0,3) 1

Introduction to basic movements, steps and terminology of Highland dance. Emphasis on fundamentals of footwork and introduction to the history and cultural background of Scottish dance. Dances will include the Highland Fling and Sword Dance along with Scottish Country dances. Students will be given opportunities to perform and compete. No previous dance training is necessary. This course may be repeated once for credit.

DANC201

Ballet II

(0,3) 1

A continuation of the art of classical ballet. Steps, exercises and combinations are done at an accelerated pace. Movements are more technical and intricate. Pre-pointe and pointe work can be done. Performance will be given at the end of the semester. Prerequisites: Ballet I, or previous ballet training, and instructor permission. This course may be repeated twice for credit.

DANC205

Creative Movement for Elementary Educators

(1,4) 3

Exploration of movement as a means to improve communication, body/kinetic awareness, creative expression, self-confidence, self-esteem and perceptual motor development. Focus on teaching, creativity, and lesson planning with elementary school students. Prerequisite: Student should have an interest in working with young children. No previous dance experience is necessary.

DANC210

Movement for Actors

(1,4) 3

An active study in the principles and techniques of stage form, style, and projection necessary for actors or dancers. Helping actors/dancers to move more efficiently on stage. Emphasis on the breath, tension and relaxation, improvisation, body alignment and movement skills including the elements of dance, movement qualities, posture, and physical exercise to help the body move effectively beyond

physical constraints. Prerequisite: Strong interest in theatre, or dance recommended.

DANC220

Musical Theatre Tap/Jazz

(0,3) 1

Introduction to dance appropriate for use in Musical Theatre. Dance to support musical storyline. Several styles of jazz technique along with modern concepts, basic steps, terminology, combination, turns and leaps. Beginning tap: basic steps, patterns, turns and combinations. This course may be repeated twice for credit.

DANC225

Modern Dance II

(0,3) 1

A more concentrated and vigorous study of modern dance. Exploration of freedom of movement, creative self-expression, trust and partner work. Modern dance techniques and movements will be honed. Students will be responsible for researching past works and modern dancers. Students will be expected to create individual as well as group pieces. Prerequisite: DANC125 or permission of instructor. This course may be repeated once for credit.

DANC301

Ballet III

(0,3) 1

Sequential training in technique, vocabulary and performance of classical ballet. Emphasis on placement, alignment, flexibility and dance movement at a more technical, intricate and accelerated pace. Point and pre-point work. This course may be repeated two times for a maximum of 3 credits. Prerequisites: DANC101 and DANC201, or permission of instructor.

DANC305

Dance History

(3,0) 3

Focus on dance chronologically throughout the world during early lineage based societies, the Middle Ages in Asia and Europe, the Renaissance, and dance in America. Theatrical dance genres, ballet, modern, tap, jazz and musical theatre will be viewed, reviewed and discussed as well as personal views of dance in contemporary society. Prerequisite: students with a strong interest in dance along with a dance background in ballet, or modern dance is recommended.

DANC310

Choreography

(1,4) 3

Choreography is the art of making dances. As a result of a semester filled with reading, reflection, experimenting, examining and sharing dance, students will create multiple short dances and a final project. Students may be responsible for producing a student dance concert to showcase their work. Prerequisite: At least two years of previous dance training in ballet, or modern dance is highly recommended, and permission of instructor.

DANC401

Senior Thesis

1-4 4

A final project submitted by senior students. Course credits will be determined by the magnitude of the project. Prerequisites: Student should be pursuing a dance minor, or have completed at least 3 years of dance technique, courses in Choreography, Dance History, and at least 2 semesters of Dance Company with a minimum of 4 formal performances. Permission of Instructor. This course may be repeated for a total of 4 credits.

DANC402

Advanced Dance Studies

(0,3) 1

This course is designed to provide students with opportunities to explore advanced studies in ballet or modern dance and to apply their studies in production. Students will be encouraged and guided as they develop, direct, produce and/or choreograph a successful, high quality dance stage production. Prerequisite: Completion of DANC301, DANC310 and permission of instructor.

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DATA225

Word Processing Techniques

(3,0) 3

Students will cover basics of word processing including document creating, saving, printing, and some advanced features such as table, merge, graphics and report formatting. Hands-on experience is scheduled in labs outside of classroom hours.

DATA231

Database

(3,0) 3

In this course, students will cover advanced database applications in business including creating database tables, forms, reports, mailing labels and charts; creating relationships between database tables; using database wizards; and performing queries and filtering records. A student may repeat this course covering a different database management system for a maximum of six credit hours.

DATA235

Spreadsheets

(3,0) 3

In this course, students will cover advanced spreadsheet applications in business including writing and working with formulas; creating templates; finding and organizing information by filtering, sorting and subtotaling; working with multiple worksheets; creating charts; working with data tables and scenario management; and importing data into spreadsheet software. A student may repeat this course covering a different spreadsheet software program for a maximum of six credit hour.

DATA250

Desktop Publishing and Presentation Design

(3,0) 3

Introduction to document design and layout, use of font, color and graphics to produce newsletters, brochures and presentations. Concepts included are presentation preparation and delivery. Graphics software will be used. Prerequisites: ENGL111 and a working knowledge of word processing.

DATA261

Multimedia Applications

(3,0) 3

In this course, students will be introduced to the design and production of Web sites. Graphics, animation, and sound will be incorporated in the creation of interactive Web pages. Macromedia Studio, which includes Dreamweaver and Flash, will be used.

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ECON201

Principles of Macroeconomics

(3,0) 3

Nature and scope of economics; national income accounting; problems of unemployment and price instability; public revenues and expenditures; money and banking; fiscal and monetary policies to promote stability and economic growth. Prerequisite: Two years of high school algebra and equivalent/satisfactory score on ACT or Placement Exam or MATH102 with a grade of C or better.

ECON202

Principles of Microeconomics

(3,0) 3

Principles of economic reasoning; supply and demand analysis; theories of production; price and output determination under each of the four market structures; factor returns and income distribution theories; public policy implications. Prerequisite: Two years of high school algebra and equivalent/satisfactory score on ACT or Placement Exam or MATH102 with a grade of C or better.

ECON302

Managerial Economics

(4,0) 4

A study of the application of economic analysis to managerial decisions. Topics include the firm and its environment, demand estimation, production and cost analysis, optimization and profit maximization, analysis of markets, pricing strategy and analysis of project decisions. Prerequisite: MATH112 or equivalent.

ECON304

Money, Banking and Monetary Policy

(3,0) 3

Monetary theory; study of financial institutions and central bank authorities; monetary policy and its limitations; changing structure of financial markets and

industry; relationships between money, prices and national income. Prerequisite: ECON201.

ECON305

Public Finance

(3,0) 3

The economics of public finance, including taxation, public expenditures and fiscal policy. Rationale and objectives of government activity in a market system; distribution of tax burden; income redistribution effects of taxation and expenditure programs. Prerequisite: ECON201 or 202.

ECON307

Environmental Economics

(3,0) 3

This course examines the application of economic analysis to problems of air, water, forests, fisheries, energy, and soil use; economic approaches to valuing the environment; the benefits and costs of pollution control; and alternative policy approaches to environmental problems with emphasis on emissions trading. Prerequisite: ECON202.

ECON308

Intermediate Microeconomics

(3,0) 3

Theory of demand; consumer choice and utility analysis; production and cost analysis; price-output determination under the four market structures; resource allocation; public policy and managerial applications emphasized. Prerequisite: ECON202.

ECON309

Intermediate Macroeconomics

(3,0) 3

Determinants and measurement of national income; theories of consumption and investment; aggregate economic analysis including IS-LM and aggregate demand-aggregate supply models; unemployment and inflation; stabilization policies; economic growth. Prerequisite: ECON201.

ECON407

Introductory Econometrics

(3,0) 3

This course provides an introduction to the theory and use of regression analysis to solve problems in economics. The classical regression model is developed and extended to multiple regression. Topics include data problems, model specification, multicollinearity, goodness of fit, qualitative independent variables, heteroscedasticity, serial correlation, qualitative and limited dependent variables, and forecasting. Prerequisites: BUSN211 or MATH207, ECON201, 202, MATH112 or 151.

ECON408

International Economics

(3,0) 3

Pure theory of trade and comparative advantage; free trade versus protectionism; trade problems of developing nations; balance of payment accounting; exchange rates; international monetary systems. Prerequisites: ECON201 and 202.

ECON409

Seminar in Economics

(1-2,0) 1-2

Discussion of economic issues, theories and their applications. May be repeated for credit with the approval of the instructor for a total of four credits.

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EDSE301

Introduction to Special Education

(3,0) 3

An introduction to the historical and legal bases of special education. Research based examination of the models, theories and philosophy of teaching students with disabilities. Prerequisites: admission to the School of Education. This course may NOT be repeated for credit.

EDSE302

Communication and Community

(3,0) 3

Developing effective communication between all participants in the educational community involved in the education of students with special needs. Topics include preparing and implementing IEPs and communication with parents, students and teachers. Prerequisite: EDSE301.

EDSE320

Introduction to Learning Disabilities

(4,0) 4

An examination of the educational research, characteristics, diagnostic principles and practices related to teaching students with learning disabilities. Psychological theories (e.g. developmental, behavioral, and cognitive) of teaching students with learning disabilities and associated learning strategies are reviewed. Prerequisites: EDSE301, EDSE302.

EDSE401

Issues and Trends Impacting Learning Disabilities & Special Education

(3,0) 3

Contemporary issues in the education of students with learning disabilities and other special needs will be explored. Policies and regulations, requirements and procedures for service, curriculum adaptation and modification, delivery models relating to placement, privacy, advocacy, and family education will be discussed. Prerequisite: EDSE302.

EDSE403

Assessment and Diagnosis

(3,0) 3

An examination of the education research and best practices related to identification, assessment, instruction, accommodation, and implementation of special education programs. Legal responsibilities of the school in the areas of assessment, diagnosis, and diversity will also be addressed. Prerequisites: EDSE301, EDSE320.

EDSE404

Instruction and Technology: Preschool to Adult

(4,0) 4

An examination of the research and best practices using assistive technologies to increase, maintain or improve the capabilities of students with disabilities. Prerequisites: EDSE320, EDSE403.

EDSE480

Student Teaching Seminar: Special Education

(1,0) 1

A seminar for teacher candidates during a student teaching internship in a special education classroom. Corequisite: EDSE492. Prerequisites: EDSE320, EDSE403, and EDSE404, and admission to student teaching. The course may NOT be repeated for credit.

EDSE492

Internship/Supervised Student Teaching: Learning Disabilities

(8,0) 8

Supervised student teaching internship in a special education classroom, focus on working with students with learning disabilities. Grading will be CR/NC. Corequisite: EDSE480. Prerequisites: EDSE320, EDSE403, EDSE404 and admission to student teaching. The course may NOT be repeated for credit.

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EDUC250

Student Diversity and Schools

(4,0) 4

This course will examine the impact of diversity on students and educational systems through the consideration of the historical and philosophical foundations of schooling, the impact of diversity on students' participation in the system, and the characteristics of effective teaching practice to meet the needs of diverse learners. Field experience in an Eastern Upper Peninsula elementary or secondary school is required. Prerequisite: ENGL111.

EDUC301

Educational Psychology and Learning Theory

(3,0) 3

This course focuses on research-based theories of learning and learning processes, the role of the teacher in supporting the process, and alternatives for evaluation of learning outcomes. Field experience is required. Prerequisites: EDUC250 and

admission to the teacher education program.

EDUC330

Reading in the Elementary Classroom

(3,0) 3

This course examines reading as a process of constructing meaning through dynamic interaction among reader, the text, and the context of the reading situation. Content includes objectives, content, materials, organization and methods of teaching reading in the elementary school. Fieldwork required. Prerequisite: Admission to the teacher education program. Pre- or co-rerequisite: EDUC301.

EDUC350

Integrating Technology into 21st Century Learning Environments

(2,2) 3

This course explores instructional technology tools, educational media, theory, and practice with the goal of designing consummate learning experiences with seamless technology integration for all students. Application of technology and learning theory to planning for instruction is included, with specific focus on setting outcomes for learning. Prerequisites: Admission to the teacher education program, EDUC301.

EDUC410

Corrective Reading in the Classroom

(3,0) 3

This course considers methods for the classroom diagnosis of students' reading strengths and weaknesses. Techniques for planning and implementing corrective and remedial interventions based on diagnosis are presented and applied. Fieldwork required. Prerequisite: EDUC330.

EDUC411

Elementary Language Arts and Literacy Skills

(2,0) 2

This course studies methods of teaching language arts as literate activity and the use of a research base for the social context of children's learning. Emphasis is on the emergence of literacy in elementary students. Fieldwork required. Prerequisites: EDUC415, admission to teacher education program.

EDUC415

General Instructional Methods

(2,0) 2

This course provides opportunities to study and apply research-based instructional methodologies to facilitate effective learning with an emphasis on differentiation and authentic assessment. Fieldwork required. Prerequisites: Admission to the teacher education program, EDUC350.

EDUC420

Math Methods for Elementary Teachers

(2,0) 2

This course studies strategies and methodologies that facilitate effective

mathematics instruction. Students develop and present mathematics lessons and units using national, state and local standards in planning instruction and assessment. Emphasis is placed on effective integration of technology in learning and assessment. Fieldwork required. Prerequisites: MATH103, MATH104, EDUC415 and admission to teacher education program.

EDUC421

Science Methods for Elementary Teachers

(2,0) 2

This course studies strategies and methodologies that facilitate effective science instruction. Students develop and present science lessons and units using national, state and local standards in planning instruction and assessment. Emphasis is placed on effective integration of technology in learning and assessment. Fieldwork required. EDUC415 and admission to teacher education program.

EDUC422

Social Studies Methods for Elementary Teachers

(2,0) 2

This course studies strategies and methodologies to facilitate effective social studies instruction. Students develop and present social studies lessons and units using national, state and local standards in planning instruction and assessment. Emphasis is placed on effective integration of technology in learning and assessment. Fieldwork required. Prerequisites: EDUC415 and admission to teacher education program.

EDUC423

Arts Methods for Classroom Teachers

(2,0) 2

Elementary teacher candidates examine the knowledge, understanding, and application of the content, functions, and achievements of dance, music, theatre, and the visual arts to promote elementary students' ability to create, perform and respond in and through the arts. Candidates demonstrate their understanding that all students can learn the knowledge and skills that make up the arts.

EDUC424

Health/Physical Methods for Classroom Teachers

(2,0) 2

Elementary teacher candidates demonstrate the knowledge, understanding, and application of research-based strategies to create opportunities for all students to develop critical knowledge, skills, and behaviors that contribute to life-long health. Candidates demonstrate knowledge and understanding through planning and appropriate implementation of effective past and current research-based human movement and physical activity strategies as central elements to foster active, life-long healthy lifestyles for all elementary students.

EDUC430

General Methods for Secondary Teachers

(3,0) 3

A study of strategies and methodologies to facilitate learning at the secondary level including classroom management and organization for productive learning communities. The multiple roles of the teacher in the secondary classroom are

examined including participant, colleague, researcher, reflective practitioner, accountable professional, counselor and mentor. Integrated technology component. Fieldwork required. Prerequisites: EDUC150, 250, 301 and admission to the teacher education program.

EDUC431

The Secondary Learner

(3,0) 3

A study of the dilemmas of adolescents as they affect students in secondary schools. The course focuses on the special needs and sensitivities of adolescents and implications for instruction and classroom management. Integrated technology component. Fieldwork required. Prerequisites: EDUC150, 250, 301 and admission to the teacher education program.

EDUC440

Reading in the Content Area

(3,0) 3

A study of reading methods appropriate to use in secondary classrooms. Includes formal and informal assessment procedures for determining students' abilities and the accompanying strategies to enhance content area comprehension and concept development. Students use national and state standards and benchmarks in planning instruction and assessment. Integrated technology component. Fieldwork required. Prerequisites: EDUC150, 250, 301 and admission to the teacher education program.

EDUC441

English Language Arts Methods for Secondary Teachers

(3,0) 3

This course applies general instructional strategies and methodologies to specific language arts and English content. Students develop and present English lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC442

Math Methods for Secondary Teachers

(3,0) 3

This course applies general instructional strategies and methodologies to specific mathematics content. Students develop and present math lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC443

Science Methods for Secondary Teachers

(3,0) 3

This course applies general instructional strategies and methodologies to specific science content. Students develop and present science lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC444

Social Studies Methods for Secondary Teachers

(3,0) 3

This course applies general instructional strategies and methodologies to specific social studies content. Students develop and present social studies lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC445

Teaching Computer Science in the Secondary Classroom

(3,0) 3

This course applies general instructional strategies and methodologies to specific computer science content. Students develop and present computer science lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC447

Theories and Methods of Teaching World Languages

(3,0) 3

This course applies general instructional strategies and methodologies to specific world language content and second language acquisition. Students develop and present lessons and units using national, state, and local standards for planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC451

Directed Study in English Language Arts Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific language arts and English content. Students develop and present English lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC441. Prerequisite: EDUC415 or EDUC430.

EDUC452

Directed Study in Math Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific mathematics content. Students develop and present mathematics lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC442. Prerequisite: EDUC415 or EDUC430.

EDUC453

Directed Study in Science Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific science content. Students develop and present science lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC443. Prerequisite: EDUC415 or EDUC430.

EDUC454

Directed Study in Social Studies Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific social studies content. Students develop and present social studies lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC444. Prerequisite: EDUC415 or EDUC430.

EDUC455

Directed Study in Computer Science Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific computer science content. Students develop and present computer science lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC445. Prerequisite: EDUC415 or EDUC430.

EDUC457

Directed Study in World Language Teaching Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific world language content and second language acquisition. Students develop and present lessons and units using national, state, and local standards for planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC447. Prerequisite: EDUC415 or EDUC430.

EDUC460

Classroom Management

(2,0) 2

This course focuses on effective classroom management techniques essential to creating a positive, democratic learning environment. Exploration of management

techniques and theories leads to a development of personal classroom management system to help students become responsible for their behaviors and choices.
Prerequisite: EDUC415.

EDUC480

Directed Teaching Seminar

(2,0) 2

This seminar provides a forum for students in the Directed Teaching experience to discuss issues in teacher education, classroom management, teaching of all students and professional development. Co-requisite: EDUC492.

EDUC490

Research Topics in Education

(1-4) 1-4

Individual study under supervision of teacher education faculty member. May be repeated to a maximum of four credits. Prerequisites: admission to the teacher education program, senior status and permission of instructor.

EDUC492

Directed Teaching

10

This course is a full-time teaching practicum under the direction and mentoring of a k-12 cooperating teacher. Evolution from observation and facilitation of small group activities, to whole-class instruction of a full-time teaching load in an area school. Emphasis is placed on maintaining classroom communities that ensure equitable access to important knowledge and skills. Grading will be CR/NC. Prerequisites: Admission to student teaching internship. Corequisite: EDUC480.

EDUC624

Reading: Research and Methodologies

(3,0) 3

Theories, research, and methods focused on enabling students to become self-regulated readers who effectively use multiple strategies in their reading. Strategic processes in comprehension, word identification, critical thinking, and analysis will be examine as will the role of the teacher as a model and mediator of such processes in a variety of reading contexts. Pre-requisite: Admission to MA C&I program or permission of instructor.

EDUC635

Applying: [specify course title by section]

1

A directed study course applying the content knowledge developed through approved EDUC 900-level sections within the context of curriculum and instruction. The student will develop three research based teaching units based on content appropriate to the grade level of their teaching certificate/endorsements (K-12), and/or a research project or paper as determined by the instructor and approved by the LSSU Department of Education. Prerequisite: admission to the MA-C&I program or approved plan of study, permission of instructor. Co- or Prerequisite: concurrent enrollment or successful completion (B or higher) of an approved 900-level section. Course may be repeated up to three times for credit with permission of the graduate coordinator or Dean, up to once per section number or course title.

EDUC690

Special Topics

1-3

Courses and workshops designed to meet the special needs of K-12 teachers, e.g. workshops approved by the School of Education for graduate credit. The transcript will specify the specific content, e.g. Special Topics (K-4 Mathematics), etc. Approval of the School of Education is required to apply credits earned through special topics courses in the MA C&I program. May be repeated for credit when content varies. Prerequisite: Admission to the MA C&I program or approval of instructor.

EDUC910

Special Topics: [specify course title by section]

1-3

Topical courses in education based on independent or directed study, workshops or other professional development activities. Courses addressing the continuing education requirements of educational professionals (e.g. regular or special educators, instructional assistants, school psychologist, counselors). *Successful completion of this course will award non-matriculated graduate credit which may apply to the renewal of professional certificates/credentials but which does not apply to an LSSU graduate degree. Course number may be repeated when content and course title vary, once per section Grading: S=satisfactory, equivalent to a B or higher in graduate courses or NC=no credit. Tuition for non-matriculated graduate credit will be established by the Board of Trustees.

EDUC920

Special Topics: [specify course title by section]

2

Topical independent study courses in education delivered in partnership with Virtual Education Software. Courses addressing the continuing education requirements of educational professionals (e.g., regular or special educators, instructional assistants, school psychologist, counselors). This course requires DSL-level or higher internet and access to a computer for course assignments and to participation in online sessions and discussion boards. Sections of this course are based on curriculum developed by Virtual Education Software (VESi) and include additional assignments and group interaction including synchronous and asynchronous communication supervised by LSSU faculty. *Successful completion of this course will award non-matriculated graduate credit which may apply to the renewal of professional certificates/credentials but which does not apply to an LSSU graduate degree except at noted in EDUC635. Specific course titles under this number will be listed on the LSSU education web site, and are available through a cooperative contractual agreement with VESi. Course number may be repeated when and course title vary, once per section Grading: S=satisfactory, equivalent to a B or higher in graduate courses or NC=no credit. Tuition for non-matriculated graduate credit will be established by the Board of Trustees.

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EGEE125

Digital Fundamentals

(3,2) 4

This course provides a study of numbering systems, Boolean algebra, optimization and reduction techniques, combinational logic, sequential digital logic, digital arithmetic, counters, multiplexers, demultiplexers, and microcomputer memory devices. Emphasis is placed on digital circuit design and contemporary programmable logic concepts. Prerequisite: EGNR101 or EGNR103. Pre or Corequisite: MATH111 and MATH131.

EGEE210

Circuit Analysis

(3,3) or (3,3,1) 4

This course is an introduction to the analysis of linear circuits. Topics include: basic circuit elements and their terminal relations, Kirchoff's laws, nodal analysis, mesh analysis, superposition theorem, Thevenin and Norton equivalent circuits, DC transient analysis of RC and RL circuits, phasors, sinusoidal steady-state response of RLC circuits and single-phase and three-phase AC power analysis. Prerequisites: MATH152, EGNR140 and one of the following: EGNR101 or 103.

EGEE250

Micro-Controller Fundamentals

(3,3) 4

An introduction to micro-controller architecture, machine and assembly language program development, and computer system hardware and interfacing techniques. Prerequisite: EGEE125 with a grade of C or better.

EGEE280

Introduction to Signal Processing

(4,0,0) or (4,0,1) 4

The course introduces mathematical techniques used in the design and analysis of analog and digital signal processing systems. Topics include complex numbers, phasor representation of sinusoids, spectral representations, convolution, frequency response, sampling and reconstruction, Fourier series and Fourier transform, and the use of MATLAB as a signal processing tool. Prerequisites: MATH152 and EGNR140.

EGEE310

Network Analysis

(4,0) 4

A continuation of EGEE210 with an emphasis on the systems approach to circuit analysis and design. Topics include the Laplace transform, transfer functions, frequency response, Fourier series, filter design, and op-amps. Prerequisites: EGEE210, EGEE280. Pre- or corequisite: MATH310.

EGEE320

Digital Design

(3,3) 4

A study of logical and electronic circuit design techniques including combinational and sequential circuits, programmable logic devices, MSI and LSI devices. Synchronous state machine design using computer-based tools is emphasized for control applications. Prerequisite: EGEE125 with a grade of C or better, and either EGNR265 or CSCI121.

EGEE330

Electro-Mechanical Systems

(3,3) 4 or (3,3,1) 4

A study of three-phase circuits, electro-mechanical energy conversion, transformers, AC and DC machines, motor drives, and controlled converters. The laboratory activities include planning and conducting tests of electrical machines, and simulation with physical modeling software. Prerequisite: EGEE210 with a grade of C or better, EGNR140, and MATH152.

EGEE345

Fundamentals of Engineering Electromagnetics

(3,0) 3

This course provides an in-depth knowledge of the fundamentals of electromagnetic theory. Topics include vector analysis, electrostatic fields and magnetostatic fields, while familiarizing students with the applications of such fields, Maxwell's equations, and an introduction to wave propagation and radiation. Prerequisites: EGEE210 with a grade of C or better, MATH251 and PHYS232. Pre- or corequisite: MATH310.

EGEE355

Microcontroller Systems

(3,3) 4

A study of microcontroller systems design based on the 8/16/32-bit microcontrollers. Assembly and C languages are used for program development in the design of embedded systems. Interfacing techniques, real-time control, and microcontroller emulator use are emphasized. Prerequisites: EGEE250 and one of the following: EGNR265 or CSCI121.

EGEE370

Electronic Devices

(3,3) (3,3,1) 4

This course provides an in-depth study of the basic electronic devices. Topics include diodes, MOS field effect transistors, bipolar junction transistors as well as amplifier concepts such as gain, bandwidth, biasing and frequency response. Diode rectifiers, common amplifier configurations, digital CMOS logic circuits, latches, flip-flops and RAM cells are studied as applications of electronic devices. Prerequisites: EGEE125 with a C or better grade, EGEE210 with a C or better grade, and MATH152.

EGEE411

Power Distribution and Transmission

(3,0) 3

This course provides an introduction to the analysis and design of systems that carry electrical power from the point of generation to the point of use. Topics include mathematics and techniques of power flow analysis, ground-fault analysis, transient stability analysis, analysis of large power system networks, and the use of power system simulation software. Prerequisites: MATH152, EGEE210, and EGEE280.

EGEE425

Digital Signal Processing

(2,2) 3

A study of the application of real-time digital signal processing in analog and digital control system design. The course emphasizes discrete Fourier transforms, design of digital filters, sampling theory, and process control using data acquisition equipment and computer simulation techniques. Additional emphasis is placed on communication theory in relation to its utilization of DSP technology. Prerequisites: EGEE250, and EGEE 280 with a grade of C or better, EGNR140, and either EGNR265 or CSCI121.

EGEE475

Power Electronics

(3,3) 4

This course provides an introduction to electrical power processing. The general topics include various electronic power switching circuits including: AC-DC rectifiers, DC-DC converters and DC-AC inverters. Additional topics include applications of power switching circuits as well as characteristics of power semiconductor devices. Prerequisites: EGEE280, EGEE370, and MATH251.

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EGEM220

Statics

(3,0) or (3,0,1) 3

A study of theory and application of engineering mechanics principles with emphasis on vector analysis, free body diagrams, properties of areas, and problem solving. This emphasis includes applying principles of equilibrium to particles and rigid bodies. Prerequisite: EGNR140. Pre, or Corequisites: MATH152 and PHYS231.

EGEM320

Dynamics

(3,0) or (3,0,1) 3

A study of theory and applications of dynamics and problem-solving techniques. Topics include position, velocity, and acceleration analysis of particles and rigid bodies. Newton's second law, work and energy and impulse and momentum are covered. Prerequisites: MATH152 and EGEM220.

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EGET110

Applied Electricity

(3,2) 4

This course covers basic principles of DC and AC electricity. Topics include resistance, inductance, capacitance, series and parallel circuits, magnetic circuits, transformers and electrical motors. Laboratory exercises will reinforce the lecture material. Prerequisite: MATH111 and MATH131 each with a C or better.

EGET175

Applied Electronics

(3,2) 4

An introduction to the operation of basic electronic devices including diodes, transistors and operational amplifiers. Topics include: Power supplies, amplifiers, frequency response and filter circuits. Laboratory exercises will reinforce the lecture material and introduce computer circuit analysis. Prerequisite: EGET110.

EGET310

Electronic Manufacturing Processes

(3,3) 4

This course will cover traditional and modern techniques for the design, fabrication, and testing of electronic circuit boards. Traditional techniques include wire cutting and stripping and manual and wave soldering. Modern techniques include the routing of multilayer surface mount boards, solder paste stenciling and dispensing, pick-an-place assembly and programming, reflow oven soldering, and rework techniques. Additional topics may include mechanical mounting, assembly line coordination, cell manufacturing, and potting and sealing materials. Prerequisites: either (EGET110 and EGET175) or EGEE210.

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EGME110

Manufacturing Processes

(2,3) 3

An introduction to basic manufacturing processes. Both theory and applications of various processes are covered in lecture and laboratory. Topics include: machining processes, welding and related processes, metal forming processes, and plastic forming processes. Included in machining processes is a limited scope computer aided design and computer numerical control project. The topics of measuring instruments and laboratory safety will also be addressed in the lecture and laboratory. Completion of a high school trigonometry course is expected for enrollment. Co-requisite or Prerequisite: EGME141 and MATH111 (or equivalent/satisfactory score on ACT/SAT, or Placement Exam) or Permission of Instructor.

EGME141

Solid Modeling

(2,2) 3

An application of standard solid modeling software to draw, dimension, and design mechanical parts and assemblies. Topics covered include: standard drafting techniques, orthographic projections, wireframe and solid methods, dimensioning, assemblies, and constraining. An introduction to animation of assemblies is also included. Pre- or Corequisite: MATH102.

EGME225

Mechanics of Materials I

(3,0) 3

A study of stress analysis and measurements. Topics include axial, shear, torsion, bending stresses, axial strains, shear strains, Poisson's ratio, Hooke's law and the transformation of stresses and strains. Deflection of beams and buckling of columns are also treated. Prerequisite: EGEM220 with a grade of C or better. Pre- or

corequisite: MATH152.

EGME240

Assembly Modeling and GD&T

(2,3) 3

The course is a continuation of EGME141. Parametric modeling and design of assemblies by the use of solid models. Emphasis will be placed on animation of assemblies to display the functionality of assemblies. Prerequisites: EGME110, EGME141, MATH131 and sophomore standing.

EGME275

Engineering Materials

(3,0) 3

A study of the physical structure of engineering materials, including metals, ceramics, polymers, and composites, as well as their properties and applications. Failure modes of materials, such as corrosion, fatigue, plastic deformation, and brittle failure, are also covered. For metal alloys, there is an emphasis on the interpretation of phase diagrams and time-temperature-transformation diagrams. Prerequisite: CHEM115 or (CHEM108 and CHEM109). Pre- or corequisite: EGME225 or EGMT225.

EGME276

Strength of Materials Lab

(0,3) 1

Laboratory experiments covering topics in mechanics of materials and engineering materials. Theory from mechanics of materials and engineering materials will be covered through hands-on experiments. Pre- or corequisites: EGME225 or EGMT225 and EGME275.

EGME310

Vehicle Development & Testing

(1,2) 2

A course providing a systematic overview of topics within the areas of automotive vehicle dynamics, component design, and testing. An introduction to gross vehicle dynamics is followed by a detailed study of specific vehicle subsystems, including both their design and their role in the overall vehicle behavior. Dynamic behaviors covered include acceleration, braking, cornering, ride, and load transfer. Subsystems considered include the brakes, steering system, suspension, tires, and drive train. Vehicle testing and benchmarking is also covered. Laboratory content includes an introduction to a commercial vehicle dynamics software package. Prerequisites: PHYS221 or PHYS231. Pre- or corequisites: EGME220 or EGMT225.

EGME312

CAM with CNC Applications

(2,3) 3

Writing CNC programs in machine codes, and the setup and trial runs to produce parts from these programs. Simulation of CNC machining processes to predict tool paths and cycle times. Computer-aided manufacturing (CAM) topics and applications of CAM software will also be covered. Prerequisites: EGME110, EGME141, MATH131.

EGME337

Thermodynamics

(4,0) or (4,0,1) 4

A study of the theory and applications of thermodynamics. Topics covered include: thermodynamic properties, heat, work, first and second Laws of thermodynamics, entropy, power and refrigeration cycles, gas mixtures, and an introduction to transport theory. Prerequisite: MATH152 or MATH112 and EGMT332.

EGME338

Fluid Mechanics

(3,0) 3

A study of the theory and applications of fluid statics and fluid dynamics. Topics covered include: hydrostatics, buoyancy and stability, Bernoulli and energy equations, dimensional analysis, flow in pipes, pumps, potential flow, open-channel flow, introductory gas dynamics, integral and differential analysis of flow, exact and approximate solutions of the Navier-Stokes equations, and computational fluid dynamics (CFD). Prerequisites: EGEM220, MATH251, MATH310.

EGME350

Machine Design

(3,3) 4

Design and selection of machine components and power transmission units. Selected topics in load, stress, and deflection analysis in more depth than EGME225, notably (but not exclusively) torsion of thin-walled sections, thick-walled pressure vessels, interference fits, buckling problems by eigenvalue analysis, and Castigliano's theorems. Deterministic and stochastic theories of static failure, dynamic loading, and fatigue. Performance analyses of machine components, such as shafts, bearings, gears, worms, fasteners, and belt/chain drives. Laboratory covers finite element analysis using commercial software, and involves a major group design project. Prerequisites: EGME141, 225, 275, and 276. Pre-or Corequisite: MATH310.

EGME415

Vehicle Dynamics

(2,0) 2

A study of vehicle dynamics, treating selected topics in automobile dynamics with more theoretical depth than EGME410, but also surveying heavy trucks, tracked and off-road vehicles (including terrain interaction), railway vehicles, and water-borne vessels. Dynamic modeling, as well as a thorough understanding of underlying physical phenomena, are emphasized. Prerequisites: EGEM320, EGNR340 and EGME310.

EGME425

Vibrations and Noise Control

(3,2) 4 or (3,2,1) 4

An introductory course on vibrations analysis, noise control, and acoustics. The vibrations portion includes the theory of discrete and continuous vibrating systems, and such applications as vibration mitigation, machinery vibrations, and rotor dynamics. The noise control/acoustics portion includes the theory of airborne sound, sound fields in bounded spaces, an overview of human hearing, and noise mitigation. Measurement techniques and signal analysis are covered in the

laboratory segment. Prerequisites: EGME225, EGEM320, EGNR340, MATH251 and 310.

EGME431

Heat Transfer

(3,0) 3 or (3,0,1) 3

Theory and applications of heat transfer, Steady-state and transient conduction, forced convection, natural convection, radiation. Analysis of heat exchangers, boiling and condensation, introduction to numerical methods in heat transfer.

Prerequisites: EGME337, 339 and EGNR265 or EGNR140.

EGME432

Thermal and Fluids Lab

(0,3) 1

Practical applications of thermodynamics, fluid mechanics, and heat transfer. Hands-on training in the operation of thermodynamic components, power generation systems, and fluid mechanical devices. Experimentation in heat transfer. Includes a major project in the area of power generation and dissipation. Prerequisites: EGME337 and 338. Pre- or corequisite: EGME431.

EGME442

Finite Element Analysis

(3,3) 4

This course will cover the fundamentals of finite element analysis. Topics include: Modeling elements, boundary conditions, loading, convergence and an introduction to modal analysis. Commercial software will be used in the laboratory along with 3-D mesh generation. Prerequisites: EGME350 and MATH310.

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EGMF110

EGMF110 Introduction to Machining I

(2,6) 4

Students will receive instructions on shop safety, blueprint reading, measuring instruments, layout principles, and basic bench work. They will also receive instructions on grinding, lathes, drill presses, saws, and basic milling. Some metallurgical concepts are introduced. The course will make use of the Machinery's Handbook and apply the principles, concepts, and data in the handbook to industrially related projects. Information from the handbook will be used to ensure proper set-up and operation of the machinery. Students will spend several hours each week setting up, working, and familiarizing themselves with the machines.

EGMF130

EGMF130 Introduction to Machining II

(2,6) 4

This course builds up upon the material presented in EGMF110. Students will receive additional instruction on shop safety and measuring techniques relative to the machinery introduced in this course. Additional topics on vertical and horizontal milling machines, surface grinders, metallurgy, and blueprint reading are covered.

The Machinery's Handbook will continue to be used in conjunction with the machines utilized in this course. Students will spend several hours each week setting up, working, and familiarizing themselves with the machines. Prerequisite: EGMF110.

EGMF210

EGMF210 Advanced Machining

(2,6) 4

In this course, students will write CNC programs in machine codes, and then setup and run CNC machines to produce parts from these programs. Computer software interfacing between programming languages and various industrial machines will be stressed. Computer-aided manufacturing (CAM) topics and applications of CAM software will also be covered. Students will be able to describe the sequence and operations for a part program, determine the tools required for machining, calculate speeds and feeds, set-up tooling on CNC machines, develop CNC programs using standardized formats, and use CAM software to produce three dimensional parts. Prerequisites: EGMF110 or EGME110, and MATH102. Pre- or corequisite: EGMF130.

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EGMT142

EGMT142 An Overview of Solid Modeling Techniques

(1,2) 2

This course will cover an application of solid modeling software techniques to create parts and assemblies. Topics covered include creating sketches; creating parts with extrude, revolve, blend, and sweep; creating part features with round, chamfer, pattern, mirror; use of the part history tree; dimensioning of parts; building of assemblies; creation of parts from 2D drawings; creating 2D drawings from solid models of parts and assemblies; and an introduction to animation of assemblies. Prerequisites: Previous CAD course and permission or instructor.

EGMT225

EGMT225 Statics and Strength of Materials

(4,0) 4

Fundamental concepts of statics and strength of materials. Solutions of problems introducing forces, moments, normal stress, shear stress, bending stress and torsional stress. Theory and application of strain gages. Prerequisites: MATH111 and MATH131 each with a C or better and PHYS221.

EGMT332

EGMT332 Thermodynamics and Heat Transfer for Technologists

(4,0) 4

This course provides an algebra-based coverage of topics in thermodynamics and heat transfer relevant to technologists in manufacturing and fire science. Thermodynamics topics include properties of substances, energy balances, combustion and thermochemistry, and heating and ventilation systems. Basic principles of conduction, convection, and radiation, and their application to practical problems are covered in the heat transfer portion of the course. Prerequisite: MATH111 or 140.

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EGNR101

Introduction to Engineering

(1,2) 2

An introduction to the different areas of study within the fields of electrical and mechanical engineering. Lecture topics and laboratory activities will introduce computer programming, computer simulation exercises, data-acquisition systems, microcontroller systems, communications, robotic and manufacturing applications, material science and dynamics. Prerequisite or corequisite: MATH102.

EGNR102

Concepts and History of Engineering

(2,0) 2

This course provides instruction on problem-solving techniques using engineering tools and concepts as students work on an engineering design project. Topics in engineering ethics and the engineering work experience are discussed. A history of engineering and the development of the specific engineering fields are presented. Pre- or corequisite: MATH102.

EGNR103

Engineering Orientation

(0.5,1) 1

This course provides an orientation to the engineering and engineering technology fields at Lake Superior State University, including robotics. Students are introduced to the engineering professional organizations and are encouraged to participate in professional activities. Laboratory exercises focus on introducing students to the engineering facilities and programmatic options within the engineering and engineering technology disciplines. Academic success strategies are also presented. Pre- or co-requisite: MATH102.

EGNR140

Linear Algebra and Numerical Methods for Engineers

(1,3) 2

This course covers the engineering application of concepts from applied mathematics, iterative programming and numerical methods. Applications of linear algebra and complex numbers are introduced. Iterative programming emphasizes loops, conditional statements and user input-output. Numerical methods topics include root searching methods, numerical integration, and other algorithms involving iterative computations. The lab also includes instruction on commercially-available software used to implement the numerical methods studied. Prerequisite: MATH131. Pre- or Co-requisites: MATH112 or MATH151.

EGNR245

Calculus Applications for Technology

(2,2) 3

This course covers engineering applications of differential and integral calculus, including areas, volumes of solids, vector analysis, matrix algebra, polar and cylindrical coordinate systems, partial differentiation, and multiple integrals for typical engineering technology problems. Application and solutions to engineering problems will emphasize and require the use of commercial software packages such

as MathCAD and MATLAB. Prerequisite: EGNR140.

EGNR250

Cooperative Education

(2) 2

A practicum in which students work in a supervised engineering capacity (on site) with industry. The student is expected to work at least 6 hours per week in an industrial setting. The student's experience must be related to his/her academic studies and thus this experience contributes significantly to his/her professional development. May be repeated for a maximum of 4 credits. Prerequisite: Permission of Instructor.

EGNR260

Engineering Research Methods

(1,3) 2

This is an introductory course covering research methods in engineering and engineering-related fields. The student will be involved in faculty-supervised and guided research activities such as assisting with developing experiments, gathering data and analyzing results. Much time will be spent learning about the research project, past experiments and future directions. Can be repeated for credit. Prerequisite: permission of instructor.

EGNR261

Energy Systems and Sustainability

(3,0) 3

The course provides an introduction to energy conversion systems and discusses issues related to the sustainability of each system. Topics include basic energy definitions, traditional energy resources and reasons for pursuing alternative energy resources, renewable and nonrenewable energy resources, energy storage, and electrical grid integration. Topics also include policy as well as social, economic, and environmental sustainability issues as they relate to energy conversion. Prerequisite: MATH102 or equivalent.

EGNR265

C Programming

(3,0) or (3,0,1) 3

An introductory course in \"C\" programming with an emphasis on structured programming techniques and on utilizing \"C\" to solve engineering-related problems. Topics include looping techniques, input and output to files, conditional flow of control, writing and utilizing functions, pointers, 1D and 2D arrays, and data storage. Prerequisites: MATH111 and MATH131 and sophomore standing.

EGNR310

Quality Engineering

(3,0) 3

Provides a coverage of classical and modern methods of quality control and quality engineering. Topics include quality control principles and terminology, classical qualitative and quantitative quality control methods, including statistical process control procedures, robust design methods as applied to product design and design of experiments, and an overview of quality management systems used in industry. Pre- or Corequisites: MATH207 or MATH308.

EGNR340

Advanced Numerical Methods for Engineers

(0,2) 1

This is the second course covering numerical methods in engineering. Topics will include numerical methods for the solution of differential equations used to model and solve engineering problems, as well as numerical algorithms for linear algebra problems. Taylor's series, Fourier analysis, and other selected applications. Prerequisites: EGNR140. Pre- or Corequisites: MATH310 and (CSCI121 or EGNR265).

EGNR346

Probability and Statistics Laboratory for Engineers

(0,2) 1

This laboratory accompanies MATH308, a calculus-based introduction to the basic theory of probability and statistics. Topics include methods of data collection, experimental design, interpretation of data and use of a statistical software tool. Pre- or corequisite: MATH308.

EGNR361

Energy Systems and Sustainability Lab

(0,3) 1

The course explores the technical and implementation aspects of sustainable energy systems. Students will design, construct, and/or analyze various energy conversion systems. They will also design and implement subsystems that can store energy and construct connections between energy sources, energy storage subsystems, and the electrical grid. Prerequisites: (CHEM108 or CHEM115), (EGET110 or EGEE210), MATH131 or higher, excluding MATH207, (PHYS221 or PHYS231); Pre/Corequisite: EGNR261.

EGNR362

Vehicle Energy Systems

(2,3) 3

An introduction to vehicle power train energy systems and both battery and fuel cell electric/hybrid systems. Other topics include vehicle drive profile calculations, torque and speed coupling, and safety considerations. Vehicle topics also include cars, trucks, and off-road hybrid systems. Laboratory activities include CAN and other communication and information systems, and vehicle performance analysis and simulations using Excel, Simulink, and CANoe. Lab activities include using the chassis vehicle dynamometer with external instrumentation, CAN and OBD-based data acquisition. Prerequisites: (PHYS221 or PHYS231), (EGEE210 or EGET110) and pre/corequisite: EGNR265.

EGNR450

Cooperative Education Project I

(4) 4

A practicum in which students work in a supervised engineering capacity (on site) with industry. This is the first of a two-part sequence that can replace the senior year Engineering Design Project II (EGNR495). The focus of this course is the development of the co-op project proposal and the initiation work on the co-op project. The expectation is that at least 60% of a forty hour work week is devoted to completing the project. Prerequisite: EGNR250 Cooperative Education.

EGNR451

Cooperative Education Project II

(3) 3

A practicum in which students work in a supervised engineering capacity (on site) with industry. This is the second of a two-part sequence that can replace the senior year Engineering Design Project II (EGNR495). The focus of this course is the completion of the co-op project. The documentation at the completion of the project includes an update presentation and a final report/final presentation. The expectation is that at least 60% of a forty hour work week is devoted to completing the project. Prerequisite: EGNR450 Cooperative Education.

EGNR460

Engineering Research Project I

(2,6) 4

This is a senior-level course in which students are actively involved in a faculty-supervised and guided research project. Students will acquire the skills listed under EGNR491 and develop a research plan for some portion of a project. The plan will be implemented in EGNR461. Specifically, the students will work to develop a proposal of the expected research goals and create a project timeline and budget. The student's faculty advisor and the director of the Lab for Undergraduate Research in Engineering (LURE) must approve the plan. Prerequisites: senior status, EGNR260 and permission of instructor. Students who plan to take EGNR461 must complete both EGNR460 and EGNR461 in the same academic year.

EGNR461

Engineering Research Project II

(1,3) 2

This is a senior-level course in which students are actively involved in a faculty-supervised and guided research project. Students implement their research plan developed in EGNR460 and lead research efforts. Results and finding must be reported in oral and/or written forms to appropriate constituencies outside the LSSU audience. Prerequisites: EGNR460 and permission of instructor. The dropping or failing of EGNR461 will result in the student having to repeat both EGNR460 and 461.

EGNR490

Research Topics in Engineering

(1-4,0) 1-4

Special studies and/or research in engineering for individuals for small seminar groups. Course content to be arranged with instructor and with approval of the department head. This course may be repeated for a maximum of eight credits.

EGNR491

Engineering Design Project I

(2,3) 3

This course provides students with the skills necessary for successful completion of their design project. Topics include group dynamics, ethics, timelines, resource allocation, project management and performance evaluations. Skills in oral and written communications, problem conceptualization, creative problem solving and technical presentations are developed. Prerequisites: Permission of instructor on the

basis of senior status and expected graduation on or before December of the following calendar year, and one of the following: EGEE320, 370, EGME350 or (EGRS365 and EGMT310). Students who plan to take EGNR495 must complete both EGNR491 and EGNR495 in the same academic year. Coop students must complete EGNR451 prior to enrolling in EGNR491.

EGNR495

Engineering Design Project II

(1,6) 3

A continuation of EGNR491. This course provides students with the skills necessary for successful completion of their design project. Topics include group dynamics, engineering economics, timelines, resource allocation, project management and performance evaluations. Skills in oral and written communications, problem conceptualization, creative problem solving, and technical presentations are developed. Prerequisite: EGNR491. The dropping or failing of EGNR495 will result in the student having to repeat both EGNR491 and 495.

EGNR496

Senior Directed Project

(1,6) 3

This course is designed to allow industrial technology majors the opportunity to implement a project while working collaboratively with engineering and engineering technology students. Students will be expected to use the skills and knowledge from previous course work. Project outcomes should relate to the student's individual areas of study and represent a synthesis of the previous learning under the supervision of a faculty member. Prerequisites: Approval of the department chair, senior status, and expected graduation on or before December of the following calendar year.

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EGRS215

Introduction to Robotics

(1,2) 2

An introduction and orientation to the field of robotics. Challenges in robotics manufacturing, design and structure of robotic systems, classification of robots, robot geometry, power sources, robotic control systems are covered in this course. The lab part of the course will provide an overview of robotics applications in industry through videos and hands-on experiences. Applied laboratory topics will cover basic programming concepts, structures, and applications using industrial robots. Prerequisites: MATH102 or equivalent.

EGRS365

Programmable Logic Controllers

(2,3) 3

An introduction to programmable logic controllers (PLC) with an emphasis on programming of the controller and operator interface. Standard PLC devices (bits, timers, counters etc.) and controller functions dealing with math, compare, moves, program flow, analog input, and high-speed counters will be covered in the course. Written and oral business communications are an integral part of the course. Co or prerequisites: EGNR265 or EGEE125 or CSCI121 and sophomore status.

EGRS366

Programmable Logic Controllers

(2,2) 3

An introduction to the use of programmable logic controllers (PLC). Basic components of the PLC along with the interface to hydraulic/pneumatic systems and sensors will be discussed. Some higher-level functions such as zone control, master control and sequencers will also be covered. This course will only be offered at the regional sites. It is not a communication-intensive course. Prerequisite: electrical fundamentals course.

EGRS380

Robotics Technology

(2,0) 2

This course will cover topics relative to robotics and robotics systems. Two- and three-dimensional kinematics, end effectors, active and passive collision systems, sensors, feedback devices, robotic safety, and principles of operation of applicable hardware will be studied. Prerequisites: MATH111 and MATH131 with grade of C or better, and PHYS221.

EGRS381

Robotics Technology Lab

(0,3) 1

Laboratory exercises will provide hands-on examples in the use of industrial robots. Focus will be on learning a structured robotics programming language. Applications and projects will simulate industrial situations as well as emphasize system integration. Prerequisites: EGNR265. Corequisite: EGRS380.

EGRS382

Introduction to Robotics Programming

(0,3) 1

The laboratory work will provide an introduction to the use and application of an industrial robot. Programming concepts and structures in the V+ programming language as used in Adept and Staubli robots will be studied. Industry-like applications and system integration projects will be assigned. Prerequisite: EGRS380.

EGRS385

Robotics Engineering

(3,3) 4

An introduction to the field of robotics engineering. Topics include classification of robotic manipulators, accuracy and repeatability, wrists and end-effectors, actuators and sensors, homogeneous transformations, Denavit-Hartenberg convention, forward kinematics, inverse kinematics, trajectory planning and an introduction to velocity kinematics. Laboratory exercises will focus on the operation and programming of industrial robots and robotics simulation using industry standard software. Prerequisites: EGNR265 or CSCI105, and MATH251.

EGRS430

Systems Integration and Machine Vision

(3,3) 4

A study of the theory and application of sensors and machine vision in modern manufacturing systems. Topics will include position sensors, encoders, interface electronics, force and torque sensors, LAN, PLC, electrical noise, machine vision, lighting techniques, control software, feature extraction techniques and robot guidance. Prerequisites: MATH152 or EGNR245, EGNR140, EGRS381 or EGRS385, and EGNR265 or CSCI121.

EGRS435

Automated Manufacturing Systems

(2,3) 3

A study and analysis of the components of an automated manufacturing system. Topics include analysis of flow lines, automated assembly systems, MRP, materials requirement planning, production economics and CIM. Course work will include applications of manufacturing systems software including factory simulation. Laboratory work will focus on systems integration, advanced programming of industrial robots, and flow line automation. Prerequisites: EGRS385.

EGRS460

Control Systems

(3,3) 4

An introduction to the analysis and design of linear feedback control systems. The course will include a study of system modeling, block diagrams, system response, stability, steady state error, bode plots and root locus. Laboratory exercises will develop a student's ability to design feedback systems and quantify system performance. Prerequisites: MATH310, EGEM220 and EGEE210. Pre- or co-requisite: EGNR340.

EGRS461

Design of Control Systems

(3,3) 4

This course builds upon the fundamental control system theory covered in EGRS460 and introduces various control system design techniques. General topics include Bode and root locus design techniques, controllability and observability, optimal control, state space design. Several classical design techniques such as phase-lead, phase-lag, deadbeat, pole placement and PID design are covered. Prerequisite: EGRS460.

EGRS480

Manufacturing Automation

(3,0) 3

Study of the mathematical modeling of production concepts, analysis of automated flow lines, automated assembly systems, production economics, automated guided vehicles and materials requirement planning. Prerequisites: EGRS380, EGRS381 or EGRS382, and MATH112 or MATH151 with a grade of C or better.

EGRS481

Manufacturing Automation Lab

(0,3) 1

The first part of the laboratory work will focus on programming Fanuc robots using the Karel programming language. Industry-like applications and system integration

projects will be assigned. The second part of the lab work will include the application of WITNESS discrete-event simulation software package to study and analyze manufacturing systems. Prerequisites: EGNR265 or CSCI121 either with a grade of C or better. Pre or co-requisite: EGRS480.

EGRS482

Automation and Simulation Lab

(0,3) 1

Laboratory work in automation will focus on programming Fanuc robots using the Karel programming language. Industry-like applications and system integration projects will be assigned. Lab work in simulation will include the introduction to a discrete-event manufacturing simulation software package. Several manufacturing systems will be modeled, verified, validated and optimized using the simulation software package. Prerequisite: EGRS480.

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EMED181

First Aid

(0.5,1.5) 1

Basic course in first aid. Theoretical and practical experience in university laboratory.

EMED189

Medical First Responder

(2,3) 3

This course is designed to teach students the principles of basic life support and emergency care. Topics include patient assessment and handling, airway maintenance, cardiopulmonary resuscitation, bandaging, splinting and spinal immobilization. Management of common environmental and medical emergencies will also be addressed. Upon successful completion of the course, students will be eligible to apply for a Michigan Medical First Responder license.

EMED190

Prehospital Emergency Care and Crisis Intervention I

(3,3) 4

Techniques of emergency medical care needed by the emergency medical technician-ambulance attendant. Theoretical and practical experience in administering preliminary emergency care and transportation of sick and injured victims to medical care centers.

EMED191

Prehospital Emergency Care and Crisis Intervention II

(2,6) 4

Simulated practice with some in-hospital observation. Emphasis on laboratory practice of skills needed for functions of an EMT-A. Prerequisite: EMED190.

EMED211

Emergency Pharmacology I

(2,0) 2

Introduction to emergency pharmacology including sources of drugs, drug laws and regulation, routes of administration, pharmacokinetics and pharmaco-dynamics, dosage calculations and the metric system. Emphasis will be placed on drugs used in the management of cardiovascular emergencies. Prerequisite: math competency or MATH103, and corequisite EMED251.

EMED212

Emergency Pharmacology II

(2,0) 2

Continuation of HLTH211 with an overview of emergency drugs frequently used in the prehospital management of respiratory, endocrine, toxicological, obstetrical and other prehospital emergencies. Administration procedures and dosages for adult and pediatric patients will be covered. Prerequisite: EMED211 with a B- or above.

EMED251

Advanced Emergency Care I

(4,0) 4

Study of prehospital emergencies geared toward rapid intervention and patient stabilization. Introduction to the pre-hospital environment and preparatory information will be covered including medical-legal issues, airway management, parenteral therapy and comprehensive patient assessment. Management of traumatic injury and multiple casualty incidents will be addressed. Prerequisite: admission to Paramedic Technology Program.

EMED252

Advanced Emergency Care II

(4,0) 4

Continuation of EMED251 addressing treatment modalities for environmental, medical, obstetrical and behavioral emergencies in the adult and pediatric patient. Prerequisite: EMED251 with a B- or above.

EMED261

Emergency Cardiology I

(2,0) 2

Introduction to basic cardiac monitoring and dysrhythmia recognition. Review of the anatomy and physiology of the cardiovascular system, principles of electrophysiology, EKG interpretation and dysrhythmia management will be covered. Sinoatrial, junctional and atrial dysrhythmias will be addressed. Corequisite: EMED251.

EMED262

Emergency Cardiology II

(2,0) 2

Continuation of EMED261 with emphasis directed at identification and management of life-threatening dysrhythmias including ventricular dysrhythmias and heart blocks. Coronary artery disease, myocardial infarction and other cardiovascular emergencies will be addressed, and the course will conclude with ACLS certification. Prerequisite: EMED261 with a B- or above.

EMED271

Prehospital Emergency Pediatrics

(2,0) 2

This course will prepare the Emergency Paramedic to effectively assess and manage the pediatric patient in the emergency setting. Program material will include differentiation between adult and pediatric anatomy and physiology, assessment of the neonatal and pediatric patient, and management of common medical and traumatic conditions experienced by the pediatric patient. Special emphasis will be placed on topic areas including resuscitation skills, pediatric pharmacology, and the special needs of the patient.

EMED284

Advanced Skills and Situations I

(1,6) 3

Advanced skills and procedures discussed in Advanced Emergency Care will be demonstrated and practiced in a laboratory setting. Skills covered will include advanced airway management, parenteral therapy, cardiac monitoring and advanced patient assessment. Simulated patient scenarios will be designed to allow the student to practice these advanced skills in a realistic patient setting. Emphasis will be placed upon strengthening new skills and providing critical thinking opportunities which allow for the integration of theory with practical applications. Prerequisite: admission to the Paramedic Technology Program and corequisite EMED251.

EMED285

Advanced Skills and Situations II

(1,6) 3

Continuation of HLTH284 with an emphasis placed on ACLS and PALS procedures and algorithms. Instructor and peer evaluation will enhance learning, and working in groups will promote the concepts of teamwork and individual leadership. Prerequisite: EMED284 with a B- or above. Corequisite: EMED252.

EMED286

Paramedic Operations

(1,3) 2

This course will prepare the Emergency Paramedic to effectively handle unique situations which may be encountered in the prehospital setting that require highly specialized training. Program material will include managing multiple casualty situations, Medical Incident Command, hazardous materials incidents, rescue awareness and operations and crime scene awareness. Special emphasis will be placed on rescuer safety. Practical skills will include vehicular entry and disentanglement, and basic rescue operations.

EMED297

Paramedic Clinical I

(0,12) 2

Clinical rotations in the hospital emergency department, surgical suite, outpatient surgery and with local EMS agencies designed to provide the student with hands-on practical experience of patient care. Corequisite: EMED251 and permission of the instructor.

EMED298

Paramedic Clinical II

(0,12) 2

Clinical rotations in the hospital emergency department, intensive care unit, obstetrical unit, pediatrics unit and local EMS agencies will provide the student with a continuation of clinical exposure. Additional clinical experience in other areas may be included as the opportunity permits. Prerequisite: EMED297 with a B- or above and concurrent with EMED252.

EMED299

Paramedic Field Internship

(0,21) 4

This course is a field internship designed to prepare the student to function confidently in the role of the Emergency Paramedic in the prehospital setting, upon completion of the didactic, practical and clinical components of the Paramedic Technology Program. It will also provide the student with an opportunity to develop team leadership skills, and improve existing knowledge and practical skills. Emphasis will be placed on developing critical thinking skills and independent leadership ability.

EMED301

National Registry Certification Preparation

(2,0) 2

This course is designed to prepare the Paramedic Student to challenge the National Registry Paramedic Certification Examination upon completion of the didactic, practical and clinical components of the Paramedic Technology Program. It will provide the student with an opportunity to thoroughly review key information in the 8 modules of the National Standard Paramedic Curriculum. Emphasis will also be placed on improving the student's test-taking skills.

EMED490

Independent Study for Emergency Medicine

(1-3,0) 1-3

This may take the form of either a research project or a program of directed reading on a specific subject. One to three credits over a period of one or two semesters may be granted according to the nature of the student's project. May be repeated up to six credits. Prerequisites: Permission of Instructor.

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ENGL091

Prep College Writing

(3,0) 3

This course is designed to give students who have limited experience with writing an opportunity to increase their confidence as writers, and to improve their command of the written language. The course is appropriate for students who find writing to be difficult or confusing. Students write weekly, with much of the instruction taking place as students learn to revise and edit their own work. Students completing the course will be able to write successful essays that represent complex approaches to different topics. A grade of C or higher is required

to pass the course. Credit in this course does not apply toward graduation. All students whose ACT/SAT scores do not place them in ENGL110 must receive credit for ENGL091 before taking ENGL110.

ENGL110
First-Year Composition I
(3,0) 3

ENGL110 provides students with an introduction to the discipline of writing through an exploration of their own writing processes and products. Emphasis is placed on students learning to think critically about their own writing in order to address issues of coherence, grammar, mechanics, organization, clarity and content. Other material covered includes the role of literacy in society, the ways in which readers engage text, and the role of writing at the college level. Prerequisites: English ACT score of 18 or a C or higher in ENGL091.

ENGL111
First-Year Composition II
(3,0) 3

First-Year Composition II prepares students for the complex demands of academic literacy and research. These require students to be able to critically observe personal and public knowledge; ask questions of reading and research; formulate hypotheses; design and conduct research projects, both in the library and in the field; and identify further avenues of inquiry. To help students develop these abilities, the course also teaches students the basic skills of analysis, interpretation, critical thinking and documentation. Required course work includes completion of an extended research project. Prerequisite: a grade of C or higher in ENGL110.

ENGL180
Introduction to Literary Studies
(3,0) 3

This course introduces students to the theory and methodology of literary study, focusing on three questions: What is a literary text? How do we read a literary text? How do we write about a literary text? Addressing these questions requires students to examine the social and cultural contexts of literature and its aesthetic, rhetorical and ideological aspects. These considerations will help students judge literary value and examine their own literary assumptions. Requires one research project and critical essays using MLA style. Prerequisite: ENGL110.

ENGL221
Introduction to Creative Writing
(3,0) 3

Writing and discussion of art forms such as poetry, fiction and drama consistent with the students individual interests. Co-requisite: ENGL110.

ENGL222
English Grammar & Language in Context
(3,0) 3

This course requires students to master the vocabulary and principles of standard English grammar related to sentence structure and the production of meaning. Students will also analyze and evaluate prescriptive and descriptive conventions of usage, the history and cultural influences of the English language, and its regional

and social variations. Prerequisites: A grade of C or higher in ENGL110 and ENGL111.

ENGL223

Creative Writing II

(3,0) 3

Through writing and discussion, students will study and practice more advanced elements of poetry, prose, and drama. Prerequisite: ENGL221.

ENGL231

American Literature I

(3,0) 3

This course is a chronological study of American literature from the colonial writers through the Romantic period, ending with the Civil War. Prerequisite: ENGL180.

ENGL232

American Literature II

(3,0) 3

This course is a chronological study of American literature from the Civil War through the present, covering the Age of Realism and the development of twentieth century literature. Prerequisite: ENGL180.

ENGL233

English Literature I

(3,0) 3

Students will read and discuss selected works from the Old English period to the beginning of the eighteenth century. Emphasis will be placed on major writers and works, evaluated in their historical context. Prerequisite: ENGL180.

ENGL234

English Literature II

(3,0) 3

Students will read and discuss selected works from the eighteenth century to the twentieth century. Emphasis will be placed on major writers and works, evaluated in their historical context. Prerequisite: ENGL180.

ENGL235

Survey of Native Literature of North America

(3,0) 3

Students will examine various types of Native American literatures, including traditional stories, non-fiction, fiction and poetry from authors of numerous different nations. A variety of themes, including Native American identity and the role of culture in literature, will be covered. Corequisite: ENGL111 (also listed as NATV235).

ENGL236

Literature and Culture

(3,0) 3

Students will examine English-language texts from a variety of cultures, including American minorities and other underrepresented cultures. Students will observe the way in which culture is presented in the texts and how culture can help to shape the texts. Corequisite: ENGL111.

ENGL301
Creative Prose Writing
(3,0) 3

This course is a workshop for the study and practice of prose fiction, creative non-fiction, and other prose forms, and requires the completion of a final portfolio. Prerequisite: ENGL221.

ENGL302
Poetry Writing
(3,0) 3

This course is a workshop for the study and practice of poetry, and requires the completion of a final portfolio. Prerequisite: ENGL221.

ENGL303
Performance Writing
(3,0) 3

This course is a workshop for the study and practice of writing for performance, including plays, film scripts, and other performance genres, and requires the completion of a final portfolio. Prerequisite: ENGL221.

ENGL306
Technical Writing
(3,0) 3

Technical writing is designed to introduce students to the theory and practice of technical communication. This course incorporates a broad approach, addressing the issues of critical thinking, collaboration, ethics, and the persuasive presentation of technical information in both written documents and oral presentations. The specific documents that will be covered include memos, formal business letters, technical descriptions, short and analytic reports, proposals and formal oral presentations. The central focus of the course will be the completion of a discipline-specific final project, in which the technical communication skills learned during the course will be enhanced. A major goal of this project, and the class, is to introduce students to the demands of their chosen professions, and thereby prepare them for the kinds of disciplined intellectual and practical work they will be required to complete. Prerequisite: ENGL111.

ENGL320
Responding to Writing
(3,0) 3

A course in the theory and practice of effective writing with emphasis on evaluating and responding to writing across the disciplines. Recommended for writing ombudsmen, tutors, education students and other interested students. Course includes rhetorical and linguistic theory, current research on writing as process, theory and practice of responding to student writing, computer-assisted writing and revision, tutorial strategies and characteristics of writing in various disciplines. A strong theoretical framework with student paper examples from interdisciplinary

fields.

ENGL335
Children's Literature
(3,0) 3

This course focuses on understanding the historical, cultural, and generic dimensions of children's literature, with emphasis on critical reading, literary analysis, and the selection and evaluation of texts for children and young adults. Pre- corequisites: ENGL111 or COMM101.

ENGL336
Young Adult Literature and Culture
(3,0) 3

This course focuses on understanding the historical, cultural, and generic dimensions of young adult literature, with emphasis on critical reading, literary analysis, and selection and evaluation of culturally diverse texts for children and young adults. Prerequisite: ENGL180.

ENGL345
Studies in Classic Texts
(3,0) 3

Readings in literature, beyond North American traditions, that have possessed profound influence or reach throughout history, including theoretical and critical approaches to these texts, examining form, theme, and genre. Includes classic Greek drama, classic British literature from the Anglo-Saxon period through the twentieth century, Shakespeare, mythology, folklore, and world literature in translation. Prerequisites: ENGL111, ENGL180.

ENGL380
History of Literary Criticism
(3,0) 3

An investigation of the history of critical theory to include classicism, neoclassicism, romanticism, the New Critics and contemporary critical trends. This course prepares students for advanced studies in literature. Prerequisite: Either ENGL233 and ENGL234 or ENGL231 and ENGL232.

ENGL398
Community Workshop Internship
(3) 3

This is an internship designed to provide students with an opportunity to earn credit while obtaining meaningful work experience leading a creative writing community workshop. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. The course may be repeated once for a maximum of 6 credits total. Prerequisite: ENGL223, a 2.50 gpa in the major, and permission of the instructor.

ENGL399
Publishing Internship
1-2 1-2

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful work experience in English or publishing outside the classroom setting. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. The course may be repeated up to four times at 1-2 credit hours for a maximum of 3 credit hours with each LSSU publication, up to 6 credits total. Prerequisite: 2.5 GPA in major and permission of the instructor.

ENGL409

Advanced Writing Workshop

(3,0) 3

This course is a workshop for advanced level writing in a variety of genres, with emphasis on students doing sustained work in a chosen genre, and requires the completion of a final portfolio. Prerequisites: Two courses from ENGL301, 302, or 303.

ENGL435

Studies in Visual Texts

(3,0) 3

Theoretical and critical approaches to visual texts, with the focus on graphic novels and film, examining form, theme, and genre and the production and interpretation of meaning in visual media. Prerequisites: ENGL111, ENGL180.

ENGL440

Advanced Studies in British Literature

(3,0) 3

Examination, implementing rigorous research and critical methods, of a notable period, genre, aesthetics, or movement in British literature. Prerequisite: ENGL380.

ENGL442

Advanced Studies in American Literature

(3,0) 3

Examination, implementing rigorous research and critical methods, of a notable period, genre, aesthetics, or movement in American literature. Prerequisite: ENGL380.

ENGL450

Directed Individual Study

(3,0) 3

Individual study of an author, period, genre or other related topic relevant to literary scholarship. Each student will do extensive research and prepare a paper. Prerequisite: Permission of instructor.

ENGL480

Creative Writing Portfolio I

(3,0) 3

This is the first in a series of two capstone classes. Working with an English faculty member on an independent study basis, students will create proposals for book-length, unified collections of creative work of literary merit in chosen genres, and

make significant progress toward completion of the creative work. Prerequisites: Creative Writing Major, Senior standing, and ENGL409.

ENGL482

Creative Writing Portfolio II

(3,0) 3

This is the second in a series of two capstone classes. Working with an English faculty member on an independent study basis, students will complete book-length, unified collections of creative work of literary merit in chosen genres. Prerequisites: ENGL480.

ENGL490

Senior Thesis I

(2,0) 2

In consultation with an English faculty member, students will gather research and produce a bibliography and research proposal, as well as begin writing the thesis. This course is an independent study. Prerequisites: Literature or English Education major, senior standing, and ENGL380 or EDUC415.

ENGL499

Senior Thesis

(2,0) 2

Completion of the thesis with focus on revising and editing of the final project. This course is an independent study. Prerequisite: ENGL490.

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EVRN131

Introduction to GIS and GPS

(2,2) 3

This course provides a foundation in geographic information systems (GIS) such as data types, cartography, queries, classification, geoprocessing, basic editing, basic raster analysis and map overlay. The theory and operation of GPS receivers and data integration with GIS is covered in multi-week student initiated projects. Prerequisites: None.

EVRN231

Intermediate GIS

(1,3) 2

This course will survey the rapidly growing GIS industry, consider many important principles guiding GIS use and development, and provide the student with hands-on experience. Emphasis will be on geospatial analysis techniques, geodatabase, system design, remote sensing, and provide an introduction to advanced topics. After successfully completing this course, students should come away with a clear understanding of GIS analyses, the issues affecting how a GIS is used (and misused), how to review GIS research, how GIS research is written, and an appreciation for how GIS can contribute to a wide variety of disciplines and research interests. Prerequisite: EVRN131 or equivalent.

EVRN289

Aquatic Research Sampling Methods

(2,3) 3

A variety of sampling techniques are introduced as they relate to the various disciplines of aquatic science. These methods include sampling and preservation of biotic (plankton, fish, benthic invertebrates, DNA, pathogens) and abiotic (water quality, sediments, climate) data. Prerequisites: BIOL107, CHEM108 and 109, MATH111, and permission of instructor. Also listed as BIOL289.

EVRN290

Independent Study in Environmental Science

(1-4,0) 1-4

Special studies and/or research in environmental science for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of school dean. Prerequisites: Students must have an overall GPA of at least 2.5, and no "I" (incomplete) grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the School of Science and Natural Resources.

EVRN311

Environmental Law

(3,0) 3 alternate years

Study of the fundamental concepts of environmental law and ethics. Course includes a survey of the field of environmental ethics and a discussion of ethical issues, a review of the basic legal systems and research techniques, state and federal environmental statutes and codes of conduct for environmental professionals. Extensive use of case studies related to application of environmental law are used to illustrate ethical dilemmas and the approaches for resolving them. Prerequisite: junior standing.

EVRN313

Solid and Hazardous Waste

(3,0) 3 alternate years

Identification and classification of solid and hazardous wastes, including discussion of storage and processing, collection and transportation, resource recovery and recycling and ultimate disposal. Topics on radiation, decay, health effects and sources of hazardous materials will also be covered. Prerequisite: MATH112 or equivalent.

EVRN317

Environmental Health Applications

(3,3) 4

A systems approach addressing the factors that contribute to illness, injury, or death, and that affect the health status of individuals and populations. Topics include: environments within buildings, food sanitation, recreation facilities, personal services, and community noise and control. The laboratory emphasizes methods of measuring and evaluating environmental health risks as well as field experience. Prerequisite: One semester of chemistry and NSCI103 or permission of instructor.

EVRN325

Geospatial Analysis

(2,3) 3 alternate years

A project-centered course incorporating advanced GIS tools, GPS field work, and data sources for geospatial analysis. This class focuses on a wide range of issues relating to the raster data model, and Digital Elevation Data (DEM) and satellite imagery. The majority of the class will be devoted to 1) surface derivatives including slope, aspect, and drainage; 2) modeling; and 3) error and uncertainty. This is a hands-on course, and the student will use a variety of software tools to experience model development, analysis, and visualization. There will be a semester project and a number of mini-projects. Prerequisites: EVRN131 and a 200 level or higher course in statistics.

EVRN341

Environmental Chemistry I

(3,3) 4 alternate years

A study of the environmental chemistry of the hydrosphere, atmosphere, lithosphere, and biosphere, the measurement and remediation of water and air quality problems, the toxicology of water and air pollutants, and the environmental aspects of energy use. Prerequisites: CHEM225, CHEM231 and NSCI103. Also listed as CHEM341.

EVRN345

Advanced Spatial Analysis and Statistics

(3,3) 4

Spatial statistics differ from traditional statistics in that space and spatial relationships are an integral and implicit component of analysis. The emphasis in this course is analyzing patterns, mapping clusters and identifying geographics distributions. Specific topics include point pattern analysis, spatial autocorrelation, spatial regression and kriging. Special emphasis will be placed on using the spatial analyst and 3-D analyst extensions tools for ArcGIS. Prerequisites: EVRN131 and a course in statistics.

EVRN355

GIS Programming and Applications

(3,3) 4

This course expands the students' skills regarding object oriented programming and customization of GIS software to extend functionality and automative repetitive tasks. Emphasis will be placed on ArcObjects and object model diagrams. Prerequisites: CSCI105 and EVRN131.

EVRN395

Junior Seminar

(1,0) 1

Literature searching, scientific writing, and oral presentation of scientific data. Students will be expected to listen to presentation of peers enrolled in EVRN/CHEM499 and develop a topic for their senior thesis. Prerequisite: Junior standing. Note: Also listed as CHEM395.

EVRN399

Internship in the Environmental Sciences

1-4 1-4

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. Work hours and activities must be documented daily and approved by both the on-site supervisor and the instructor to receive credit. The course may be repeated for a maximum of four credits. Prerequisite: 2.5 GPA in major, Junior standing and permission of chair at least one semester in advance of registering for the course.

EVRN425

Environmental Systems Analysis

(3,3) 4 alternate years

The basic approach and statistical concerns associated with conducting an environmental analysis, as required for an environmental impact analysis will be integrated with interpretation of data from actual situations. Students will learn how analysis of soil, water, air, plant communities, animal communities and organic tissue analysis can be combined to evaluate the environmental health of a specific site. Discussion of solid, liquid, and hazardous wastes from a macro- and microscopic approach will be included. Prerequisite: CHEM341. Pre- or corequisite: EVRN313.

EVRN450

Laboratory Apprentice

(0,3) per credit 1-2

Students will assist in laboratories, learning instructional techniques, under direction of faculty. Course may be repeated for a maximum of two credits. Students must gain approval of the faculty member in charge of the specific laboratory, and the department chair. Credits may be used as EVRN electives.

EVRN465

Geographic Databases and Web-based GIS

(3,3) 4

This course introduces database creation and management systems for GIS and the implementation of interactive map services on the Web. Projects are used to develop the student's skills in Web page design, programming, security and Web page management. Topics include database design, SQL, ArcIMS, mobile GIS, and Map Objects. Emphasis is placed on serving maps using ArcIMS software. Prerequisites: EVRN131 and either EVRN231 or CSCI211.

EVRN490

Independent Study in Environmental Science

(1-4,0) 1-4

Special studies and/or research in environmental science for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of school dean. Prerequisites: Students must have junior or senior standing, have an overall GPA of at least 2.5, and no "I"(incomplete) grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the College of Natural and Mathematical Sciences office.

EVRN495

Senior Project

(0,6) 2

This is a practicum course in which students, under the guidance of a faculty mentor, conduct a scholarly project mutually agreed upon by the student and his/her faculty mentor. This course will be required for a degree certified by the American Chemical Society. This course may not be repeated for credit. Prerequisites: EVRN395 (also listed as CHEM395), CHEM231, and CHEM225. Dual listed as CHEM495.

EVRN499

Senior Seminar

(1,0) 1

Required for seniors majoring in chemistry/environmental science. Students will present the results of their scholarly research. Students who have completed EVRN495/CHEM495 will be required to give poster and oral presentations to the University community as part of this class. Pre- or corequisite: EVRN395 (dual listed as CHEM495). Dual listed as CHEM499.

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EXER105

Program Development and Leadership

(3,0) 3

Principles of leadership skills and styles are applied to various recreation settings with emphasis on group interaction and face-to-face leading. Programming fundamentals for effective leisure services delivery are explored and implemented. Also listed as RECS105.

EXER140

Health and Fitness

(3,0) 3

Introductory course: Theoretical basics of exercise, diet and nutrition and the wellness lifestyle. Topics include aerobic and musculoskeletal fitness, weight control, stress reduction, alcohol and tobacco abuse and presents principles for promoting a wellness lifestyle.

EXER141

Introduction to Movement

(3,0) 3

This course reviews and applies the pertinent aspects of the prerequisite disciplines of anatomy and physiology. Specific attention will be placed on muscles, bones, joint structures, and functions as well as the fundamentals of leverage, balance, and "the feel of the movement". A detailed understanding of movement description is the most critical element in the student's mastery of the subject matter.

EXER230

Athletic Injury and Illness Prevention

(3,0) 3

This is an introductory class to the field of athletic training. It will provide an overview for the student as to what an athletic trainer does. Topics included will be a history of athletic training, developing conditioning programs, nutrition, protective equipment in sports, the healing process, emergency plans, injury assessment, psychology of injury, environmental conditions and the use of drugs in sports.

EXER232

Athletic Injury and Illness Recognition and Evaluation

(3,0) 3

This class will be a continuation of EXER230. After a general knowledge base is established in EXER230, EXER232 will elaborate on those concepts and extend them to the various extremities of the body as well as the spine and head. Prerequisites: EXER230 and BIOL122.

EXER234

Preventative Taping Techniques

(0,2) 1

To present current and comprehensive taping and wrapping techniques used in athletic training. Prerequisite: EXER232.

EXER248

Psychology of Sport and Performance and Coaching

(3,0) 3

A review of the psychological aspects related to success in sport and athletics. Emphasis will be placed on presenting techniques for improving individual and team athletic performance, as well as consideration of the psychological aspects of coaching. Specific topics will include personality and sport, attention/anxiety/arousal regulation, motivational techniques, the aggression-performance relationship, and the development of team cohesion and leadership.

EXER262

Exercise Physiology I

(3,0) 3

Introduction to biological energy systems and support systems involved in physical activity and exercise. Emphasis on energy system recruitment dynamics, acute and chronic adaptations to training, and applications to programs employing physically based activities. Prerequisites: BIOL121 and CHEM104 or 115.

EXER265

Essentials of Strength Training and Conditioning

(3,0) 3

This course will enable the student to develop knowledge and expertise in the components of sport-related fitness. Specifically, strength training, cardiovascular endurance, flexibility, reaction time, speed and agility will be explored in both traditional and non-traditional sports. Emphasis will be placed on the implementation and measurement of the above sport-related fitness components and the design of a strength training and conditioning program for the purpose of enhancing athletic performance.

EXER268

Fitness Evaluation I: Field Tests

(1,2) 2

Provides theoretical background and measurement concepts specific to field tests employed in exercise science settings. Emphasis on skill, development and interpretation of results relative to normative data. Prerequisites: BIOL121 and EXER140.

EXER275

Nutrition for Sport and Exercise Performance

(2,0) 2

Extends the basic principles of nutrition presented in EXER262 and explicitly details the role of the major nutrients in their application to wellness and fitness settings, as well as athletic performance. Specifically addresses the interaction of diet and exercise in modifying the condition of the individuals with metabolic dysfunction (diabetes, obesity) or compromised cardiovascular health (hypertension, coronary heart disease). Also examines the special nutritional needs of athletes and the effectiveness of ergogenic aids in enhancing sport performance. Prerequisites: BIOL121 and EXER262.

EXER295

Practicum

(1-2,0) 1-2

Practical experiences that explore various types of work setting in exercise science, working under specialist in the various chosen areas of interest. May be repeated for a total of four credits. Prerequisite: Permission of instructor.

EXER301

Athletic Training Clinical Experience I

(0,4) 2

This course requires athletic training students to acquire, practice and demonstrate competency in basic clinical skills necessary to provide healthcare to a physically active population in a variety of clinical settings. Prerequisites: junior status and admission to the Athletic Training Education Program.

EXER302

Athletic Training Clinical Experience II

(0,4) 2

In this course, athletic training students are required to continue acquiring, practicing and demonstrating competency of the basic clinical skills necessary to provide healthcare to a physically active population in a variety of clinical settings. Prerequisites: EXER301 with a grade of C or better.

EXER340

Therapeutic Modalities in Athletic Training

(2,2) 3

This course will introduce the student to the theory and application of physical medicine devices commonly used in athletic training and sports medicine settings. Specific attention will be placed on the use of cryotherapy, thermotherapy, electrotherapy, ultrasound, traction, intermittent compression, and therapeutic massage in caring for physical injuries and illness. This course will focus on

determining the most effective therapeutic modality for a given situation and the correct application of the selected therapeutic modality. This course is designed to present the knowledge, skills and values an entry-level certified athletic trainer must possess to plan, implement, document and assess the efficacy of therapeutic modalities in the care of physical injuries and illnesses. Prerequisites: EXER232 and BIOL122.

EXER344

Kinesiology

(3,0) 3

Science of movement applied to muscle, joint structure and function and application of physical laws of gravity, leverage, motion and balance to human performance. Video tape motion analysis is used to apply these theories into practical experience. Prerequisite: EXER141.

EXER346

Therapeutic Exercise in Athletic Training

(2,2) 3

EXER346 will introduce the student to the theory and application of commonly used rehabilitative exercises in the field of athletic training. Students will be introduced to the "10 Goals of Rehabilitation," and will then study the relationship that therapeutic exercise plays in the attainment of each goal. Students will then develop a comprehensive rehabilitation plan that will enable a physically active person to return to activity as safely as possible. Students will be exposed to current surgical techniques and the rehabilitation that is involved. Prerequisite: EXER262.

EXER348

Fitness Evaluation II Laboratory Procedures

(2,2) 3

Provides theoretical background and technical aspects specific to laboratory procedures employed in clinical exercise science settings. Emphasis on developing skills with instrumentation for assessing cardiac activity, respiratory functioning, metabolic dynamics, anthropometer, and administering exercise protocols for diseased populations. Prerequisites: EXER268 and 262.

EXER349

Orthopedic Assessment in Sports Medicine

(3,0) 3

Provides a clear, concise process of physical examination of the spine and extremities which would direct the student in a logical, efficient and thorough search of anatomy relevant to the field of sports medicine. This course will allow the student to continue to build a solid foundation in anatomy specific to orthopedic education. Prerequisites: EXER230 and 232.

EXER358

Research Methods in Exercise Science

(3,0) 3

Introduction to research methods and related statistical procedures for constructing and analyzing research activities. Presentation of statistical concepts including correlation, t-tests and analysis of variance and their use in exercise science. Introduction to measurement concepts of validity and reliability and the facets of

writing a research report. Prerequisites: MATH207 and EXER262.

EXER362
Exercise Physiology II
(3,0,) 3

Extends the study of the physiological aspects of exercise by examining advanced topic areas. Specific topics covered are the endocrine system and exercise, effects of exercise on the immune system, exercise and altitude, exercise and thermal stress, as well as exercise physiology concerns of various clinical populations. Prerequisites: BIOL122, CHEM115 and EXER262.

EXER390
Recreation Leader Apprenticeship
(1,0) 1

Practical experience in learning to teach and lead various recreation experiences. Students serve with qualified instructors. Prerequisite: Basic skills and knowledge of activity and instructor permission. May be repeated for a total of three credits.

EXER401
Athletic Training Clinical Experience III
(0,4) 2

In this course, athletic training students continue to demonstrate an integration of risk management skills, assessment skills, and therapeutic rehabilitation skills into the health care of a physically active population in a variety of clinical settings. Prerequisite: EXER302 with a grade of C or better.

EXER402
Athletic Training Clinical Experience IV
(0,4) 2

In this course, athletic training students continue to demonstrate an integration of risk management skills, assessment skills, therapeutic rehabilitation skills and administrative skills into the healthcare of a physically active population in a variety of clinical settings. Prerequisite: EXER401 with a grade of C or better.

EXER428
Psychological Aspects of Exercise and Athletic Rehabilitation
(3,0) 3

The acute and chronic psychological consequences that occur as a result of involvement in physically based activities will be examined as they apply to recreational exercisers and sport enthusiasts, as well as individuals with health problems. Emphasis will be placed on developing an understanding of the theoretical background for specific topic areas and investigating the support for these theories by examining original research reports on the effects of exercise and rehabilitation on adherence, chronic pain, anxiety, depression and sport injury. Prerequisites: EXER262 and 358.

EXER434
Neurological Basics of Motor Learning
(3,0) 3

An overview of how the neurological system integrates external stimuli and internal processes in the effective control of movement. Introduced are control systems, attention processes, memory, and the role of feedback and practice on motor learning. Prerequisites: BIOL122, EXER344 and 362.

EXER440

Exercise Physiology Seminar

(2,0) 2

Examines current issues in the field and students will prepare and present advanced physiological concepts related to special topics.

EXER442

Electrocardiography in Exercise Science

(2,0) 2

Examines electrophysiological basis of ECG, cardiac anatomy and metabolism responses to rest and exercise. Prerequisite: EXER262 with a C grade or better.

EXER444

Exercise Prescription

(2,0) 2

Provides experience in writing and developing advanced training and conditioning programs for a variety of populations. Process oriented; considers needs analysis and cyclic training.

EXER446

Exercise Prescription and Testing for Special Populations

(3,0) 3

This course provides a framework for developing exercise programs for individuals with disease, disabilities, or special health issues. The course will focus on exercise prescription through management of problems created by disease of the cardiovascular, pulmonary, metabolic, musculoskeletal, neuromuscular, and immunological systems. It includes a review of the basic principles of exercise testing and exercise prescription and builds on that foundation. Also covered are methods for assessment of functional capacity of individuals with the most common health conditions presented to exercise scientists. This course fits with the new Registry for Clinical Exercise Physiologists and the American College of Sports Medicine guidelines and will provide students with the necessary skills and knowledge for employment in a clinical setting. Prerequisites: EXER358 and 444.

EXER450

Philosophy of Human Performance and Leisure

(3,0) 3

A study of the origins and development of leisure behavior, sport, athletics and personal fitness across cultures. Ethical issues such as violence, opportunity, exploitation, role models and equity will be examined. Prerequisites: EXER262 or RECS101 and junior status.

EXER452

Allied Health Administration

(3,0) 3

This course is intended to enhance the administrative ability of allied health professionals. Students will learn to apply current management theories to administrative problems they may face. This will allow entry level allied health professionals the ability to craft creative solutions to administrative problems. Content in this course includes management strategies for the following: Program offerings, finances, human resources, facilities, information, insurance, and legal considerations. Prerequisites: EXER230 and junior standing.

EXER481
Professional Development Seminar
(1,0) 1

Opportunities for students to refine personal and professional goals and initiate preparation of resumes and interviewing skills. Career planning and placement will be emphasized as well as internship evaluation. Seminar format. Prerequisite: Senior status required.

EXER492
Internship
6

Comprehensive practical application of students formal academic preparation. Prerequisite: Junior status and instructor permission.

EXER496
Selected Research Topics
(1-3,0) 1-3

Student carries out approved project(s) of his/her own initiative. Prerequisites: Junior standing and instructor permission.

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FINC242
Personal Finance
(3,0) 3

An introduction to the principles of personal financial planning. Topics include the financial planning process, credit and borrowing fundamentals, analysis of savings, investments and taxes, individual insurance, retirement and estate planning. Prerequisite: MATH086 or equivalent/satisfactory score on ACT or Placement Exam.

FINC245
Principles of Finance
(3,0) 3

An introduction to the principles of business finance. Topics include math of finance, working capital management, financial planning and forecasting, debt and leasing, common and preferred stock, leverage and capital structure, capital budgeting, cost of capital. Students with credit in FINC341 may not enroll in this course. Prerequisites: ACTG132, 230, or OFFC119, and MATH086 or equivalent/satisfactory score on ACT or Placement Exam.

FINC248

Real Estate

(3,0) 3

A study of the basic principles of real estate practice. Coverage includes broker-agent relationships, real estate marketing, real estate law, financing, appraising, taxation and math. Prerequisite: MATH086 or equivalent/satisfactory score on ACT or Placement Exam.

FINC341

Managerial Finance

(4,0) 4

The nature and scope of financial management including math of finance, financing instruments, leverage and capital structure, financial planning and forecasting, risk and return analysis, capital budgeting. Prerequisites: ACTG133 and BUSN211.

FINC443

Insurance

(4,0) 4

A study of the financial, legal and social aspects of the insurance industry with emphasis on risk and actuarial analysis, insurance institutions and operations, insurance contracts and policies including life, annuity, health, property, liability, group, business and governmental coverages. Financial planning worksheets are utilized to appropriate policy selection. Prerequisites: BUSN350 and MATH086 or equivalent/satisfactory score on ACT or Placement Exam.

FINC446

Financial Analysis and Policy

(4,0) 4

An analytical study of long- and short-term financial policy and strategy through case problems. Selected readings in financial theory supplement the case studies. Prerequisite: FINC341.

FINC448

Investment Strategy

(4,0) 4

A study of investment media and securities markets, risk and return analysis, valuation theory, portfolio construction and investment mechanics. Prerequisite: FINC341.

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FINE405

Independent Project

(3,0) 3

Under the direction of an appropriate supervisor, the fine arts studies student will prepare and create a project within the scope of the student's principal continuations. The project will normally integrate or synthesize aspects of the fine arts; however, its precise nature will be a matter for discussion and approval by the faculty supervisor. The project will be concluded by an appropriate presentation and

written report. Prerequisites: fine arts studies major and senior standing. Must be taken both fall and spring semesters for a total of six credits.

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FIRE101

Introduction to Fire Science

(3,0) 3

Survey of the history and philosophy of fire protection. Examines present fire protection problems and future challenges, public fire protection agencies, firefighting equipment and extinguishing agents. Special emphasis is placed on emergency responders' safety and hazardous material recognition.

FIRE102

Wildland and Rural Fire Control

(3,0) 3

Class will provide the theory and practical instruction necessary to manage and control wildland fires. Prevention, back burns, grid references, fuels, firefighting methods and tactics are covered in the course. Select students may earn their "red card" which provides United States Forest Service certification.

FIRE111

Hazardous Materials

(3,0) 3

Principles of combustion; examination of theoretical and practical aspects of combustion. Investigation of physical and chemical properties of substances which may harm responders, the general public and the environment.

FIRE197

Physical Fitness for Public Safety

(0,3) 1

This course provides physical fitness and skills necessary for the law enforcement and fire science certification students. Fire science students take the course semester before FIRE220.

FIRE201

Fire Protection Construction Concepts

(3,0) 3

Impact of building construction concepts and methods on firefighting tactics and strategy, decision making and safety. Presentation of the ramifications of hostile fire on construction and building materials.

FIRE204

Fire Protection Hydraulics and Pumps

(3,0) 3

The application of mathematics and physics laws to properties of water, force, pressure and flow velocities. Emphasis: Applying principles of hydraulics to fire protection problems, use of water supply sources and needs; examines fire

department apparatus testing, inspection and maintenance; deals with apparatus specifications and requirements. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam and FIRE101 or FIRE102, or BIOL102 or BIOL140 or BIOL286 as a pre- or corequisite.

FIRE206

Fire Protection Systems, Equipment and Industrial Fire Protection

(3,0) 3

Use and water supply needs of sprinkler and stand pipe systems and devices, fixed detection and control systems and devices, fire department testing, inspection and maintenance. Alarm centers, warning devices and safety considerations are covered along with fire flow calculations and risk assessment. Examination of fire and lifestyle hazards in business and industry. Emphasis on managing fire prevention and training private fire brigades. Prerequisites: FIRE101, FIRE111, FIRE204 and MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

FIRE211

Tactics and Strategy

(3,0) 3

Utilization of manpower, equipment and apparatus on the fireground. Emphasis: Pre-fire planning, fire ground decision making. Implementing tactics and disaster planning. Students will use fire simulation programs and interactive technology to apply and implement the principles covered in didactic instruction. Prerequisite: Either FIRE101 or 102 and 204 as a pre- or corequisite.

FIRE219

Firefighter Essentials

(3,0) 3

This course is the first part of a two class sequence; the second part of the sequence is FIRE220. This course will cover the principles of firefighting attack skills through the practical instruction and exercises as outlined by the Michigan Firefighters Training Council (MFFTC). This course introduces the student to the application of the principles of fire attack and strategy for Firefighter I certificate and portions of Firefighter II through the use of exercises and computer-generated simulations. Hazmat incident analysis and other major disaster case studies are used in this class. Prerequisites: FIRE101 and 111. Corequisites: FIRE197, 204, and 206. Completion of special medical examination.

FIRE220

Fire Science Certification

(3,3) 4

An application of the principles of fire attack and strategy through the use of exercises and computer-generated simulations. Hazmat incident analysis and other major disaster case studies are used in this class. Prerequisites: FIRE101, FIRE111, FIRE197 and FIRE204. Corequisites: FIRE206 and FIRE211. Completion of specialized medical examination.

FIRE301

Code Enforcement Inspection and Fire Prevention

(3,0) 3

An introduction to fire inspection procedures and inspection techniques as related to building construction, fire load, fire protection systems, plans and the storage of hazardous materials. A study of safety code enactment, formulations and its relation to fire prevention and public education efforts and responsibilities of the fire service. Prerequisites: FIRE111, FIRE206 and Junior Standing.

FIRE309

Fire-Related Human Behavior

(3,0) 3

This course will provide students the knowledge to understand how humans behave in fire and emergency situations, and how that behavior is integrated into life safety systems development and design. Students will study past and present research on human behavior, life safety models, building design, and life safety education. Students will develop an understanding how to analyze possible outcomes as it relates to human survivability in fire and emergency situations. Pre- or Co-requisites: FIRE101, FIRE206, and FIRE301, or permission of instructor.

FIRE312

Hazardous Materials Management

(3,3) 4

Covers requirements of federal law dealing with hazardous incidents, waste management with reference to OSHA, NIOSH, NFPA, and ACGIH standards. This class can certify select students at the level of general hazard awareness, emergency response operations, and hazardous waste worker. Prerequisites: FIRE111 or CHEM116 and junior standing.

FIRE315

Company Level Supervision and Management

(3,0) 3

This course is intended to provide a comprehensive overview of supervision and administration skills necessary to function as a company officer, which would include but not be limited to planning, budgeting, time management, training, emergency incident command, and facility maintenance and care. Pre- or corequisites: FIRE101, FIRE111, FIRE204, FIRE206 and FIRE211.

FIRE325

Homeland Security and Emergency Services

(3,0) 3

This course will prepare all graduates from a variety of majors to understand how homeland security impacts the US political system as a whole, but especially from the standpoint of emergency response and preparedness. Investigates the impact of the federal, homeland security apparatus on emergency response organizations at the state and local level. Includes a historical review of "homeland security" measures beginning in WWI and through WWII and the Korean War. Especially reviews the security situation during the Cold War. The course deals with the federal agencies usually not associated with homeland security, such as DEA, ATF, the military departments, FAA, CDC, the National Guard Bureau, and the DOD. Prerequisite: Junior standing. Students from other majors are encouraged to enroll with permission of instructor. Also listed as CJUS325.

FIRE401

Senior Seminar

(3,0) 3

Seminar and independent study course with individual student guidance by faculty on selected research topics in fire science. Prerequisites: Senior standing.

FIRE402

Fire Service and the Law

(3,0) 3

Capstone course. Introduces the judicial system in which the fire service operates. Covers civil action, liability, labor, prevention, safety (OSHA), and environmental law. Prerequisite: Senior level standing.

FIRE403

Fire Science Internship

3-9

Fire science internship with an agency. Credit is based on 34 hours of field work per credit hour. Students must make application by the ninth week of the previous semester. Prerequisites: FIRE220 and senior standing.

FIRE490

Independent Study for Fire Science

(1-4) 4

This may take the form of either a research project or a program of directed reading on a specific subject. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. May be repeated up to six credits. Prerequisite: Permission of instructor.

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FREN151

First Year French I

(4,0) 4

An introductory course designed to develop the four basic language skills of understanding, reading, speaking and writing, as well as the fundamentals of grammar. A conversational and cultural approach based on everyday life situations from the Francophone world. Basic information in English with progressive emphasis put on the use of French in class.

FREN152

First Year French II

(4,0) 4

Continuation of FREN151 with further acquisition of syntax, grammar and culture with increased emphasis on speaking, reading and writing. As course progresses and the use of French becomes almost dominant in class, basic conversation and composition practice based on increased cultural awareness becomes more elaborate and refined. Prerequisite: FREN151 or equivalent.

FREN251

Second Year French I

(4,0) 4

A course designed to help students further and complete their mastery of basic spoken and written French. Review and completion of grammar information. Systemic conversation practice based on more-advanced readings dealing with current social issues within a broad historical and cultural context, as well as a more-elaborate practice of composition writing. Course largely taught in French. Prerequisite: FREN152 or equivalent.

FREN252

Second Year French II

(4,0) 4

Continuation of FREN251 with further emphasis on oral presentations, general conversation practice and writing of compositions, essays, reports and letters. Development of a more mature use of syntax, grammar and idioms within a broader cultural context which includes a first approach to French literature. Initiation to the basic principles of translation and interpretation. Course almost completely taught in French. Prerequisite: FREN251 or equivalent.

FREN351

Advanced Conversation and Composition I

(3,0) 3

Extensive reading, debating and writing related to contemporary issues within the Francophone world as they are expressed in books, films, newspapers and television. Further practice of translation and interpretation. Preparation to the examination for the DELF (Dilome Elementaire de Langue Francaise) of the French Ministry of Education. Prerequisite: FREN252 or equivalent.

FREN352

Advanced Conversation and Composition II

(3,0) 3

Continuation of FREN351 and systemic practice to the examination for the DELF. Prerequisite: FREN351 or equivalent.

FREN353

Business French I

(3,0) 3

An initiation into the language skills for use in business situations in a French-speaking environment. A conversational approach is used with systematic oral and written practice from authentic documents. Preparation to the examination leading to the Certificat Pratique from the Chamber of Commerce of Paris. May be taken concurrently with FREN351. Prerequisite: FREN252 or equivalent.

FREN354

Business French II

(3,0) 3

Continuation of FREN353. Aims to bring students to a level of proficiency in French business communication that would enable them to function in an internship situation. Visits to French-speaking companies. Further preparation to the examination leading to the Certificat Pratique from the Chamber of Commerce of Paris. May be taken concurrently with FREN352. Prerequisite: FREN353 or

equivalent.

FREN355

Survey of French Literature I

(3,0) 3

A chronological study of French literature from its origins to the 18th century. Emphasis on the development and continuity of ideas and their evaluation within the political, social and religious framework of the time, their influence on evolution of language and literature. Text analysis and discussion. May be taken concurrently with FREN351. Prerequisite: FREN252 or equivalent.

FREN356

Survey of French Literature II

(3,0) 3

Continuation of FREN355. Study of major works of French literature of the 19th and 20th centuries. Text analysis and discussion. May be taken concurrently with FREN352. Prerequisite: FREN252 or equivalent.

FREN360

French Cultural Perspectives

(4,0) 4

This course takes place in France as students participate in a study tour with their instructor. They discover Paris, its monuments, art galleries, museums and libraries; visit ancient Roman vestiges, cathedrals of the Middle Ages and chateaux of the Renaissance, as well as actively participate in French everyday life. However, alternate on-campus version of this course on contemporary French society and culture is offered to students who do not wish to travel to France. Extensive literary, historical and audio-visual documentation provide material for stimulation analysis and discussion of typical French value orientations, family structures, educational, and cultural institutions. Assignments in French or English. Offered summers only. No prerequisite.

FREN370

The Francophone World I

(4,0) 4

This course conducted in English is designed to provide information and help understand the people of French-speaking Africa, French West Indies, South-East Asia and Polynesian Islands. It consists in a study of colonial and post-colonial history, culture and society in these different parts of the world. Participation of native guest speakers with extensive use of audio-visual materials will richly enhance participation and discussion. Prerequisite: junior standing.

FREN460

Directed Academic and Cultural Immersion

(6,1) 6

This multi-faceted course, which takes place in a French-speaking environment, allows students to reach oral and written fluency in language as well as advanced knowledge in a broad variety of areas directly related to French life and civilization. Upon completion of a specific number of courses chosen in consultation with their advisor, students will be granted upper division credits towards completion of their major requirements. Prerequisite: completion of two 300-level French courses at

LSSU.

FREN490

Independent Study in French

(1-4)

Independent research or directed study under the supervision of a faculty member. May be repeated for a total of eight credits. Prerequisite: permission of instructor.

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GEOG106

Physical Geography: Landforms

(3,2) 4

Introduction to the description and distribution of landforms with emphasis on lithospheric, hydrospheric and atmospheric relationships. Natural (physical) science credit given. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam. Credit for both GEOG106 and NSCI107 not permitted.

GEOG108

Physical Geography: Meteorology & Climatology

(3,2) 4

Introduction to earth-sun relationships, maps and elementary principles of atmospheric science. Natural (physical) science credit given. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam. Credit for both GEOG108 and NSCI105 not permitted.

GEOG201

World Regional Geography

(4,0) 4 alternate years

A study of the physical environment, resources, past and present economic development, population distribution and historical development of Europe, Asia, the Islamic Middle East and North Africa, Sub-Saharan Africa, Latin America and North America.

GEOG302

Economic Geography

(4,0) 4 alternate years

A study of the internal and external inter-relationships of the various economic groupings of the world; i.e. North America, Europe and the emerging third world.

GEOG306

Cultural Geography

(3,0) 3

A study of the relationship of environment, culture and adaptive patterns; i.e., socio-economic development. A special emphasis will be placed upon the current problems associated with food supplies, shortages and third world development.

GEOG322

Geography of South America, Central America and the Caribbean Region

(4,0) 4 alternate years

The study of the geographical features and cultural history of the major regions in South America, Central America and the Caribbean with special concern for their 20th century development. Prerequisite: Junior standing.

GEOG323

Geography of East and Southeast Asia

(4,0) 4 alternate years

The study of the geography of Japan, China, Korea, Southeast Asia and India with special emphasis on the impact of the major religions, regional rivalries and 20th century development. Prerequisite: Junior standing.

GEOG490

Independent Study in Geography

(1-4) 1-4

Special topics such as regional, historical, economic, urban, cultural or physical geography. Prerequisites: Junior standing and permission of instructor. May be repeated up to a total of 12 credits.

GEOG492

Individualized Studies in Geography

(2-4,0) 2-4

This is designed to provide an opportunity for specialized study of issues, problems and selected topics in geography. Prerequisite: Junior standing and permission of instructor.

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GEOL115

Field Excursions in Earth Science

(2,4) 4

A field- and project-based educational experience in which aspects of geology, including environmental geology, earth resources, tectonic processes and the interrelationships among geology and other natural sciences, will be addressed. Travel destinations will include regions with unique natural history. Credit can be earned for only one of NSCI102, GEOL115 and GEOL121.

GEOL121

Physical and Historical Geology I

(3,2) 4

The study of processes and features of the rocks and surficial materials that form the Earth's crust. Emphasis will be placed on the dynamic earth including volcanoes, plate tectonics, geologic time, catastrophic events such as earthquakes, and natural resources and their impact on society. The class requires student projects and emphasizes active problem-solving. Laboratory exercises involve

minerals, rocks, topographic and geologic maps. Credit can be earned for only one of NSCI102, GEOL115 and GEOL121.

GEOL122

Physical and Historical Geology II

(3,2) 4

The study of surficial processes and landforms in the context of their historical perspective. Emphasis will be placed on evolution of the earth; stratigraphic principles, tectonic framework of North America; landforms and depositional environments; climate, weathering, surficial processes, and sea level changes; and significant events in the history of plants and animals. Laboratory exercises involve geologic maps, invertebrate paleontology, and surficial processes including environmental applications. Pre- or corequisites: GEOL121 or NSCI102 or GEOL115.

GEOL218

Structural Geology and Tectonics

(3,6) 5

A study of the deformation of the Earth through a project-centered approach that focuses on actual tectonic problems. Emphasis will be placed on descriptive, kinematic and dynamic analysis of geologic structures, deformation mechanisms and the evolution of each in the context of the regional and global geology. Prerequisite: GEOL122.

GEOL223

Mineralogy and Petrology

(3,6) 5

A laboratory course emphasizing hand-sample techniques for identification of minerals and rocks. Major topics include: physical properties, crystalline structure, and chemical composition of minerals, classification of minerals and rocks; origins of igneous, sedimentary and metamorphic rocks; plate tectonic occurrence of minerals and rock assemblages; and societal and economic significance of minerals and rocks. Prerequisite: GEOL121 or NSCI102. Pre- or corequisites: GEOL122 and CHEM115.

GEOL290

Independent Study in Geology

(1-4,0) 1-4

Special studies and/or research in geology for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the school chair. This course may be repeated for a maximum of eight credits. Prerequisite: Sophomore standing or higher.

GEOL315

Geoenvironmental Systems

(3,6) 5 alternate years

The study of environmental issues in a geological context through local and regional field projects. Projects will examine issues such as flooding, shoreline erosion, slope stability, groundwater resources and contamination, and the environmental impact of mineral and energy resource extraction. Emphasis will be placed on the evaluation of environmental issues through the application of geological and geophysical field data such as collecting and analyzing sediments, bedrock and

sediment mapping, and well log analysis. Prerequisites: GEOL218 and GEOL223.

GEOL318

Tectonic Systems

(3,6) 5 alternate years

Study of tectonic process and how these processes affect the earth and its evolution with time. A variety of modern and ancient tectonic settings will be studied through projects and case studies. The deformational, geochemical, sedimentological and geophysical characteristics of individual tectonic settings will be evaluated and their evolution with time will be analyzed. Weekend field trips may be required. Prerequisites: GEOL218 and 223.

GEOL323

Geochemical Systems

(2,6) 4 alternate years

The study of high-temperature igneous, metamorphic, and hydrothermal processes in the context of their global tectonic settings. Topics include the origin and evolution of magmas, igneous crystallization and emplacement processes, hydrothermal reactions and ore deposits, the thermodynamics of metamorphic reactions, and tectonic environments in which these processes occur. A pre-semester one-week field trip and weekend field trips may be required. Prerequisites: GEOL218 and GEOL223.

GEOL325

Clastic Systems

(2,6) 4 alternate years

The study and interpretation of siliciclastic sediments and environments based on stratigraphic principles. Topics include clastic transport and fluid flow, sedimentary structures, lithostratigraphy, facies recognition and relationships, depositional models, diagenesis, stratigraphic diagrams and maps, and tectonics and sedimentation. A pre-semester one-week field trip and weekend field trips may be required. Prerequisites: GEOL218 and GEOL223.

GEOL380

Introduction to Field Geology

(0,9) 3

Introduction to field methods in geology including measurement of sections, mapping techniques, and field interpretation of outcrops. A variety of geologic provinces and environments will be examined. A supply and travel fee will be charged. Prerequisites: GEOL218 and GEOL223.

GEOL410

Engineering Geology

(3,2) 4

This course examines rock types and stratigraphy, geological structures, surface processes, earth materials and methods of geological investigation in the context of behavior of soils and rocks as related to planning and construction. The course includes coverage of in-situ investigations including shallow geophysical methods and emphasizes environmental applications and concerns. Prerequisites: MATH112 or 151, CSCI101 or 111, PHYS221 or 231.

GEOL411

Hydrologic Systems: Surface and Groundwater

(3,3) 4 alternate years

The study of hydrologic systems with an emphasis on land surface and groundwater hydrology. Topics include global climate and the hydrologic cycle, precipitation, snow processes, soil water flow, evapotranspiration, groundwater flow, groundwater-surface interactions, and steam hydraulics. Laboratory components will provide experience in hydrologic field techniques, numerical modeling, and independent research. Prerequisites: PHYS221 or 231.

GEOL431

Geophysical Systems

(3,6) 5 alternate years

The study of geologic, geophysical, and environmental problems using magnetic, electromagnetic, resistivity, gravity, and seismic geophysical techniques. Projects will involve geophysical and geologic survey design, data collection, data processing, and data interpretation and will require the integration of geophysical and geological data to solve problems. A pre-semester one-week field trip and weekend field trips may be required. Prerequisite: GEOL218. Pre- or corequisites: MATH112 or MATH151 and PHYS221 or PHYS231.

GEOL445

Carbonate Systems

(3,6) 5 alternate years

The study and interpretation of carbonate sediments and environments based on stratigraphic principles. Topics include biostratigraphy, facies characteristics and relationships, depositional models, diagenesis, stratigraphic diagrams and maps, and invertebrate paleontology. Weekend field trips may be required. Prerequisites: GEOL122, GEOL218 and one GEOL course at the 300 level or above.

GEOL450

Geology Seminar I

(1,3) 2 alternate years

Study, discussion, and laboratory experience in specialized topics in geology. Students will collect and compile information, write papers, make presentations, and lead discussions. Prerequisite: Two GEOL courses at the 300 level or above.

GEOL451

Geology Seminar II

(1,3) 2 alternate years

Study, discussion, and laboratory experience in specialized topics in geology. Students will collect and compile information, write papers, make presentations, and lead discussions. Prerequisite: Two GEOL courses at the 300 level or above.

GEOL480

Advanced Field Geology

(0,9) 3 alternate years

Three weeks of advanced field methods in geology including field mapping of deformed rocks, construction of cross sections, and interpretation of depositional

and deformational histories. A variety of geologic provinces and environments will be examined. A supply and travel fee will be charged. Prerequisites: GEOL380 and one additional GEOL course at the 300 level or above.

GEOL490
Research Topics in Geology
(1-4,0) 1-4

Special studies and/or research in geology for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the school chair. This course may be repeated for a maximum of eight credits. Prerequisites: Junior standing or higher.

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HIST101
History of World Civilization I
(4,0) 4 fall

A study of world civilization from earliest time through the baroque.

HIST102
History of World Civilization II
(4,0) 4 spring

A study of world civilization from the baroque to the present.

HIST131
United States History I
(4,0) 4 fall

A study of United States history from the colonial settlement to the end of the American Civil War in 1865.

HIST132
United States History II
(4,0) 4 spring

A study of United States history from the end of the Civil War to the present.

HIST203
Chinese Cultural Diversity
(3,0) 3 summer

Designed for students interested in the diversity of Chinese culture and study abroad. Taught in English and offered at a partner university in China during the first summer session. This four-week course explores, but is not limited to, the traditional social values, classes, divergences, ethnicity, religion, and gender issues characteristic of Chinese culture. The course is conducted in a lecture format with class discussions and guided field trips.

HIST301
History of England: 1000 to 1714

(4,0) 4 on demand

These 700 years witness the formation and maturing of most of the important political and social institutions that have come to be the Anglo-Saxon civilization and tradition. This period is critical to understanding present-day American culture and civilization.

HIST302

England in the Modern World

(4,0) 4 spring, even-numbered years

A history of England from 1715 to the present, emphasizing the struggle for parliamentary government, the Anglo-French conflict for commercial and colonial empire, the Industrial Revolution, the evolution of democracy and the recession of the British Empire.

HIST310

Russia: From Under-developed State to Superpower

(4,0) 4 fall, odd-numbered years

A study of Russian history from Peter the Great to the present.

HIST315

Europe From Napoleon to World War I

(4,0) 4 fall, even-numbered years

A study in the political and economic history of Europe in the period 1789-1914.

HIST316

Europe in the 20th Century

(4,0) 4 spring, odd-numbered years

A study of Europe in the age of Nazism, Communism, World War I and II, and the Common Market.

HIST321

History of Michigan

(2,0) 2

The History of Michigan is a survey course that will include an examination of the geology, geography, and history of the state. This course will also study the role of citizens, events, issues, and their impact on the development of Michigan as well as the larger developments in the United States during the Jacksonian Period, the Civil War Period, the Period of Rapid Industrialization and Urbanization, the Period of 1914 to 1945, the Period 1950 to the Present, the Period of Industrial Expansion and Decline, and the Post-Vietnam War Period of Globalization. The major political, economic, social, and cultural movements and developments of these historic periods will be examined.

HIST333

American Military History

(4,0) 4 on demand

A general survey of American military history with a specific emphasis on the Midwest and Great Lakes regions. To utilize the unique geographic location of LSSU,

field trips to the Straits of Mackinac and St. Joseph's Island are a part of the course.

HIST335

American Political Parties

(4,0) 4 on demand

A study of the rise and development of the American party system and the large number of major and minor parties that have participated in this system in the years prior to 1945. These parties will be treated in an historical fashion rather than structurally. May be taken for political science credit.

HIST361

Latin America

(4,0) 4 Fall, even-numbered years

A study and analysis of Latin American history from the end of the Colonial Period to the present. This course will examine the basic political, social and religious institutions of Latin America and their evolution and the role in the change of problems of U.S.-Latin American relations will be an important focus of this study. Prerequisite: GEOG322 geography of South America.

HIST371

Far East Civilization: 1850 to Present

(4,0) 4 Odd numbered years

A study of the history of China, Japan, India and adjoining areas of Asia from 1850 to present.

HIST440

The Declaration of Independence and the Constitution

(4,0) 4 Spring

The events between 1763 and 1791 which produce these documents are the United States in the historical sense. Using original documents and contemporary comments, this critical era will be studied in depth to determine whence we came. Prerequisite: U.S. history sequence desired.

HIST441

Diplomatic History of the United States I

(4,0) 4 Fall, odd numbered years

American diplomacy from 1775 through the 19th century to U.S. entry into World War I in 1917. May be used as political science credit.

HIST442

Diplomatic History of the United States II

(4,0) 4 Spring, even numbered year

American diplomacy from the entry of the U.S. into World War I in 1917 up through present day. May be used as political science credit.

HIST490

Individual Historical Research

(0,1-4) 1-4 On Demand

Independent study under supervision of history faculty. May be repeated up to a total of six credits. Does not apply toward 300- or 400-level requirements in history. Prerequisite: Permission of the supervising faculty.

**HIST496
Historical Methods**

(2,0) 2 Fall

Survey emphasizing research aids and techniques and historical analysis. Readings, discussions and written exercises introduce students to problems, methods and techniques of historical research. Discussion of and practice in main techniques of historical method, including bibliography and documentation. Prerequisites: Senior standing and pursuit of a major or minor in history.

**HIST497
Senior Seminar in History**

(0-6) 2 Spring

Students will complete a historical research project under the supervision of a faculty member; at end of term participants make oral presentation at seminar for other students and invited guests, and submit the final paper. Prerequisite: HIST496 and instructor permission.

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**HLTH101
Introduction to Medical Terminology**

(2,0) 2

This course introduces the beginning student to basic medical terminology related to all areas of health care. The focus of this course is on understanding and proper usage of medical language.

**HLTH104
Nutrition for Early Childhood**

(3,0) 3 alternate years

Introduction to the function and metabolism of nutrients with special emphasis on the relationship between nutrition and childhood growth and development between 0-8. Lectures, discussion and community-based assignments will relate the body systems to the child's nutritional status, review recent developments in nutrition as they relate to childhood development, and provide basic nutrition education principles for adaptation in community settings.

**HLTH208
Principles of Human Nutrition**

(3,0) 3

Fundamentals of human nutrition and nutrition therapy are presented in relation to human body function in wellness and illness. With a special focus across the lifespan, content from this course begins to build a foundation for the interpretation of diet regimes and diet formulations for patients with nutritional needs. This course

is required for all nursing students. Prerequisites: BIOL122 or BIOL105 with a grade of C or better.

HLTH209

Pharmacology

(3,0) 3

Study of basic concepts of pharmacology and their relationships to health care. Drug metabolic processes are described providing foundation for clinical judgments about drug actions, reactions and interactions. Prerequisites: BIOL122 or 105 and CHEM105.

HLTH210

Introduction to Health Care Concepts and Issues

(3,0) 3

This course is an introduction to the health care system with analysis of the issues and trends affecting the provision of health care services. Health care topics reviewed will include both local and global issues. Required course for environmental health and healthcare and administration; may also be used as an elective course. Material supports accreditation criteria for environmental health. Prerequisite: Sophomore standing.

HLTH232

Pathophysiology

(3,0) 3

Study of physiological alterations in the body which disrupt homeostasis. Integrates anatomy, physiology and biochemistry into framework for studying disease. Core content provides understanding of mechanism and principles of disruptions of health. Emphasis on clinical correlations and physiological basis for common disorders. Prerequisite: BIOL122.

HLTH235

Healthcare Informatics

(2,0) 2

The purpose of this course is to gain a basic understanding of nursing informatics and its application to education, research and practice in health care professions. Topics include computer literacy skills, information literacy, and overall informatics competencies. Competencies taught will meet the American Nurses Association Scope and Standards of Nursing Informatics Practice (ANA, 2001) for beginning nurses. Prerequisites: Admission into Nursing program and basic computer skills.

HLTH328

Multicultural Approaches to Health Care

(3,0) 3

This course explores values, beliefs and practices related to health behaviors in a variety of culturally diverse groups. Methods for fostering culturally sensitive care are explored. Content includes communication, biological and nutritional considerations, assessment techniques and alternative/complementary health practices. Prerequisite: SOCY101. Also listed as NURS328.

HLTH329

Women's Health Issues

(2,0) 2

This course explores the diverse health needs of women across the life span. Students are encouraged to take an active participation in identifying topics of interest. Social, cultural, political, economic, legal and ethical issues are analyzed for their influences on women's health and the health care women receive. Prerequisite: SOCY101.

HLTH330

Applied Nutrition

(2,0) 2 alternate years

Application of nutrition principles in health care; obesity, anorexia nervosa and bulimia; emphasis on gathering information and relevant objective measurements (anthropometric, biochemical) for use in developing nutritional care plans. Prerequisite: HLTH208.

HLTH352

Health Issues of Aging Populations

(3,0) 3

This course is designed to assist students from a variety of disciplines to gain a greater understanding of health-related issues that are associated with advancing age. In addition to exploring physiological and psychological changes experienced by our elderly clients, students will learn how they can adapt their work strategies to work more effectively for the elderly clients that they serve. Prerequisite: PSYC155 and junior level status. Also listed as NURS352.

HLTH452

Contemporary Issues in Nutrition

(3,0) 3 alternate years

Utilizing an epidemiological frame, students will learn how to research current issues and topics in nutrition for closer examination and discussion. Nutritional trends and topics such as nutraceuticals, nutrigenomics, functional foods, supplements, herbs, and advertised dietary approaches aimed at promoting wellness and health will be explored in-depth and analyzed. Prerequisites: BIOL122, CHEM105, HLTH104, 108, 208 and EXER275.

HLTH490

Independent Study in Health

(1-4,0) 1-4

Individual investigation of topics tailored to student interest and need. Prerequisites: Junior or senior standing and instructor permission.

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HONR101

Honors First-Year Seminar (variable topics)

(1-2,0) 1-2

An intensive reading/discussion seminar of selected topics from any discipline of

special interest to first-years honors students. An interdisciplinary focus is encouraged as well as the inclusion of active learning strategies that promote self-directed learning. Class size is limited to 15 to promote student and faculty interaction around the world of ideas. Prerequisites: status as an Honors candidate (freshman) or fully admitted University Honors Program student, and/or permission of the Honors coordinator. May be repeated for a maximum of four credits.

HONR202

Honors Contemporary Issues

(3,0) 3

An interdisciplinary sophomore-level seminar for University Honors Programs students. The course is designed to accommodate a range of specific topics; the particular topics, however, will investigate some aspect of the history of intellectual ideas, the nature of intellectual inquiry, and/or the construction of knowledge. The instructor serves as a facilitator in the seminar format which is intended to encourage student-directed learning. Prerequisites: formal admission to the University Honors Program and/or permission of the Honors Program coordinator. May be repeated for a maximum of 9 credits.

HONR302

Honors Ideas Seminar

(3,0) 3

A junior-level seminar for University Honors Program students. The course is designed to accommodate a range of special topics to be submitted by LSSU faculty under the general provision for Special Topics; the topics may evolve out of an interdisciplinary focus on some aspect of traditional disciplinary subject matter, or may be a reconfiguration of a regular course, redesigned to meet the particular needs of Honors Program students. The role of the instructor, however, would be as a facilitator, working within the seminar format to encourage student-directed learning around a topic requiring intellectual rigor. As this is a core requirement for all junior Honors students, it is expected that a given course proposal would not require prerequisites beyond those for general education. Prerequisites: formal admission to the University Honors Program, junior status, and/or permission of the Honors Program coordinator. HONR201 recommended. May be repeated for a maximum of nine credits.

HONR401

Honors Thesis

(1-4,0) 1-4

A major written work based on independent research or creative effort to be carried out under the supervision of a full-time faculty member. Research is intended to be widely interpreted and may include, but is not limited to, experiments, analysis of existing data, and a summary and integration of already completed but dispersed research. Students will make a formal presentation of their findings to the Honors Council, the thesis supervisor, junior/senior Honors students, and others in the spring of their senior year. Prerequisites: 3.5 GPA, 15 Honors credits, HONR202 and HONR302. Students must present a fully developed proposal to the Honors Council for approval before enrolling in HONR401 or its equivalent in their major.

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HUMN203

Survey of Chinese Culture

(3,0) 3 summer

Designed for students interested in Chinese culture and study abroad. Taught in English and offered at a partner university in China during the first summer session. This four-week course introduces the major cultural and artistic aspects of Chinese society. Lecture topics include Chinese history, geography, language, ethos, philosophy, literature, religion, historical relics, education, medicine, architecture, etiquette, and social and economic aspects of Chinese culture. Field trips to museums, art galleries, historic sites, and places of interest are scheduled throughout the trip.

HUMN240

Native Art and Culture

(3,0) 3

An overview of traditional and contemporary Native arts including visual art, music, literature, storytelling, architecture, theater and dance within their cultural context. Relationships between historical and contemporary forms and expression of Native identity and philosophy through artistic mediums will be examined. Also listed as NATV240.

HUMN251

Humanities I

(4,0) 4

The humanities in the life of mankind from prehistory to the Medieval epoch. Emphasizes significant values evolved in the Hebrew, Greek, Roman and early Christian cultures. Includes consideration of the arts, language, religion, mythology, philosophy and ancient Chinese and Indian systems of religious thought. Prerequisite: ENGL110.

HUMN252

Humanities II

(4,0) 4 fall, spring,

Continuation of HUMN251, the humanities in the age of science, from the early Renaissance to the present. Prerequisite: ENGL110.

HUMN255

World Mythology

(4,0) 4

A survey of world mythology from "Gilgamesh" to "Finnegan's Wake". Prerequisite: ENGL110.

HUMN256

Introduction to Film: Images of Our Culture

(2,2) 3

An exploration of film as an image of our culture in both its technical sense and in its role as a contemporary art form which conveys and delimits our aesthetic and social values. Focus on the visual elements of film, historical development of the medium, and its narrative modes through screening of significant films. Prerequisite: ENGL110.

HUMN261

World Literature I

(3,0) 3 on demand

The Ancient World to the Renaissance. Readings in translation of significant, primarily Western texts. Selection can include the Bible and works by such authors as Homer, Virgil, Thucydides, Tacitus, Boccaccio, Montaigne, Rabelais, and others. Prerequisite: ENGL110.

HUMN262

World Literature II

(3,0) 3 on demand

The Renaissance to modern times. Readings in translation of significant, primarily Western, texts. Selections can include works by Galileo, Voltaire, Racine, Goethe, Ibsen, Dostoevsky, Brecht, Kafka, Sartre and others. Prerequisite: ENGL110.

HUMN490

Directed Studies in Humanities

(1,0) 1 on demand

To provide students who need one credit of general humanities with an opportunity to read or explore material related to the content of that term. Papers and tutorial session required. Prerequisites: Seven hours of humanities credit; evidence that students are capable of carrying out independent study; approval of department chair or dean.

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INTB375

International Business Law

(3,0) 3

The course provides an introduction to the environment of international business and law. It will focus on the foundations and principles of the international legal environment and international legal systems. The course covers the law on international trade. It allows the student to understand government foreign trade policies, the law concerning international business transactions, importing, exporting, transportation and logistics. This course covers a range of legal issues involved in conducting international business, surveying some of the many issues encountered in intellectual property and licensing, and the taxation of international business transactions.

INTB389

Competing in the Global Market Place

(3,0) 3

This course presents a systematic overview of international business and provides an introduction to important issues, including international trade policy, the global monetary system, and strategies of international business. Additionally, the course will look at management practices of international business, including: organizational structure of multinational organizations, production and logistics, human resource management, and financial management.

INTB420

International Comparative Management

(3,0) 3

This course in international comparative management will examine important trends impacting international business as well as the major and developing players in the international economy. The course will examine the stage on which international management is conducted, which includes political, legal and socio-cultural systems as a backdrop. The course will cover how firms develop and execute their international strategies and how they stay ahead of their competitions, once they do. An important aspect for the success of international companies is HR (Human Resources). The course will explore how firms can build an outstanding international workforce through selecting and motivating employees as well as dealing with a host of related human resource management issues, such as compensation, performance appraisal, training and development and labor relations from an international perspective. Prerequisites: MGMT360 or special permission of instructor.

INTB486

International Marketing

(3,0) 3

The International Marketing course examines the scope, challenge and dynamic environment of international marketing. This course will provide an understanding of the cultural environment of global markets, global opportunities and the development and implementation of global marketing strategies. Challenging decisions must be made in international marketing objectives-strategies-policies, regional & country market selection, products that fit regions-countries, multiple distribution channels, communications to fit each global region, management models & organizations per region-country, knowledge-information-data management, exploration of cultural issues, competition, economies, and customers. Prerequisites: MRKT281 or permission of instructor.

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INTD310

Foreign Study

1-16 graded

Individual extension added based on student's program.

INTD320

Foreign Study

3-16 credit/no credit

Individual extension added based on student's program.

INTD333

The Origins of Human Nature

(4,0) 4

An integrated, interdisciplinary examination of the origins of human nature from the perspective of contemporary evolutionary theory, ethology and biological anthropology. The course examines the origins of - among other phenomena - sexual behavior, marriage and family life, crime, social stratification, leadership,

government, politics, patriotism, nationalism, racism, ethnocentrism, aggression, genocide, war, ideology and morality. Prerequisites: a college biology course or PSYC101, one college course from each of two social science disciplines (anthropology, economics, political science, psychology, sociology), and junior standing.

INTD410

Foreign Study

3-16 3-16

Individual extension added based on student's program. (Graded)

INTD420

Foreign Study

3-16 3-16

Individual extension added based on student's program. 3-16 credit/no credit

INTD490

Senior Directed Study

(3-4,0) 3-4

This course is designed to allow liberal studies majors the opportunity to develop and implement a project/paper using the skills and knowledge from their previous course work. Projects/papers should relate to the student's individual areas of study, and represent a synthesis of their previous learning under the supervision of an appropriate faculty member. Prerequisites: senior status and approval of the appropriate chair(s).

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JAPN105

Intensive Introductory Japanese Language I

(10,2) 10

This course is designed as an intensive introductory study of Japanese. The class meets five hours per week and the laboratory/recitation/practice sessions meet five hours each week. The "New Jordan method" of Japanese language studies for English speakers is used in both class and lab sessions.

JAPN106

Intensive Introductory Japanese Language II

(10,2) 10

This course is designed as a continuation of JAPN105. It will stress uses of written Japanese and a research project in which communication with Japanese in the community will be vital. The "New Jordan Method" will be the basis of the instruction.

JAPN201

Culture and Society of Japan I

(3,0) 3

This is a very broad overview course which examines the social and political development of Japan from prehistoric times to 1300 A.D. It combines written text materials with field work. An emphasis will be placed on the social organization of Japan and its relationships with traditional religious values, economic structures, socialization of children and political institutions.

JAPN202

Culture and Society in Japan II

(3,0) 3

This is an overview of Japanese history which examines the political and social developments of Japan from 1300 A.D. to the present. Special emphasis will be placed on the Shogunate Tradition, the Meiji Restoration and 20th century political, economic and social developments.

JAPN301

Japanese Art and Culture I

(4,0) 4

This course is a broad overview of the development of the painting, sculpturing, architecture and literary traditions of Japan from earliest times to 1300 A.D. Special emphasis will be placed on the historic collections available in Nara and Kyoto. Biweekly field trips to examine and study local sites will be a regular portion of the instruction.

JAPN302

Japanese Art and Culture II: 1300 to Present

(4,0) 4

This course is designed as a study of the development of Japanese art, architecture and literature from the Ashikaga Shogunate to the present. Special attention will be given to the influences from Western civilization and its impact on Japanese culture.

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JOUR211

Newswriting

(3,0) 3

Gathering, processing and writing news and opinions on current matters using professional standards and formats in print and broadcast news and public relations. Prerequisite: COMM280.

JOUR220

Photojournalism

(3,0) 3

Fundamentals of 35mm camera operations with emphasis on creative and professional applications. Weekly assignments and critique. Student required to have a camera with manual controls (shutter speed and aperture setting). Assignments in color negative film (color prints) processed commercially. No prerequisites.

JOUR310

Editing and Production

(3,0) 3

Focuses on news editing, headline writing, newspaper design and layout as well as newsroom management. Prerequisite: JOUR211.

JOUR413

Directed Individual Studies

(2,0) 2

Shine Sundstrom journalism internship at Sault Ste. Marie Evening News: Experience in newsroom and on assignment; writing, rewriting; use of word processor. Prerequisites: Junior status; COMM280 and JOUR211. File application with the chair of the Department of English and Communication by fifth week of previous semester.

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LAWS102

Legal Research and Case Analysis

(3,0) 3

Introduction to the law library and its use. Students will develop research techniques and skills in using encyclopedias, treatises, digests, case reporters, looseleaf services, annotated reports, legal periodicals, legislation, legislative history, administrative materials, shepardization and citation of legal authorities. Students will also develop skills in analyzing, evaluating and synthesizing court opinions and statutory law.

LAWS202

Legal Writing and Analysis

(3,0) 3

Introduction to legal writing styles and skills. Through review and preparation of legal documents, students will become acquainted with basic principles, style, organization and structure of certain legal documents which shall include letter writing, preparation of memorandum of law and an appellate brief. Research skills and analysis of court opinions will be further refined. Prerequisites: LAWS102 and LAWS125.

LAWS490

Independent Study in Legal Studies

(1-4) 1-4

This may take the form of either a research project or a program of directed reading on a specific topic. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. May be repeated up to a total of eight credits.

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LIBR101

Information and Information Technology Literacy

(1,0) 1

Introduces students to information tools and their uses, including reference books, indexes, periodicals, microforms, computer products and the Internet. Students will learn to effectively search information tools so they can more efficiently meet their information needs.

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LING403

Language Acquisition and Foreign Language Teaching

(3,0) 3

Introduction to theories of language and language acquisition as applied to current language teaching methods and classroom practices. This course is a requirement for both the Spanish teaching major and the Spanish teaching minor. The class will be taught in English, but students will use a foreign language of their choice in teaching presentations. Prerequisites: SPAN361 and SPAN362 or FREN351 and FREN352.

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MATH087

Pre-Algebra

(3,0) 3

Basic operations and problem solving using whole numbers, rational numbers (including decimals, ratios and percents) and integers. Solving problems related to measurement and geometry. Credit in this course does not apply toward graduation. Prerequisite: None.

MATH088

Beginning Algebra

(3,0) 3

An introduction to algebra, algebraic expressions and solving of elementary equations and inequalities. Manipulation and graphing of equations in two variables as well as solving systems of equations in two variables. Multiplying, factoring and manipulating polynomial expressions. Credit in this course does not apply toward graduation. Prerequisite: MATH087.

MATH102

Intermediate Algebra

(4,0) 4

Algebra for students who have not had second-level high school algebra or who need a refresher course in that level of algebra. Real numbers and operations, solving and graphing first degree equations and inequalities, solving systems of equations and quadratic equations, algebra of polynomials, radical and rational expressions and equations, exponential and logarithmic functions. Prerequisites: One year of high school algebra and MATH088 or equivalent/satisfactory score on ACT or Placement Exam. This course will not count toward a major or minor in mathematics.

MATH103

Number Systems and Problem Solving for Elementary Teachers

(3,2) 4

General notions of problem solving and number theory for elementary teachers including sets, functions, numeration systems, and properties and operations of whole numbers, integers, fractions and decimals, and proportional reasoning. Prerequisite: Equivalent/satisfactory score on ACT or Placement Exam, or MATH102 with a grade of C (2.00) or better.

MATH104

Geometry and Measurement for Elementary Teachers

(3,2) 4

Basic notions of geometry for elementary teachers including constructions, congruence and similarity, motion geometry, symmetry and tessellations. Concepts of measurement, coordinate geometry, probability and data analysis. Prerequisite: Equivalent/satisfactory score on ACT, or Placement Exam, or MATH102 with a grade of C (2.00) or better.

MATH108

Trigonometry and Vectors for Physics

(1,0) 1

Trigonometric functions, basic identities, inverse trigonometric functions and vectors. Prerequisite: Equivalent/satisfactory score on ACT or Placement Exam or MATH102 with a grade of C or better.

MATH110

Explorations in Mathematics

(3,0) 3

A discovery course in mathematics which explores the varied relationships of mathematics to society and the natural world through application and enrichment. A statistics component is included, and a term project is required. This course satisfies the general education mathematics requirement. It will not count toward a major or minor in mathematics. Prerequisite: MATH088 or equivalent score on ACT or Placement Exam.

MATH111

College Algebra

(3,0) 3

This course is a study of families of functions through formulas, tables, graphs and words, emphasizing applications in business, life and social science. The function families include linear, polynomial, rational, exponential, logarithmic and power functions. Within these families, topics include problem solving, model creation, solving equations, systems of equations and inequalities, rates of change, graphing, analysis, and interpretation. Prerequisites: Two years of high school algebra and satisfactory achievement on the mathematics placement exam or MATH102 with a grade of C or better. High school plane geometry also recommended. This course will not count toward a major or minor in mathematics.

MATH112

Calculus for Business and Life Sciences

(4,0) 4

Limits, differentiation, applications of the derivative, integration, application of the definite integral, techniques of integration. Calculus of exponential and logarithmic functions, elementary differential equations, functions of several variables. Prerequisite: MATH111 with a grade of C or better. This course will not count toward a major or minor in mathematics.

MATH131

College Trigonometry

(3,0) 3

Basic theory of trigonometric functions and inverse trigonometric functions. Applications include trigonometric equations, plane trigonometry, vectors and complex numbers. Introduction to conic sections. Study of exponential functions and their connection to trigonometry functions, logarithmic functions and applications. Prerequisites: (1) Two years of high school algebra and equivalent/satisfactory score on ACT, COMPASS test or Placement Exam, or MATH102 with a grade of C or better. (2) One half-year of high school trigonometry with a grade of C or better is strongly recommended.

MATH151

Calculus I

(4,0) 4

Limits, continuity and inverse functions. Logarithmic and exponential functions. Differentiation and applications of the derivative. L'Hopital's rule. Inverse trigonometric functions. Integration and the definite integral. Prerequisites: high school mathematics that includes two years of algebra, one year of plane geometry and one-half year of trigonometry and equivalent/satisfactory score on ACT or Placement Exam, or MATH140 with a grade of C or better, or both MATH111 and 131 with a grade of C or better.

MATH152

Calculus II

(4,0) 4

Applications of the definite integral. Techniques of integration and improper integrals. Infinite series. Conic sections, polar coordinates and parametric equations. Prerequisite: MATH151 with a grade of C or better.

MATH207

Principles of Statistical Methods

(3,0) 3

Descriptive statistics, probability distributions (including normal, binomial and chi-square), techniques of statistical inference including tests of hypotheses and selected nonparametric tests. (This course is a survey of elementary statistical concepts.) Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam. This course will not count toward a major or minor in mathematics.

MATH215

Fundamental Concepts of Mathematics

(3,0) 3

Elements of set theory, set algebra, cardinality, logic, mathematical induction, methods of proof, functions, relations, equivalence relations. Prerequisite: MATH151 or 112 with a grade of C or better.

MATH216

Discrete Mathematics and Problem Solving

(3,0) 3

Selected topics from discrete mathematics including fundamental counting principles, recurrence relations and an introduction to graph theory. A strong emphasis is placed on fundamental problem-solving techniques. Prerequisite: MATH215 with a grade of C or better.

MATH251

Calculus III

(4,0) 4

Three-dimensional space, vectors, vector-valued functions, partial differentiation, multiple integration, topics in vector calculus. Prerequisite: MATH152 with a grade of C or better.

MATH261

Introduction to Numerical Methods

(3,0) 3 alternate years

Floating point representation of numbers and floating point arithmetic. Survey of numerical methods for solving a wide variety of common mathematical problems, including solution of a single non-linear equation, solution of a system of linear equations, matrix inversion, numerical integration, function approximation, interpolation. Emphasis will be on the actual computer implementation of common algorithms for solving these problems. Prerequisites: CSCI105 or 121 with a grade of C or better and MATH152 with a grade of C or better.

MATH290

Independent Study in Mathematics

(1-4,0) 1-4

Special studies and/or research in mathematics for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the department head. This course may be repeated for a maximum of eight credits. Prerequisites: Sophomore standing or higher and permission of instructor.

MATH305

Linear Algebra

(3,0) 3 alternate years

An introduction to matrix algebra, vector spaces and linear transformation, including applications to the natural and social sciences. Prerequisites: MATH112 or MATH151 with a grade of C or better.

MATH308

Probability and Mathematical Statistics

(3,0) 3

An introductory course in probability and mathematical statistics. Probability,

probability distributions, mathematical expectation, moment generating functions and the Central Limit Theorem. Prerequisite: MATH152 with a grade of C or better.

MATH309

Applied Statistics

(4,0) 4 alternate years

A continuation of MATH308 including estimation of parameters, testing hypotheses, nonparametric methods, analysis of variance, multiple regression and an introduction to statistical software packages. Prerequisite: MATH308 with a grade of C or better.

MATH310

Differential Equations

(3,0) 3

Differential equations of first order, linear differential equations of second and higher orders, including Laplace transformation. Introduction to power series methods, applications. Prerequisite: MATH152 with a grade of C or better.

MATH321

History of Mathematics

(3,0) 3

Selected topics in the development of mathematics from the time of the ancient Babylonians and Egyptians to the 20th century. Prerequisites: MATH112 or 151 with a grade of C or better, and MATH215 with a grade of C or better.

MATH325

College Geometry

(2,2) 3 alternate years

Selected topics in geometry, including some or all of the following: Modern elementary geometry, transformations, Euclidean constructions, dissection theory, projective geometry, introduction to non-Euclidean geometry, and problems in foundations of geometry. Prerequisites: MATH152 and 215 with a grade of C or better.

MATH341

Abstract Algebra I

(3,0) 3 alternate years

An introduction to congruencies, groups, subgroups, quotient groups, fundamental homomorphism theorems, Sylow theorems. Prerequisite: MATH215 with a grade of C or better.

MATH342

Abstract Algebra II

(3,0) 3 on demand

A continuation of MATH341 including rings, integral domains, ideals, quotient rings, the natural homomorphism, fields and polynomial rings. Prerequisite: MATH341.

MATH351

Graph Theory

(3,0) 3 alternate years

Selected topics in graph theory, including connectivity, matchings, edge and vertex colorings, networks and tournaments. Prerequisite: MATH216 with a grade of C or better.

MATH401

Mathematical Modeling

(3,0) 3 alternate years

Selected applications of mathematics in such areas as biology, economics, social science and engineering are discussed. The construction of a mathematical model used to study a real situation will be stressed, as well as interpretation of mathematical results in that context. Prerequisites: junior/senior standing, a course in computer programming, and mathematical maturity at the level of MATH305, 308 or 310 with a minimum grade of C.

MATH411

Advanced Topics in Calculus

(3,0) 3 alternate years

An extension of the calculus in one, two, and three dimensions leading to the formulation and solution (in simple cases) of the partial differential equations of mathematical physics. Differential and integral calculus of vectors, divergence, curl, line, surface and volume integrals, Green's divergence and Stokes' theorems, heat and wave equations, Fourier series, orthogonal sets, boundary value problems, separation of variables. Prerequisite: MATH251 and 310 with a grade of C or better.

MATH413

Introduction to Complex Analysis

(3,0) 3 on demand

The calculus of functions of a complex variable, algebra and geometry of complex numbers, elementary functions, limits, derivatives, Cauchy-Rieman equations, integrals, Cauchy integral theorem, series, singularities, residue theorem. Prerequisite: MATH251.

MATH421

Real Analysis

(3,0) 3 on demand

An examination of some of the foundations of the calculus, including basic topology of the real line, limits, continuity, metric spaces, function spaces, some uniformity concepts. Prerequisites: MATH215 and 251 with a minimum grade of C.

MATH490

Individualized Research Topics in Mathematics

(1-4,0) 1-4

Special studies and/or research in mathematics for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the department head. This course may be repeated for a maximum of nine credits. Prerequisite: Junior standing or higher and Permission of Instructor.

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MGMT280

Introduction to Management Information Systems

(3,0) 3

This course will introduce students to MIS theories including (1) Information Systems in Business and Society (information management in global society; security, privacy and ethical issues); (2) Information Technology Concepts (hardware technology, software technology, database management systems, network and internet technology); (3) Business Information Systems (automation and support systems, transaction processing systems, management information systems, decision support and expert systems, enterprise systems such as ERP); (4) Systems Development (systems investigation and analysis, systems planning development and implementation). Students will gain hands-on computer skills in advanced spreadsheet, database, and web technologies. Prerequisites: BUSN121 and ACTG132 with a grade of C or higher.

MGMT360

Management Concepts and Applications

(3,0) 3

Principles and techniques applicable to the functions of management: Planning, organizing, directing (staffing and leading) and controlling; development of management thought and decision-making; current issues and future concerns in management. Foundation course for study and understanding of management theory and practice. Prerequisite: Junior standing.

MGMT365

Human Resource Management

(3,0) 3

An examination of current practices and recommended techniques by which management procures, develops, utilizes and maintains an effective work force. The major areas studied are: recruitment and selection, equal employment opportunity and affirmative action programs, training and development, career planning and performance appraisal, compensation and benefits, safety and health issues, employee and labor relations, including grievance handling, contract negotiation and remaining union-free as an organization. Prerequisite: Junior standing.

MGMT371

Operations and Business Analytics

(3,0) 3

This course introduces students to (1) Operations Management (operations strategy, operations design, operations planning & control, operations execution), (2) Supply Chain Management, and (3) Quantitative Business Analysis (linear programming, project scheduling including PERT and CPM, inventory modeling, statistical process control, queuing theory, simulation, decision analysis, time-series forecasting, advanced statistical analysis). Prerequisite: BUSN211 or equivalent.

MGMT375

Introduction to Supply Chain Management

(3,0) 3

This course provides an overview of the supply chain function for an organization. The supply chain for any company is described as the continuous sequence of

events and operations that add value to the firm. Topics will include purchasing and procurement, inbound and outbound logistics and transportation, operations and manufacturing planning and control, forecasting, quality control, enterprise resource planning and overall information system design for the firm. Prerequisite: BUSN211 or statistics equivalent.

MGMT380

Principles of Leadership

(3,0) 3

This course provides the student with an understanding of the principles and behaviors situationally appropriate to inspire and influence others. Whether people work individually, in small teams, task forces, or other units at all organizational levels; effective leadership sustains profitability, productivity, and excellent service. Studying research findings, leadership practices, and skills helps the student understand how this knowledge can be applied to effectively lead others. Prerequisite: MGMT360.

MGMT451

Labor Law

(4,0) 4

An analysis of labor laws pertaining to union-management relations; emphasis on the private sector as well as on laws relating to health care institutions; legal aspects of relationships between unions and their members; federal wage and hour laws, including administration of the statutes and their relationship; applicable remedies for violations of federal labor laws. Prerequisite: Junior standing.

MGMT464

Organizational Behavior

(3,0) 3

An analysis of problems and cases relating to management and organizational behavior typically requiring decisions by an administrator. Topics include leadership, motivation, communication, negotiation, problem solving, decision making, conflict resolution, group dynamics, stress management, job design and organization structure. Prerequisite: MGMT360.

MGMT469

Collective Bargaining

(3,0) 3

An analysis of the process of collective bargaining, the major subjects of negotiation, including arbitration of grievances; process of dispute settlements; and influence of larger environment. The discussion includes theories of bargaining, strategies and weapons available to both parties. Also examines collective employee-employer relationships in the public sector and tactics of public employee groups and agencies. Prerequisite: Junior standing.

MGMT471

Production/Operations Management

(3,0) 3

An introduction to the design and analysis of operational systems in manufacturing and service industries. Topics include manufacturing strategy, planning and control, forecasting, just in time systems, inventory models, product/process design,

scheduling and simulation. Some mathematical models will be used. Emphasis will be on the role of operations within an organization and the formulation and solution of operational problems. Prerequisites: BUSN211 and MGMT360 or equivalents.

MGMT476

Employee Training and Development

(4,0) 4

This course provides the student with an understanding of how to prepare and deliver effective employee training. The course is in five parts: training and development needs analysis, program design, development, delivery, and evaluation. The principles and concepts learned are applied by preparing, delivering, and evaluating a three-hour training program. Prerequisite: Senior standing.

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MRKT281

Marketing Principles and Strategy

(3,0) 3

A study of the marketing principles, variables, institutions, target markets, marketing mix and the development of marketing strategy. Prerequisite: ENGL110.

MRKT283

Principles of Selling

(3,0) 3

The study of personal selling and its requirements. Topics included are buyer behavior, sales presentations from prospecting to closing the sale, and overcoming objections. Sales interviews by students are an integral part of the course.

MRKT379

Sports and Events Marketing

(3,0) 3

A study of the theories, concepts, impacts, and contemporary issues unique to sports and events marketing, including the marketing athletes, teams, leagues, celebrities, entertainment, and special events. Prerequisite: MRKT281 or special permission of instructor.

MRKT381

Consumer Behavior

(3,0) 3

A study of behavioral concepts related to consumer behavior. Attention is directed toward understanding consumer needs, perceptions, attitudes, intentions and behavior within a strategic and managerial framework. Topics include the differences of complex decision making and habit and between high and low involvement decision making. Emphasis is on predicting and understanding purchase behavior for best firm/consumer needs' match. Prerequisite: MRKT281.

MRKT383

E-Marketing

(3,0) 3

A study of the impact the Internet and other digital technologies have on the marketing of goods, services and ideas. The course will examine current e-marketing environment, strategy and management issues including consumer behavior, segmentation and targeting, differentiation and positioning, product, price, distribution, communication and customer relationship management. Ethical and legal issues will also be addressed. Prerequisite: MRKT281.

MRKT385

Services Marketing

(3,0) 3

A study of the principles and practices unique to service providers. The focus of this course is to examine how the marketing of services differs from traditional marketing principles/concepts applied to goods and the alternative strategies for service providers to improve service marketing effectiveness and customer interactions. Prerequisite: MRKT281.

MRKT387

Advertising Theory and Practice

(3,0) 3

A study of the principles and practices in various advertising media such as newspaper, radio, television, outdoor and direct mail; consideration of creative methods, consumer behavior, measurement of effectiveness and coordination with other aspects of the promotional program. Prerequisite: MRKT281.

MRKT388

Retail Management

(3,0) 3

A study of the field of retailing. A survey of retail institutions; store location and organization; buying and merchandising techniques; retail advertising, sales promotion and image; human resource policies; and store protection. Prerequisite: MRKT281.

MRKT389

Entrepreneurship

(3,0) 3

A study of individual small firms: start-up, on-going management, challenges, and requirements for success. Students will apply both strategic planning and the knowledge acquired from other business courses to (a) demonstrate understanding and competence in using S.A.P. in small business decision-making and operations, (b) develop a viable business plan for a new small business, and (c) utilize problem-solving for other local small businesses, where required, in an advisory capacity. Prerequisites: ACTG132 or 230, BUSN121 and MRKT281.

MRKT480

Marketing Research

(3,0) 3

Application of research methods to the field of marketing. Methods of gathering and presenting data, market analysis, consumer surveys and sales forecasting. Students will participate in a research project. Prerequisites: BUSN211, MRKT281 and 381.

MRKT481
Marketing Management
(3,0) 3

A study of the essential tasks of marketing managers: (1) identifying marketing opportunities, (2) developing marketing plans, and (3) implementing these plans by introducing marketing strategies. Prerequisites: MRKT281, 381, 480, and senior status.

MRKT483
Sales Force Management
(3,0) 3

Principles and policies of sales organization; career opportunities; recruiting, selecting and training sales people; motivation, supervision and evaluation of sales performance; compensation plans, quotes and expense accounts. Prerequisites: MRKT281 and 283.

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MUSC112
Band
(0,3) 1

Open to all University students. The concert band performs representative band and wind ensemble literature and provides a challenging musical experience.

MUSC113
Band
(0,3) 1

Open to all University students. The concert band performs representative band and wind ensemble literature and provides a challenging musical experience.

MUSC120
Introduction to Music I
(3,0) 3

An introduction to the basic vocabulary of music and to basic musicianship skills. Topics include notation, meter, rhythm, intervals, scales, chords, etc. No prerequisite.

MUSC121
Introduction to Music II
(3,0) 3

The course expands upon the musical vocabulary and skills developed in MUSC120. Topics include C-clefs, seventh chord, non-harmonic tones, cadences, etc. Prerequisite: MUSC120.

MUSC140
Choir
(0,3) 1

Rehearsal and performance of representative literature for mixed choir in both classical and contemporary styles of choral music. May be repeated for a total of eight credits.

MUSC170

Class Piano I

(0,2) 1

Beginning piano techniques. Music reading ability helpful but not required.

MUSC171

Class Piano II

(0,2) 1

To improve proficiency and techniques gained in MUSC170. Prerequisite: MUSC170.

MUSC180

Class Guitar I

(0,2) 1

Introduction to guitar playing including knowledge of musical rudiments, left and right hand techniques and ensemble performance.

MUSC181

Class Guitar II

(0,2) 1

Course emphasizes increasing technical achievement, musicianship and the development of individual musicality.

MUSC210

Applied Music I

(0,3) 1

Individual applied music instruction. For skilled musicians with admission at the discretion of the instructor. May be repeated to a maximum of eight credits per instrument or for voice.

MUSC220

History and Appreciation of Music I

(4,0) 4

A survey of music from the Middle Ages to the early 19th century with emphasis on the music of Bach, Handel, Haydn, Mozart and Beethoven. Counts as humanities credit for general education requirements.

MUSC221

History and Appreciation of Music II

(4,0) 4

A survey of music of the 19th and 20th centuries. Counts as humanities credit for general education requirements.

MUSC235

Music for Elementary Teachers

(3,0) 3

This course is designed to provide an understanding of the philosophy, theories and contemporary issues in music education in the kindergarten through sixth grade classrooms. The student will develop a practical knowledge of music skills and instructional techniques when planning a music curriculum for the elementary classroom.

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NSCI 101

Conceptual Physics

(3,2) 4

A survey of basic physical science principles emphasizing their applications in daily life. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

NSCI 102

Introduction to Geology

(3,2) 4

A survey course to acquaint students with the major concepts and phenomena inherent in a study of geology. It will also provide sufficient background for a better understanding of human relationships to the physical environment. Credit can be earned for only one of NSCI102, GEOL115 and 121. Prerequisite: None.

NSCI 103

Environmental Science

(3,0) 3

An introduction to environmental concepts and a brief survey of environmental issues facing society. Emphasis is placed on solutions and the responsibility of the individual towards these solutions.

NSCI 104

Environmental Science Laboratory

(0,2) 1

Laboratory component of environmental science. Corequisite: NSCI103.

NSCI 105

Physical Geography: Earth, Sun and Weather

(3,1) 3

Study of the physical properties of the earth's surface as they relate to weather and climate. Credit for both GEOG108 and NSCI105 not permitted.

NSCI 107

Physical Geography: Landforms and Soils

(3,1) 3

Study of the physical properties of the earth's surface as they relate to landforms and soils. Credit for both GEOG106 and NSCI107 not permitted.

NSCI 110

Investigations in Chemistry and Forensics

(3,2) 4

An applied introductory chemistry course introduces the world of forensics focusing on the aspects of chemistry used during an investigation. This unique general education class will incorporate a criminal justice and fire science perspective while providing an introduction to chemical principles. Attention will be given to developing critical thinking skills, understanding the scientific process and to making scientifically informed decisions about every day events. Pre- or co-requisite of MATH102 (or higher) or equivalent/satisfactory score on ACT, SAT or Placement Exam.

NSCI 116

Introduction to Oceanography

(3,2) 4

A survey of the features, processes and evolution of Earth's ocean basins. The course will examine geological, physical, chemical and ecological aspects of oceanography with an emphasis on their interrelationships and their impact on humanity.

NSCI 119

Descriptive Astronomy

(3,2) 4

Introductory course with a balanced, comprehensive account of contemporary astronomy with emphasis placed on the broad principles of astronomy rather than on a chronological or historical framework. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

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NURS211

Introduction to Professional Nursing

(3,0) 3

This course introduces the student to a theoretical foundation for professional nursing practice. It focuses on nursing's historical origin, and its development throughout the years to present. Concepts discussed include nursing and related theories, the nursing process, legal/ethical issues and other topics relevant to the practice of professional nursing. Prerequisite: permission of dean or instructor only.

NURS212

Health Appraisal

(2,6) 4

This course serves as an introduction to the nursing assessment and analysis component of the nursing process as a method of determining a well individual's health potential and status across the lifespan. Emphasis is on obtaining and documenting a health history, performing a nursing assessment and beginning to

formulate a nursing diagnosis. Prerequisite: permission of dean or instructor only.

NURS213

Fundamentals of Nursing

(3,9) 6

This course provides a theoretical and clinical foundation upon which science is applied to clients experiencing common health stressors. Emphasis is placed upon collecting relevant data, formulating nursing diagnosis based on the data, implementation of both appropriate nursing interventions and related psychomotor nursing skills. Responsibilities as a health team member who displays caring behaviors and as a self-directed learner are also considered. Prerequisites: NURS211, 212, and HLTH208. Pre- or corequisites: HLTH232, 209 and BIOL223.

NURS290

Directed Study in Nursing

(1-2,0) 1-2

Special study of nursing topic tailored to student interest and need. Prerequisite: minimal sophomore status. May be repeated for maximum of four credits.

NURS325

Nursing of Childbearing Families

(3,6) 5

Theoretical and clinical foundation for application of the nursing process in caring for childbearing families. Focus on: norms and complications of the childbirth experience with application of strategies to promote health and prevent complications related to pregnancy and childbirth. Prerequisite: NURS327. Corequisite: NURS326. Pre-or Corequisite: NURS/HLTH328.

NURS326

Nursing of Children and Families

(3,6) 5

Theoretical and clinical foundation for application of nursing process in caring for children and their families. Emphasis: health promotion, maintenance and restoration with application of principles and concepts related to growth and development, family theory, environmental influences on health and the nursing process. Prerequisite: NURS327; Corequisite: NURS325. Pre- or Corequisite: NURS/HLTH328.

NURS327

Adult Nursing I

(4,12) 8

Combined class and clinical experiences that apply the concepts of nursing and related theories to the care of the adult client with common health alterations in each of the basic human need areas. Nursing clinical experiences are in primary, secondary, and tertiary care settings for adult clients. Prerequisites: NURS213 (or NURS222), HLTH209 and BIOL223.

NURS328

Multicultural Approaches to Health Care

(3,0) 3

This course explores values, beliefs and practices related to health behaviors in a variety of culturally diverse groups. Methods for fostering culturally sensitive care are explored. Content includes communication, biological and nutritional considerations, assessment techniques and alternative/complementary health practices. Prerequisite: SOCY101. Also listed as HLTH328.

NURS352

Health Issues of Aging Populations

(3,0) 3

This course is designed to assist students from a variety of disciplines to gain a greater understanding of health-related issues that are associated with advancing age. In addition to exploring physiological and psychological changes experienced by our elderly clients, students will learn how they can adapt their work strategies to work more effectively for the elderly clients that they serve. Prerequisites: PSYC155 and junior level status. Also listed as HLTH352.

NURS360

Professional Nursing Concepts

(4,0) 4

This four-credit course is the transitional course into professional nursing for the practicing registered nurse. Course emphasis: concepts of professional nursing, nursing and other related theories, health promotion, using research in nursing practice, impact of technology on profession, and economics related to nursing care. Includes: the history of nursing, ethics, culture, and critical thinking are interwoven in the exploration of concepts. Prerequisite: Permission of dean or instructor only. For Post Licensure majors (RN-BSN) only.

NURS363

Comprehensive Health Appraisal

(2,3) 3

Application of theories from nursing and related fields to appraise health of the individual throughout the lifespan. Emphasis is on comprehensive history taking, physical assessment skills and assessment of findings. For Post Licensure majors (RN-BSN) only. Pre- or corequisite: NURS360.

NURS365

Family Nursing Theory

(3,0) 3

Theoretical concepts of family development, structure and dynamics are presented. Factors influencing family health care are examined. Strategies are developed to enhance healthy family functioning. For Post Licensure majors (RN-BSN) only. Pre- or corequisites: SOCY101 and NURS360.

NURS431

Adult Nursing II

(4,12) 8

This is a theory and clinical laboratory course focusing on application of the nursing process in care of the adult client with multiple health stressors. Basic human needs theory and concepts of stress/adaptation, health promotion, health maintenance, health restoration and teaching-learning are applied. The student collaborates with the health team and applies theory and principles of leadership and management in

providing care in secondary and tertiary care settings. Prerequisites: HLTH328, NURS325, NURS327, NURS326. Corequisite: NURS435.

NURS432

Nursing of Populations

(3,6) 5

This is a theory and clinical course applying the nursing process to populations. Content includes application of public health nursing principles, levels of prevention, epidemiology and health education. Expands the role of the nurse as a teacher, collaborator and advocate. Examines the effect of health care delivery trends and issues on the health of populations. Prerequisites: For Pre-licensure BSN Majors: HLTH328, NURS325, NURS327, NURS326. Post-licensure Majors (RN-BSN): NURS363 and NURS365.

NURS433

Community Mental Health Nursing

(3,6) 5

Theoretical and clinical foundation in mental health nursing. Emphasis is on the use of the therapeutic relationship and communication skills to help clients cope with stressors of life experiences. Nursing, human needs theory, stress adaptation theory are used to help the client achieve optimum level of mental health. Clinical experiences are provided in both the community and in the acute care settings. Prerequisites: HLTH328, NURS325, NURS326, NURS327.

NURS434

Nursing Research

(3,0) 3

This course develops appraisal skills of nursing and related research. It will enable students to think critically and ethically about providing the best possible care to clients based on evidence. Assignments and class discussion emphasize application of current research to a variety of dimensions including human beings, health, nursing and environment. Prerequisites: HLTH328, NURS325, NURS327, NURS326, MATH207 or PSYC210.

NURS435

Management in Nursing

(4,0) 4

Analysis of the leadership and management roles in professional nursing; focus is leadership/management theories basic to the planning, organizing, directing and controlling or nursing services in health care settings. Includes concepts of nursing model integration in management, communications, decision making and conflict resolution, resource management, legal and ethical responsibilities, employee relations, health care system design, systems appraisal, and case management. Students will formulate a personal nursing management/leadership philosophy. For Pre-licensure BSN Majors: HLTH328, NURS325, NURS327, NURS326, Corequisite NURS431.

NURS436

Contemporary Issues in Nursing

(2,0) 2

Course analyzes contemporary and future issues involving the professional nurse.

The course further explores role socialization from nursing student to BSN-prepared nurse. Course reviews the legal responsibilities and professional regulation of nursing practice. Selected social, ethical, political, economic and legal issues will be examined. Prerequisite: For Pre-licensure BSN Majors: HLTH328, NURS325, NURS327, NURS326. For Post-licensure Majors (RN-BSN): NURS360.

NURS437

Professional Nursing Leadership

(1,3) 2

This is a seminar and clinical course where the student is expected to synthesize the roles of professional nursing in a variety of settings. Collaborative and leadership aspects of professional nursing are emphasized by the students planning their experience with the faculty member and preceptor. Integration of ethics, research, change, caring, advocacy, and approaches to ensure quality care in nursing practice are expected. For Post Licensure majors (RN-BSN) only. Prerequisites: NURS432, 434, 435.

NURS490

Independent Study

(1-4,0) 1-4

Individual investigation of topics tailored to student interest and need. Prerequisites: Junior or senior standing and instructor permission.

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OFFC112

Keyboard Skillbuilding

(0,2) 1

Improvement of keyboarding speed and accuracy (both alphabetic and numeric), using developmental programs and keyboarding drills. May be repeated once.

OFFC119

Computerized Accounting Procedures

(4,0) 4

Accounting experiences common to small business or professional offices; development of basic principles underlying accounting procedures; techniques and records used in analyzing, classifying, recording and summarizing transactions; accounting procedures applied to a computer simulation for small businesses. May not be taken for credit following successful completion of ACTG132.

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PHIL204

Introduction to Philosophy

(3,0) 3

A study of selected philosophical problems and of methods and ways to answer them. Prerequisite: ENGL111.

PHIL205

Logic

(3,0) 3

An introductory course in logic; study of the role of logical methods of the rational approach to knowledge; consideration of such concepts as definition, implication, inference, syllogism, deduction. Prerequisite: ENGL111.

PHIL210

Existentialism

(3,0) 3

Survey of existentialist literature from a variety of authors, periods and genres: Dostoevsky, Kierkegaard, Nietzsche, Heidegger, Jaspers, Sartre, Camus, de Beauvoir, Rilke, and others. Texts include philosophical prose, biblical exegesis, fiction, drama and poetry, containing many of the definitive expressions of such current literary, philosophical and artistic themes as the varieties and sources of alienation, the creation and definition of the self, the nature and rationality of religious faith, moral responses to insoluble dilemmas, and potential individual responses to an absurd and inhuman world. Prerequisite: ENGL111.

PHIL215

Ethical Theory and Practice

(3,0) 3

Certain actions seem to be demanded by morality and certain actions seem to be prohibited by morality. In addition, there are many actions in which we have difficulty extending praise or blame. The study of Ethical Theory constitutes the study of philosophers' evaluations of behavior, character, and even the term of such evaluation (e.g., 'goodness,' 'value,' 'right,' and 'obligation'). this course will examine the ethical theories of philosophers such as Plato, Aristotle, Kant, Bentham, and Mill as well as contemporary applications of ethical theories. Topics such as terrorism, ethics in the professions, the environment, and religiously motivated behavior are timely and appropriate topics for evaluating the connections between moral reasoning and our modes of living. Prerequisite: ENGL111.

PHIL220

Biomedical Ethics

(3,0) 3

Survey of contemporary issues in medical and research ethics. Topics could include abortion, euthanasia, genetic testing, reproductive technologies, doctor-patient relationships, conflicting imperatives on confidentiality and disclosure, social consequences of drug development and widespread use, concepts of health and disease, gender and medical practice, the distribution of medical resources, and the medicalization of various forms of social deviance. Prerequisite: ENGL111.

PHIL250

Philosophy of Religion

(3,0) 3

This course examines the rational foundations for believing in and worshipping a Deity. In particular we will focus our inquiry on the God of Judaism, Christianity, and Islam who is thought to possess the qualities of omniscience, omnipotence, and beneficence. (We will, however, exposit the deities Hinduism and Buddhism to put our study in context.) Can we prove that God exists? What might we owe God? How

can we explain the existence of evil even though God is thought to be wholly good? What place does religion have in a pluralistic society? The history of Western Philosophy is in large part unified by the common pursuit of such questions. Not only are the questions themselves fascinating and perplexing, but also, they have been answered in inventive ways by many extraordinary thinkers. The Philosophy of Religion is, therefore, a continuing search that has as much to do with human ingenuity as it does about God. Prerequisite: ENGL111.

PHIL302

Ancient Western Philosophy

(3,0) 3

A study of the origins and the development of Greek and Roman philosophy from the pre-Socratics to the early Christians. Counts as humanities credit for general education requirement. Prerequisite: ENGL111.

PHIL305

Modern and Contemporary Philosophy

(3,0) 3

Students will become familiar with the arguments and ideas that have sought to describe and, in many cases, to shape the consciousness of the modern and postmodern epochs. From Descartes to Kant, modern philosophy experimented with new ways to understand existence, identity, causality, and God. From Russell to Williams, contemporary philosophers grappled with new ways to understand logic, ethics, gender, and subjective experience. Students will learn to make connections between their own ways of experiencing the world and the sometimes subtle ways that philosophers since Descartes have influenced their understanding of their experiences. Prerequisite: ENGL111.

PHIL490

Directed Study in Philosophy

(1-4) 1-4

A study of philosophically engaging topic, chosen by instructor and student. Essays and tutorial session required. Prerequisites: At least six credits of philosophy courses, evidence that the student is capable of carrying out independent study, and approval of instructor. This course may be repeated for up to six credits, or three times, whichever occurs first.

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PHYS221

Principles of Physics I

(3,2) 4

General principles of rigid body mechanics (kinematics, forces, laws of motion, energy, momentum, rotation) and fluid mechanics. Prerequisites: Two years of high school algebra and one-half year of high school trigonometry with a math ACT score of 27 or better; or MATH108 and 111; or 140.

PHYS222

Principles of Physics II

(3,2) 4

Thermodynamics, vibrations and waves, electricity and magnetism, light, optics, relativity and modern physics. Prerequisite: PHYS221 with a grade of C or better.

PHYS224

Topics in Physics for Electrical Technology

(3,2) 4

Vibrations and waves, optics, relativity and modern physics (identical to PHYS222). Electricity and magnetism topics of particular relevance to electronic engineering technology. Prerequisites: PHYS221 with a grade of C or better, sophomore standing in EET course work, and MATH140 (which may be taken concurrently).

PHYS231

Applied Physics for Engineers and Scientists I

(3,2) 4

An introductory course in rigid body mechanics and fluid mechanics using calculus with emphasis on practical applications. Intended primarily for students of engineering, physical science and mathematics. Prerequisite: MATH151.

PHYS232

Applied Physics for Engineers and Scientists II

(3,2) 4

Continuation of PHYS231. Introduction to thermal physics, electricity, magnetism, electromagnetic waves, and optics. Prerequisite: PHYS231 with a grade of C or better.

PHYS290

Independent Study in Physics

(1-4,0) 1-4

Special studies and/or research in physics for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the school chair. This course may be repeated for a maximum of eight credits. Prerequisites: Sophomore standing or higher and permission of instructor.

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PNUR101

Introduction to Practical Nursing I

(2,0) 2

This course provides introductory information required for successful college study. Additionally, the course provides the foundational information for the practical nursing program. Concepts include practical nursing philosophy and conceptual framework, history of nursing, nursing's Code of Ethics, and the role of nursing in the health care system with emphasis on the practical nurse. Prerequisite: Permission of dean or instructor only.

PNUR102

Drugs and Dosages

(2,3) 3

This course introduces the practical nursing student to dosage calculations and medication administration. Calculations for conversion between systems of measurement is covered. The seven rights of medication administration are emphasized. Categories of drugs, their actions, side effects and nursing implications are covered. Prerequisite: MATH086 or equivalent placement score. Admission to Practical Nursing program required or permission of instructor.

PNUR104

Introduction to Practical Nursing II

(2,0) 2

Introduction to Practical Nursing II provides a theoretical foundation for practicing nursing care of adults within a variety of health care settings. Concepts such as nursing process, therapeutic communication, culture, and critical thinking are emphasized. This course builds on PNUR101. Prerequisites: Permission of dean or instructor only, BIOL105 or BIOL122, PNUR101 all with a grade of C or better.

PNUR107

Understanding Clinical Nutrition Lab for Practical Nurses

(0,3) 1

This lab course is focused on the knowledge and skill practical nurses need to support the nutritional needs of people across the lifespan with a special emphasis on individuals with limited ability to meet their own nutritional needs. Strategies of providing nutrition associated with self care deficits are covered, including effective oral feeding techniques, use of thickeners or texture to enhance swallowing, tube feeding, and the principles of enteral feeding, elemental diets, IV therapy and hyperalimentation are presented. Prerequisites: BIOL105 or BIOL122 passed with a C or better; HLTH208 passed with a C or better or corequisite of HLTH208.

PNUR113

Fundamentals of Practical Nursing

(4,9) 7

Students will learn the basic skills necessary to provide safe, competent care of the acute and chronically ill residents in Long Term Care/Nursing Home settings. Focus will be on the care of the elderly. Through lecture, lab simulations, and actual clinical experiences the student will learn basic nursing skills; infection control; safety/emergency procedures; nursing interventions and apply communication/interpersonal skills to promote resident's independence; to respect residents' rights; and to recognize abnormal changes in the resident. Prerequisites: MATH086 or equivalent, BIOL105 or BIOL122, and PNUR101, all with a grade of C or better.

PNUR201

Medical Surgical Practical Nursing

(6,12) 10

This course focuses on nursing care of the adult client experiencing common stressors affecting health. Emphasis is placed on the administration of medications, collection and communication of relevant data, and implementation of basic nursing interventions. Prerequisites: PNUR113, 104, 102 and PSYC155, all with a grade of C or better. Corequisite: HLTH208.

PNUR202

Legal/Ethical Issues in Practical Nursing

(2,0) 2

This course focuses on the ethical and legal responsibilities and issues related to the safe practice of practical nursing. The role of the practical nurse and within the health care community is emphasized. Licensure responsibilities, career advancement and lifelong learning needs are incorporated. Prerequisite: PNUR201 with a grade of C or better.

PNUR205

Maternal/Child Practical Nursing

(3,6) 5

This course explores the family as the client beginning with the reproductive cycle, conception, fetal development, labor, birth and the care of the postpartum woman and newborn. At risk pregnancies and complications are identified. The course continues to address normal growth and development, immunizations, health risk factors, well-defined health problems common to children and their response to illness. Prerequisite: PNUR107, PNUR201, HLTH208, all with a grade of C or better.

PNUR206

Ambulatory Care Practical Nursing

(3,6) 5

The efficiency of a health care agency, and the quality of health care provided, depends in large part on the staff members who supplement and support the role of the provider for provision of quality patient care services. This course stresses strong interprofessional communication skills, organizational abilities, computer knowledge, and excellent human relationship skills in the ambulatory setting across the lifespan. Prerequisite: PNUR107, PNUR201, HLTH208, all with a C or better.

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POLI 110

Introduction to American Government and Politics

(4,0) 4

An introductory survey of American national government and politics.

POLI 120

Introduction to Legal Processes

(3,0) 3

An introduction to the nature and characteristics of law as it operates in the United States: structure and function of the judiciary, process of litigation, influences on law, and impact and enforcement of judicial decisions.

POLI 130

Introduction to State and Local Government

(4,0) 4

A study of the politics and organization of state and local governments, with an emphasis on specific policy issues such as education, criminal justice and economic development.

POLI 160

Introduction to Canadian Government and Politics

(3,0) 3

An introductory survey of Canadian government and politics.

POLI 201

Introduction to Public Administration

(3,0) 3

This course provides an overview of the field of public administration. It examines the types of organizations, the relation of administration to politics and public management.

POLI 211

Political Science Research and Statistics

(4,0) 4

An introduction to research methods and statistical applications in political science and public administration. Among other research methods, the course examines survey research, content analysis, experimental design and analysis of existing data. Introduces students to the basics of descriptive and inferential statistics, up through correlation and regression. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

POLI 222

Introduction to the Legal Profession

(3,0) 3

Students will become familiar with how the law functions, how the legal profession has evolved, how to prepare for and apply to law school, how law schools differ from college (including development of various methods and techniques to study the law). In addition, students will become aware of the legal profession and its demands, opportunities, options and trends. Prerequisites: POLI110, sophomore standing and/or permission of instructor. Also listed as LAWS222.

POLI 234

Women and Politics Around the World

(4,0) 4

This course will examine a broad range of issues involving gender and politics: the political participation of women, the history of women's movements, voting differences, political divisions among women, and the present political status of women in the United States and globally.

POLI 241

Introduction to International Relations

(4,0) 4

An introductory study of the factors that influence the conduct of international relations and of the various methods by which those relations are conducted. This material will then be applied to an examination of some appropriate current international controversies.

POLI 247

Model United Nations

(2,0) 2

This course includes required participation in the model United Nations program, in which students represent specific countries and become familiar with their background and politics. The goal is an understanding of how the United Nations functions. May be repeated for up to a total of four credits, but no more than two credits may be counted toward a political science major or minor. Prerequisite: Permission of instructor.

POLI 290

Research Topics in Political Science

(1-4,0) 1-4

This may take the form of either a research project or a program of directed reading on a specific topic. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. Prerequisite: Permission of instructor.

POLI 301

Policy Analysis and Evaluation

(4,0) 4

Examines how public issues and problems are analyzed to assist in the development of public policies. Considers the process of evaluating public programs to determine whether they are to be expanded, cut back or continued at the current level. Prerequisite: Permission of Instructor.

POLI 325

Politics and Media

(3,0) 3

Examines the impact of electronic and print media on contemporary American politics. Evaluates proposals for changing the method and role of media coverage of government and politics. Prerequisites: POLI110 and junior standing.

POLI 331

Comparative Politics of Western Europe and Russia

(4,0) 4

Institutions and functioning of government in major European states, such as Great Britain, France, Germany and Russia. Prerequisite: POLI110.

POLI 334

Middle East Politics

(3,0) 3

An examination of government and politics in the Middle East, with special emphasis on the influences of Islam and nationalism on both international and domestic politics of the area. Prerequisite: Junior or senior standing.

POLI 342

International Environmental Policy

(3,0) 3

This course is intended to familiarize students with the efforts of the international community to establish policy guidelines designed to begin the regulation of the global environment. The course covers basic concepts to international relations necessary to understand the general workings of the nation-state system. It then begins an exploration of significant historical international environmental issues and the ways in which these have been dealt with by the international community. The course further challenges students by investigating various alternative solutions for solving the myriad of global environmental problems faced by all of humankind in the new century.

POLI 351
Political Philosophy I
(4,0) 4

An examination of political philosophy from the ancient Greeks through the Reformation, concentrating on Plato, Aristotle, Augustine, Aquinas and Machiavelli. Prerequisites: POLI110 and junior or senior standing.

POLI 352
Political Philosophy II
(4,0) 4

An examination of political philosophy from the seventeenth century to the twentieth century, concentrating on Hobbes, Locke, Rousseau, Hume, Burke, Bentham, Mill, Hegel, and Marx. The course includes analysis of the period's main ideologies: Conservatism, liberalism, socialism, communism, anarchism, fascism and national socialism. Prerequisites: POLI110 and junior or senior standing.

POLI 367
Congress and the Presidency
(4,0) 4

Examines the legislative and executive branches of government as parts of the policy-making process. Prerequisite: POLI110.

POLI 401
Principles of Public Administration
(3,0) 3

Examines major issues and methods in public administration. Analysis of specific public policy issues. Prerequisite: Advanced standing.

POLI 411
U.S. Foreign Policy
(3,0) 3

A study of the formulation and conduct of American foreign policy. Analysis of relevant factors, institutions which influence the formulation and conduct of policy; and an examination of selected foreign policies. Prerequisite: POLI110.

POLI 413
The International Legal Order
(4,0) 4

The primary objective of this course is to explore the reasons for the emergence of

the international legal order as a crucial constraint on the freedom of action of national governments; that is, to understand the impact of the international legal order on contemporary international relations. It also seeks to introduce the substance of international law in selected issue-areas, and to provide an overview of the nature of international legal reasoning. Throughout the course, we shall emphasize the interaction of law and politics, and of national and transnational legal processes. Prerequisite: POLI110.

POLI 420
Politics of the World Economy
(4,0) 4

Power conflict at the international economic level and its impact on the politics of various nations, states, regions and interests. Prerequisites: POLI110 or 160, and junior standing, as well as either ECON201 or 202. POLI241 recommended but not required.

POLI 463
Seminar in Political Science
(1-3,0) 1-3

A reading and discussion seminar dealing with selected topics in political science. Course may be repeated with permission of instructor. Prerequisite: Junior or senior standing.

POLI 467
Constitutional Law and Civil Liberties
(4,0) 4

Principles of the American Constitution: separation of powers, federalism, the powers of the national and state governments, and limitations on the exercise of these powers as well as principles of the American Constitution respecting civil rights and liberties, The Bill of Rights, equal protection of the laws, citizenship and suffrage, and limitations on the exercise of those rights. Prerequisite: POLI120 or its equivalent.

POLI 490
Independent Study in Political Science
(1-3) 1-3

Independent research or directed study under the supervision of a faculty member. May be repeated for a total of nine credits. Prerequisite: Permission of instructor.

POLI 491
Senior Seminar I
(4,0) 4

The first course in a capstone sequence required of all political science majors. The course examines the history of political science and public administration and reviews contemporary approaches and recent research. Students prepare a research proposal to be carried out in POLI492. Prerequisites: Political science major and senior standing.

POLI 492
Senior Seminar II

(4,0) 4

Completion of the research project begun in POLI491. Students will make oral presentations of their project results at the end of the course to other students, faculty and invited guests. Prerequisite: POLI491.

POLI499

Political Science/Public Administration Internship

(1,9 - 27) 3-9

Students arrange, with the assistance and approval of the instructor, a supervised work experience in a governmental, community or nonprofit organization. Students perform professional tasks under the supervision of agency personnel. The students' review and evaluation of the work experience is under the direction of the instructor. Permission of the instructor required by the seventh week of the preceding semester. Course may be repeated to a maximum of nine credits.

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PSYC101

Introduction to Psychology

(4,0) 4

A general introduction to the systematic study of behavior and mental processes in humans and animals.

PSYC155

Lifespan Development

(3,0) 3

Human psychological development from birth to death. This course covers social, emotional and intellectual development across the lifespan.

PSYC201

Communication Skills in Counseling

(2,1) 3

This course covers the essential elements of establishing a therapeutic relationship, including active listening skills, empathy and confrontation. Students both explore their potential to be congruent and authentic as counselors and demonstrate counseling skills with voluntary, involuntary and crisis counselors. No prerequisite.

PSYC210

Statistics

(3,0) 3

Introduction to basic statistical methods of analyzing psychological data. Emphasis is placed on statistical inference, e.g., t-tests, F-tests and selected non-parametric tests. This course provides students with basic statistical concepts and skills necessary for laboratory and survey work, and for understanding psychological literature, and introduces them to statistical analysis on the computer. MATH207 may be used in place of PSYC210 to meet the psychology major and minor requirements. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

PSYC212
Experimental Psychology
(3,2) 4

An examination of the basic research methods employed in the social sciences with emphasis on the experiment. Topics: Epistemology, laboratory experiments, field experiments, survey construction, correlational research. Students will each participate as a subject and an experimenter, collect data, analyze data, and write a laboratory report according to the editorial style of the American Psychological Association. Laboratory assignments require use of computer applications for experimental purposes, including running experiments and collecting data, analyzing results, creation of appropriate figures, and communication of results in text and oral presentations with slides. Prerequisites: PSYC101 and either PSYC210 or MATH207.

PSYC217
Social Psychology
(3,0) 3

Topics include attitude formation and change, interpersonal attraction, aggression, altruism, conformity and environmental psychology.

PSYC240
Behavior Management
(3,0) 3

Systematic introduction to behavioral concepts and techniques. Self-management applications and behavioral assessments in applied settings serve as practical lab experiences.

PSYC259
Abnormal Psychology
(3,0) 3

This course is a systematic investigation of the identification, dynamics and treatment of deviant and maladaptive behavior.

PSYC265
Child and Adolescent Development
(3,0) 3

Psychological development of the child through adolescence. Social, emotional and intellectual development are covered, with consideration of genetic, prenatal and postnatal influences. Prerequisite: PSYC101, 155 or EDUC150.

PSYC291
Group Counseling
(3,0) 3

This course examines the theory, techniques and practice of group counseling. Students will become familiar with basic group process, theoretical perspectives and their application to group counseling. Prerequisite: PSYC201.

PSYC301

Exceptional Child and Adolescent

(3,0) 3

The study of physically, intellectually and socially exceptional children and adolescents, including their characteristics and unique educational needs.

Prerequisite: PSYC155 or 265.

PSYC311

Learning and Motivation

(3,0) 3

An introduction to the theory and research of learning. Factors are examined that influence the acquisition and performance of behaviors in classical and instrumental learning paradigms. Prerequisite: PSYC212.

PSYC357

Personality Theory

(3,0) 3

This course surveys the major psychological theories used to conceptualize, treat and research personality issues. Prerequisite: 12 hours of psychology.

PSYC385

Health Psychology

(3,0) 3

This course covers psychoneuroimmunology and stress as they impact on human health and disease as well as psychological interventions which promote physical well being and healing. Prerequisite: Junior standing.

PSYC391

Family Therapy

(3,0) 3

This course applies a systems framework to the understanding of family dynamics and introduces structural perspectives and modalities for family intervention.

Prerequisites: PSYC101 and junior standing.

PSYC396

Tests and Measurements

(3,0) 3

This course has two parts. Part one covers measurement theory, the properties of the normal curve, reliability, validity and measurement statistics. Part two reviews major tests used by researchers, educators, clinicians, counselors, addictions counselors and industrial psychologists. Prerequisite: SOCY302 or PSYC210 or MATH207 or equivalent.

PSYC456

History and Systems of Psychology

(3,0) 3

An examination of persons, events, theories, schools and systems that influenced and define contemporary psychology. Prerequisite: PSYC311.

PSYC457

Cognition

(3,0) 3

A survey of recent findings on cognition in humans. Topics include learning, memory, problem solving, language and complex perceptual processes.

Prerequisite: PSYC311.

PSYC459

Physiological Psychology

(3,0) 3

This course is an introduction to the neurophysiological structures of the brain and their functions as regulators of animal and human behavior. Prerequisite: PSYC311.

PSYC490

Research Topics in Psychology

(1-4) 1-4

This may take the form of either a research project or a program of directed reading on a specific topic. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. May be repeated up to a total of six credits. Prerequisite: Permission of instructor.

PSYC495

Senior Research Practicum

(0,3) 3

A practicum under the guidance of a faculty mentor. The student will conduct an empirical research project based on the proposal submitted by the student in PSYC498. Prerequisite: PSYC498. Corequisite: PSYC499.

PSYC498

Senior Research I

(3,0) 3

The study of methods employed in gathering data for research purposes including direct observational techniques and self-report measures. Students will also learn to use the computer to gather data, analyze data and present data graphically; and will develop a research prospectus. Prerequisites: PSYC212, PSYC311 and either PSYC210 or MATH207.

PSYC499

Senior Research II

(1,0) 1

Issues in the development and implementation of an empirical research project, including design, statistical analyses, ethical review, and modes of presentation. Prerequisite: PSYC498. Co-requisite: PSYC495.

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READ091

Preparation for College Reading

(3,0) 3

Introduces reading strategies and study skills necessary for college success. Through integration of acquired knowledge and reading practice, students will develop strategies for vocabulary expansion, comprehension, critical thinking, and increase reading rate. Students must earn a minimum grade of C to pass the course. Credit received in this course does not count toward graduation. Prerequisites: none.

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RECA103

Badminton and Racquetball

(0,2) 1

This course will serve to introduce the student to two racquet sports: Racquetball and badminton. The course will offer each sport for 7.5 weeks and then the student will rotate to the other racquet sport.

RECA105

Bowling

(0,2) 1

This course will emphasize delivery, scoring etiquette, strategies for converting spares, spot vs. pin bowling, and learning about handicapping. The course will involve theory as well as practical experience.

RECA106

Backpacking

(0,2) 1

Introduction to equipment, safety precautions, environmental concerns and skills needed to successfully backpack. Class will experience a weekend backpacking trip.

RECA107

Canoe Techniques

(0,2) 1

This course will introduce the student to the basic strokes and canoe safety associated with flat water canoeing.

RECA109

Rock Climbing and Rappelling

(0,2) 1

This course will introduce the student to the components associated with top rope climbing and rappelling. The student will become familiar with equipment, knots, setting up a safe site, terminology and technique.

RECA110

Golf

(0,2) 1

This course is designed to provide the beginning golfer with the fundamentals of the activity and to further play as a lifetime recreational activity.

RECA114

Self Defense

(0,2) 1

This course is designed to introduce the student to the philosophy, concepts and various strategies associated with the martial arts. Physical and mental conditioning and physical techniques associated with the art of self defense will be presented and practiced.

RECA119

Cross Country Skiing

(0,2) 1

This course will introduce the student to the sport of cross country skiing. Emphasis will be placed on basic skill development, equipment selection, maintenance of equipment and the enjoyment of winter and the beauty it has to offer. The majority of class time will be spent skiing; class instruction will occur during the ski, usually on a one-to-one basis to meet the needs of the student.

RECA120

Downhill Skiing and Snowboarding

(0,2) 1

The students will be provided with an opportunity to learn the basic fundamentals of downhill skiing and snowboarding and to gain sufficient knowledge of the sport so they may continue to enjoy and improve for the rest of their lives.

RECA125

Tennis

(0,2) 1

This course is intended to develop each student's present knowledge and skills in order that they will be able to pursue tennis as a lifetime leisure activity.

RECA127

Volleyball

(0,2) 1

This course is designed to develop basic skills and progression in power volleyball. Conditioning, drill, game tactics and rules will be practically applied.

RECA129

Basketball

(0,2) 1

This course is designed to expand each student's present knowledge and skill specific to skill execution, game play, game strategy and rules. May not be repeated for credit. Not available for credit to any student/athlete playing intercollegiate basketball.

RECA130

Intercollegiate Sports Skills

(0,2) 1

Will meet as directed by instructor. The course is designed for student-athletes involved in intercollegiate athletics. It provides the opportunity to develop advanced skills in their respective sports. The course may be taken two times for a total of two credits. It may be taken only once per academic year and only during the term in which the student-athlete is participating in an intercollegiate sport.

RECA150

Individualized Physical Fitness

(0,2) 1

This class is designed to enable the student to discover his or her own level of fitness and develop and implement an exercise program that will address personal fitness concerns. Central to this process is introducing the student to various aspects of a balanced fitness program and providing personal assistance to the student in selecting beginning fitness goals and appropriate progression of those goals.

RECA151

Jogging and Walking for Fitness

(0,2) 1

Introduction to jogging and walking as means of developing physical and mental fitness. Development of an activity ideal for lifetime leisure involvement.

RECA153

Weight Training

(0,2) 1

This class is designed to familiarize each student with basic weight training knowledge. The student will become familiar with muscular systems, functions, and safe and effective ways to organize and implement a weight training routine.

RECA154

Yoga

(0,2) 1

This course will cover the history, theory principles and benefits contraindications and methods of yoga as well as the application of yoga asanas, breathing techniques and relaxation method.

RECA173

Social Dance

(0,2) 1

This course is designed to provide participants with a broad range of dancing patterns and rhythmic skills. Through social interaction, the following social dances will be learned: Mixers, round dance, square dance and ballroom dance.

RECA174

Aerobic Dance

(0,2) 1

This course will provide the student with an opportunity to become involved in a structured aerobic dance program. The purpose of this type of programming is to improve an individual's physical fitness through rhythmic and dance activities.

RECA175

Step Aerobics

(0,2) 1

A step workout is a high-intensity, low-impact aerobic workout for all fitness levels. The principle is to step up and down on a platform while simultaneously performing upper-body exercises. The program will work every major muscle group in the lower body, while training the upper body.

RECA180

Beginning Skating

(0,2) 1

The students will be provided with an opportunity to learn the basic fundamentals of skating and to gain sufficient knowledge of the sport so that they may continue to enjoy and improve for the rest of their lives.

RECA190

Aquatic Fitness

(0,2) 1

This course will introduce students to developing cardiovascular fitness, muscular strength and muscular endurance through aquatic activities as an alternative to weight bearing forms of exercise. Water related exercises and activities will be utilized to improve physical fitness. Individuals of all fitness levels will enjoy getting fit in the water.

RECA194

Scuba

(0,2) 1

This course is designed to introduce the student to the appropriate and safe use of self-contained underwater breathing apparatus.

RECA195

Beginning and Advanced Beginning Swimming

(0,2) 1

Course meets in pool two hours a week. Mostly lab work but some lecture. Students cover material in Red Cross beginner and advanced beginner courses and receive certification in one or both depending on skill level attained.

RECA210

Lifeguarding

(0,4) 2

Course meets in pool four hours a week. Mostly lab work, some lecture. Students cover material in Red Cross Basic and Emergency Water Safety course and Red Cross Lifeguarding course. Students receive certification in one or both depending on skill level attained. Either certificate qualifies students to take water safety and lifeguarding Instructor course, RECA211. Prerequisite: Red Cross intermediate

swimming certificate or equivalent skills.

RECA211

Water Safety and Lifeguard Instructor

(0,4) 2

Course meets four hours a week, 70 percent of the time in the pool and 30 percent of the time in the classroom. All students cover material in Red Cross water safety instructor course and do a teaching practicum at the Lake Superior State University pool. Those students entering with a current lifeguarding card may also cover lifeguarding instructor material. Prerequisites: Current Emergency Water Safety or Lifeguarding certificate.

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RECS101

Introduction to Recreation and Leisure Services

(3,0) 3

Overview of philosophy, history, theory, programs, professional leadership and organizations, economics and leisure service delivery systems.

RECS105

Program Development and Leadership

(3,0) 3

Principles of leadership skills and styles are applied to various recreation settings with emphasis on group interaction and face-to-face leading. Programming fundamentals for effective leisure services delivery are explored and implemented. Also listed as EXER105.

RECS212

Instructional Methods in Adapted Aquatics

(1,2) 2 alternate years

Based on American Red Cross adapted aquatics guidelines, the course is designed to help students develop skills used when planning, implementing, instructing, and evaluating water activity programs for those with a disability. Current water safety instructors (WSI) may become American Red Cross certified as adapted aquatics instructors. People who do not have a WSI may become American Red Cross certified adapted aquatics aides.

RECS220

Methods in Arts and Crafts

(3,0) 3 alternate years

A variety of arts and crafts media are studied and applied to specific recreation settings with concentration on leading and programming. Prerequisites: RECS101 and 105.

RECS262

Outdoor Recreation

(3,0) 3

This course will introduce the student to a variety of topics and content areas related to outdoor recreation. These topics will include outdoor education, organized camping and adventure education. Also included will be an opportunity to become familiar with outdoor living skills. Prerequisite: RECS105.

RECS270
Sports Management
(3,0) 3 alternate years

This course will provide philosophies, organization techniques and administration principles for youth sports, officiating, intramurals, organized athletics and recreational sports. Issues on assessment, design, implementation, and evaluation for sports programs in today's society will be explored. Investigation of appropriate resources, professional organization's impact, training methods, certification processes and gender issues will be highlighted.

RECS280
Readiness in Games, Activities and Sports
(3,0) 3 alternate years

This course will focus on the selection and implementation of games, activities and sports which are age-appropriate for the clientele being served. Psychological, sociological, emotional and physiological readiness will be studied as it relates to implementation, modification and presentation of games, activities, and sports to various age groups. Both positive and negative outcomes will be identified.

RECS295
Practicum
(1-2,0) 1-2

Practical experiences designed to provide the student with various types of recreation programs. The student will work under a site supervisor specialized in that particular area of the student's interest. One credit hour for every 45 hours of practical experience. May be repeated for up to four credits. Prerequisite: Instructor permission

RECS320
Dance and Rhythmic Activities for Recreation
(3,0) 3 alternate years

Study of dance in social and therapeutic settings; developing skills to lead programs and adapt a variety of rhythmic activities for individuals and groups: Creative movement, improvisation, variety of social dance, historical significance to actual implementation. Prerequisites: RECS101 and 105.

RECS344
Adapted Sports and Recreation
(3,0) 3

A study of specialized recreational and athletic opportunities available to individuals with illnesses and disabilities. Related associations, equipment, rules and classifications, resources and research will be encountered for a wide range of activities and conditions. When available, practical opportunities will be included as part of the learning process. Prerequisite: junior standing.

RECS360

Facilitation and Interpretation Techniques

(2,2) 3

This course is designed to serve recreation students who are interested in facilitating outdoor or adventure based programs, and/or become interpreters in an outdoor or parks environment. The course will expose the student to a wide variety of facilitation/interpretation methodologies. The student will be involved in both learning and practicing these techniques. Examples of these techniques would include such things as utilization of the metaphor, and Haiku. This class will also travel to different outdoor facilities, such as outdoor education centers and state historical sites. This will enable the students to facilitate experiences in an environment unavailable at LSSU (example, a high ropes course) and to interface with individuals who provide facilitation and interpretation as a part of their professional responsibilities. Prerequisites: RECS105, RECS262.

RECS362

Land Management for Recreation Purposes

(3,0) 3

This course is designed to meet the needs of the student pursuing a parks and recreation degree. Provides insight and understanding for problems inherent to managing recreation lands for optimum use and minimum impact. Also, for recreation majors in outdoor recreation option. Prerequisites: RECS101 and RECS262 or NSCI103 and EVRN131.

RECS365

Expedition Management

(2,2) 3

Intensive study of performance, programming, leadership and management skills involved in conducting wilderness and back country recreation programming. The student will become aware of various theoretical support structures and paradigms associated with adventure education and the values associated with the use of outdoor programming as a therapeutic intervention modality. Course content includes: Initiating and programming wilderness/back country experiences, group dynamics and outdoor living skills. A ten-day outing is required immediately upon completion of the semester. Prerequisite: RECS262.

RECS367

National Parks, National Monuments and National Culture

(3,0) 3 alternate years

This course will focus on the historical development of national parks and the affiliated National Land Ethic. Included in the presentation will be a study of the social, cultural, aesthetic and economic history which fostered the development of a national attitude that favored the "national park" concept. The course will also emphasize the emergence of national parks in this country as a representative of our national cultural history. The course will trace the historical development of a land ethic. It will also trace an emerging aesthetic awareness of land among people who arrived to this continent from Central Europe during the 1600s. This Central European land ethic will be compared to the land ethic of Native Americans. Both of these will be traced through this country's history and will serve as a basis for anticipating future land management trends and issues.

RECS370

Recreation for the Elderly

(3,0) 3 alternate years

Geared to individuals who will be working with senior citizens in recreation programs, hospitals, nursing homes and family members. The aging process will be studied from the perspective that sound principles will be applied to leading and programming for this growing segment of our population. Prerequisites: RECS101, 105 and 200-level recreation electives; or NURS290 and HLTH352.

RECS375
Commercial Recreation
(3,0) 3 alternate years

An introduction to the scope, characteristics and management aspects of the commercial recreation industry. Substantial coverage of entrepreneurial strategies, economic concepts applied to commercial recreation, steps for creating feasibility studies, and operation management. An in-depth study of specific commercial recreation programs including travel, tourism, hospitality, club, and the entertainment industry will be included with emphasis on present and future trends and career opportunities. Prerequisites: RECS105 or BUSN121, ACTG230, ECON202 and FINC245.

RECS390
Recreation Leader Apprenticeship
(1,0) 1

Practical experience in learning to teach and lead various recreation experiences. Students serve with qualified instructors. Prerequisite: Basic skills and knowledge of activity and instructor permission. May be repeated for a total of three credits.

RECS397
Recreation Studies Junior Research Seminar
(1,0) 1

Introduces the concepts, purpose, methods and function of scholarly research and scientific inquiry. Prerequisites: junior standing, and majoring in recreation management or parks and recreation.

RECS435
Research in Recreation and Leisure Sciences
(3,0) 3

This course will serve as a culminating educational component for the student majoring in therapeutic recreation and recreation management. The course will focus in part on current problems and issues in therapeutic recreation and will also have a major emphasis on developing an original research project. Prerequisites: RECS397 and MATH207, or PSYC210 or comparable statistics course.

RECS437
Recreation Studies Senior Research Seminar
(1,0) 1

The focus of this course is to provide instruction and experience relative to data analysis and presentation methodologies affiliated with conducting research. The students will apply the procedures and methodologies discussed in class directly to their research projects. Prerequisite: RECS435.

RECS450

Philosophy of Human Performance and Leisure

(3,0) 3

A study of the origins and development of leisure behavior, sport, athletics and personal fitness across cultures. Ethical issues such as violence, opportunity, exploitation, role models and equity will be examined. Prerequisites: EXER262 or RECS101 and junior status. Also listed as EXER450.

RECS481

Professional Development Seminar

(1,0) 1

Opportunities for students to refine personal and professional goals and initiate preparation of resumes and interviewing skills. Career planning and placement will be emphasized as well as internship evaluation. Seminar format. Prerequisite: Senior status required.

RECS482

Administration of Recreation and Leisure Services

(4,0) 4

This course will emphasize organizational patterns and administration problems encountered in operating various types of recreation departments and agencies. Additional content will include budgeting, fund raising, grant writing, personnel management and public relations. Prerequisites: RECS105 and junior standing.

RECS492

Internship

2-6

This is a comprehensive practical application of the student's formal academic preparation. Prerequisites: Completion of 20 of the 25 hours of departmental core requirements and junior or senior standing and instructor permission.

RECS496

Selected Research Topics

(1-3,0) 1-3

Student carries out approved project(s) of his/her own initiative. Prerequisite: junior standing and instructor permission.

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SERV100

University Success Strategies

(1,0) 1

Based on assessment of student inventories, students are provided the opportunity to improve their study skills, methods of time management, modes of memorization, note-taking techniques, and university examination preparation. Emphasis is placed on making the transition to university life by focusing on various academic strategies and exposing students to basic information on LSSU programs, policies and procedures.

SERV125

Career Planning and Decision Making

(1,1) 1

Expanding awareness of personal strength and career options, this course will help students make realistic decisions relating to planning and implementation of academic and life career goals. Follows a student self-directed framework utilizing video-tapes and career/self-exploration to complete assignments. Prerequisites: student must be fully admitted for enrollment at LSSU and currently enrolled in six (6) credits.

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SOCY101

Introduction to Sociology

(4,0) 4

This course introduces students to core sociological theorists and perspectives, including functionalism, conflict and symbolic interactionism, and familiarizes them with basic research designs, terminology and findings within the context of collective behavior and social movements.

SOCY102

Social Problems

(4,0) 4

An introductory to descriptions, theories, proposed solutions, and research methods for a variety of social problems including inequality, poverty, unemployment, environmental issues, family problems, and violence.

SOCY103

Cultural Diversity

(3,0) 3

This course introduces the student to racial, ethnic, gender and social class variation within the United States and the global community to enable the student to better understand, live with, and appreciate diversity.

SOCY113

Sociology of the American Family

(3,0) 3

A study of the development and change of the American family since 1890. This study will explore the impact of urbanization, industrialization, increased mobility, extended education and the changing status of women on the American family.

SOCY214

Criminology

(3,0) 3

A study of the nature and causes of crime and the results of various attempts to reduce crime.

SOCY227

Population and Ecology

(3,0) 3

Study of the basic issue of the world's population increase and distribution in relation to natural resources, standards of living, political systems, changes in physical and cultural environments.

SOCY238

Social Psychology

(3,2) 4

This course examines the social nature of humans, exploring both the influence of social structures upon behavior and the process by which people create social structures; explains symbolic interactionist theory; and introduces qualitative research methods which are applied in a field study conducted by the student. Prerequisite: SOCY101 with a grade of C or better, ENGL110, with a grade of C or better.

SOCY242

Sociology of Sex

(3,0) 3

Socio-psychological study of the impact of human sexuality upon human behavior.

SOCY301

Social Research Methods

(3,0) 3

Identification of research problems, concepts and theoretically derived hypothesis; Review of principle methods of experimental design, survey and field research and unobtrusive analysis. Prerequisite: Junior Status or Permission of Instructor.

SOCY302

Statistics for Social Science

(4,0) 4

The social foundation of statistical inference is discussed and elementary statistical concepts are introduced through numerical problems: Z scores, t-test, chi square, correlation, ANOVA, etc. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

SOCY310

Development of Sociological Theory

(3,0) 3

A critical analysis of the contributions to sociological theory by Comte, Spencer, Marx, Durkheim, Pareto, Weber and others. Prerequisite: SOCY238.

SOCY311

Contemporary Sociological Theory

(3,0) 3

Critical analysis of major sociological theories of the 20th and 21st centuries.

Prerequisite: SOCY238.

SOCY314
Social Change
(3,0) 3

Study of trends in industrial societies, theories explaining these changes, and the role of social movements in social change; focusing primarily on industrialized societies with some discussion of developing countries. Prerequisite: Junior standing or three hours of sociology.

SOCY321
Sociology of Women
(3,0) 3

This analysis of the roles and status of women in contemporary American society covers social structure, social psychology and social movements; also includes some cross-cultural comparisons.

SOCY326
The Sociology of Aging and the Aged
(3,0) 3

Examines aging and the aged in American society from the sociological perspective.

SOCY327
The Sociology of Dying and Death
(3,0) 3

Sociological examination of dying and death.

SOCY338
Deviance
(3,0) 3

Analysis of causes and consequences of deviant behavior and the development of deviant subcultures; examination of various societal responses to control deviance and their effectiveness. Prerequisite: Junior standing or three hours of sociology and/or human services.

SOCY339
Culture and Personality
(3,0) 3

Analysis of the role of culture in shaping personality using both contemporary industrial society and also cross-culture material. Prerequisite: Three hours of sociology or junior standing.

SOCY399
Sociology Junior Seminar
(1,0) 1

Students will develop a proposal for their senior project through lecture and discussion, mentoring by seniors, and collaboration with colleagues. Prerequisites:

SOCY238, 304, 302, and SOCY/SOWK202.

SOCY401
Sociology Seminar I
(1,0) 1

Meetings provide instruction for the senior project covering locating sources, moving from theory to research, constructing a review of literature and designing methods. Prerequisite: SOCY399.

SOCY402
Sociology Seminar II
(1,0) 1

Class meetings provide instruction for the senior project, focusing upon designing and conducting research, analyzing data, completing final report, preparing poster and formal presentation. Prerequisites: SOCY401 and 495.

SOCY405
Seminar: Current Sociological Issues
(3,0) 3

Contemporary issues in sociology, to vary from year to year. Extensive reading, writing, and discussion expected. Prerequisites: Junior standing and 12 hours in sociology. This course may be repeated when content varies.

SOCY490
Independent Research Topics in Sociology
(1-4) 1-4

This may take the form of either a research project or a program of directed reading on a specific topic. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. May be repeated to a total of six credits. Prerequisite: Permission of instructor.

SOCY495
Senior Project I
(0,6) 2

In this practicum, under the guidance of a Sociology faculty member, the student prepares a review of literature and research plan for an independent research project in Sociology. Prerequisite: SOCY399.

SOCY496
Senior Project II
(0,6) 2

In this practicum, under the guidance of a Sociology faculty member, the student refines the research plan prepared in SOCY495, gathers data, completes an analysis, writes up the findings, presents the study in a public forum and prepares a poster. Prerequisites: SOCY401 and 495.

SOCY497
Community Action Project

(1,6) 3

This is an applied course in which, under the guidance of a sociology faculty member, the student carries out a practical project designed to address a community need identified in and elaborated upon in SOCY495. Prerequisites: SOCY401 and SOCY495.

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SOWK110

Introduction to Social Work

(3,0) 3

A general introduction and overview of the social work profession including its philosophy, values, professional roles, current trends and models in different practice settings (i.e. public welfare, child and family services, mental health, medical settings, etc.).

SOWK204

Fundamentals of Drug Abuse

(3,0) 3

Examines the pharmacology of commonly abused psychoactive and high-use drugs. Emphasizes the physiological effects of drug use and abuse. Topics include stimulants, depressants, opiates, hallucinogens, inhalants, cannabis, over-the-counter drugs, alcohol and drug testing. Prerequisite or Corequisite: BIOL105 or equivalent.

SOWK250

Social Work Practicum

(1,9-27) 3-9

This course provides a field placement opportunity for students to practice skills and use knowledge gained from courses in skill minors. Prerequisite: Permission of instructor. Credit/No credit grade.

SOWK292

Substance Abuse: Prevention and Treatment

(3,0) 3

This course examines current prevention, detection and treatment approaches for substance abuse and addiction.

SOWK301

Alternative Dispute Resolution and Conflict Management

(3,0) 3

This course explores non-judicial avenues of dispute or conflict resolution such as negotiation, mediation, arbitration, as well as court-annexed alternative dispute resolution mechanisms. The procedural aspects, key elements, ethical considerations and practical applications of alternative dispute resolution are discussed as part of the dispute resolution landscape. The course will also include dispute resolution and conflict management simulations and case studies. Prerequisite: LAWS202 or junior standing. Also listed as LAWS301.

SOWK305

Tribal Law and Government

(3,0) 3

A study of tribal law which will explore such areas as the structure of tribal government; tribal sovereignty; treaties; civil and criminal court jurisdiction in Indian country; tribal resources; tribal economic development; taxation and regulation; rights of individual Indians; and various federal laws and court cases concerning and affecting tribes and their members. Prerequisites: HIST230 and NATV230. Also listed as LAWS305/NATV305.

SOWK310

Clinical Practice and Diagnosis

(3,0) 3

Student will learn skills in developing psychosocial history, treatment plans, becoming familiar with diagnostic criteria and categories, and appreciating the uses and limitations of various diagnostic schemes. Prerequisite: PSYC201.

SOWK341

Addiction

(3,0) 3

Study of the nature of drug dependency with emphasis on social and cultural variations in patterns and consequences of use. Prerequisites: either junior standing or sophomore standing together with HMSV204.

SOWK344

Social Welfare Systems

(3,0) 3

Analysis of social welfare systems in the U.S. including history, philosophy, cross-cultural comparisons, and current issues. Prerequisites: Junior standing or completion of SOWK110 or completion of HMSV204

SOWK480

Grantwriting

(3,0) 3

This course gives advanced students experience in the research, writing and planning skills involved in preparing grant proposals for human service problems.

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SPAN161

First-Year Spanish I

(4,1) 4 fall

Introduction to basic Spanish grammar and vocabulary, designed to acquaint the student with the essentials of oral and written Spanish.

SPAN162

First-Year Spanish II

(4,1) 4 spring

Further study of Spanish grammar and vocabulary; emphasis on oral communication; reading of various materials in Spanish with the aim of understanding the meaning, enlarging the vocabulary and using Spanish for communication. Prerequisite: SPAN161 or equivalent.

SPAN165

Spanish for Public Safety

(4,1) 4 on demand

A continuation of SPAN161, with emphasis on vocabulary relevant to work in criminal justice. Prerequisite: SPAN161 or equivalent.

SPAN261

Second-Year Spanish I

(3,1) 3 fall

Intensive review of grammar and further vocabulary development. Emphasis on composition and conversation based on the reading of Spanish texts and newspapers. Prerequisite: SPAN162 or equivalent.

SPAN262

Second-Year Spanish II

(3,1) 3 spring

Acquisition of advanced skills in composition, grammar, reading and conversation, using media and readings related to the Hispanic world. Corequisite: SPAN262 or equivalent.

SPAN301

Study Abroad

(8,0) 8 summer

Students admitted by the faculty of the Spanish Department will take a variety of classes at an accredited institution in a Spanish-speaking country. Students will spend a minimum of 30 hours per week in class. They will also be required to visit sites for archaeological, historical and cultural importance. The students' work and progress will be monitored and evaluated by the LSSU Spanish Department in cooperation with the foreign institution. Prerequisite: Students must have completed a minimum of two courses of Spanish at LSSU and obtain the professor's permission. *Credit for this course may be applied to fulfill the requirements for a Spanish major or a Spanish minor. This course cannot be repeated.

SPAN361

Advanced Spanish Grammar

(3,0) 3

Acquisition of advanced skills in composition, grammar, reading and conversation, using media and readings related to the Hispanic world. Corequisite: SPAN262 or equivalent.

SPAN362

Advanced Spanish Composition

(3,0) 3

This course is designed to improve writing skills in Spanish through extensive and intensive reading of Spanish and Spanish-American fiction. Prerequisite: SPAN262. Corequisite: SPAN361.

SPAN368

Selected Topics in Conversation

(2,0) 2

Class assignments and readings provide the basis for in-class discussion at post-intermediate level. Students will be given the opportunity to practice vocabulary and grammar structures in life-like situations and contexts. Prerequisites: SPAN361 and 362.

SPAN380

Survey of Spanish-American Literature I

(3,0) 3

Class is a survey course of Spanish-American literature from the Spanish Conquest to 1880. It will cover readings from diverse genres and periods, beginning with an examination of precolumbian indigenous texts and ending with an overview of the development of modernismo. Prerequisites: SPAN361 and 362.

SPAN381

Survey of Spanish-American Literature II

(3,0) 3

Elective survey course of Spanish-American literature from 1880 to present day. It will cover readings from diverse genres and periods, beginning with an examination of modernismo, and culminating with selections from prominent recent literary works. Prerequisites: SPAN361 and 362.

SPAN401

The Spanish Novel

(3,0) 3

The class will focus on the study of selected 19th and 20th Century Spanish peninsular novels. Theme and content of course may vary from semester to semester. With the instructor's permission, this course may be repeated, and students may acquire up to six hours of credit for SPAN401. Prerequisites: SPAN361 and 362.

SPAN402

The Spanish-American Novel

(3,0) 3

This class will focus on the study of selected Spanish-American novels. Theme and content of course may vary from semester to semester. With the instructor's permission, this course may be repeated, and students may acquire up to six hours of credit for SPAN402. Prerequisites: SPAN361 and 362.

SPAN410

Spanish-American Civilization

(3,0) 3

This course will focus on the study of the history and culture of Spanish-America. The textbook will be supplemented with additional collateral readings; students will prepare both oral and written reports in Spanish on various assigned topics throughout the semester. Prerequisites: SPAN361 and 362.

SPAN411
Spanish Civilization
(3,0) 3

This course will focus on the study of the history and culture of Spain. The textbook will be supplemented with additional collateral readings; students will prepare both oral and written reports in Spanish on various assigned topics throughout the semester. Prerequisites: SPAN361 and 362.

SPAN412
Hispanic Literature of the Southwest
(3,0) 3

This course will examine the post-WWII development of Chicano culture in the southwestern United States as reflected through literature and the fine arts. Students will read a broad spectrum of popular Mexican-American literary works from 1945 to present day. Prerequisites: SPAN361 and 362.

SPAN490
Topics in Hispanic Literature
(1-4,0) 1-4

The content of this elective course will vary from semester to semester. Students may repeat SPAN490 once, and in so doing, acquire up to six hours credit for their degree plan with this class. Areas of study will include, but not be limited to, specific genres, periods, authors and literary movements. Prerequisites: SPAN361 and 362.

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THEA101
Acting I
(3,0) 3

This course is designed to provide an introduction into the basics of stage acting. The students will gain basic skills in acting, character development, improvisation, projection, pacing, movement, and breathing, as well as a working vocabulary of theatre terms.

THEA161
Theatre Practicum
(1-6,0) 1-6

Provides practical experience in the production of a theatrical performance. Requires participation in acting, publicity, costuming, stage crew or set construction. May be repeated for a total of six credits. Prerequisite: Permission of Instructor.

THEA201
Acting II
(3,0) 3

This course builds upon the skills of Acting I, with emphasis on script analysis, scene work, and character development. Students will become familiar with basic approaches to realistic acting and will become more familiar with Stanislavski's method and the Meisner system. Prerequisite: THEA101.

THEA251
History of Drama and Theatre I
(3,0) 3

The study of the historical and esthetic drama and theatre from the Greek period to the European Renaissance. Prerequisite: ENGL110.

THEA252
History of Drama and Theatre II
(3,0) 3

The study of the historical and esthetic drama and theatre from the Renaissance to current theatre and drama. Prerequisite: ENGL110.

THEA309
Theatre Studies: (Topic)
(3,0) 3

Practical problems in the development and production of theatre, tournaments and festivals. Course may be repeated one time (for a total of six credits) with a change in focus. Prerequisite: Permission of Instructor.

THEA333
Studies in the Drama: The Genre and Theater in Context (Topic)
(3,0) 3

Students will examine theatre of a specific genre or genres in its social, cultural, political, and personal contexts. Course may be repeated one time (for a total of six credits) with a change of focus. Prerequisite: Junior or Senior standing or Permission of Instructor.

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USEM101
University Seminar I: Foundations for Success
(1,0) 1

This course focuses on academic skills and critical thinking, on knowledge of the institution and the role of higher education, and on personal skills for living, which together are requisite for student success and lifelong learning. Seminar I - Foundations for Success places emphasis on incorporation into university culture, time management, use of campus resources, written and oral presentations, development of critical thinking skills, and strengthening study skills for academic success.

USEM102
University Seminar II: Developing Critical Thinking
(1,0) 1

Seminar II: Developing Critical Thinking continues the goals of Seminar I while placing emphasis on the application of critical thinking skills to the academic setting. A reading anthology is used as the basis for regular written, and oral communication and a term research paper. While continuing to apply skills and techniques used in Seminar I, students additionally develop cultural literacy and incorporate greater computer usage, and explore campus organizations, community events and community service.

USEM103

University Seminar III: Thinking About the Discipline

(1,0) 1

Seminar III: Thinking about the Discipline begins a more focused examination of the applications of critical thinking to the student's discipline. Each school selects a reading anthology suitable for analysis and discussion by its majors in order to examine such as current critical issues, social responsibility, ethics and cultural diversity from the perspective of the student's discipline. Continuing the activities of earlier seminars this course promotes ongoing participation in community events, application of academic success skills and writing in the discipline.

USEM104

University Seminar IV: Professional Seminar

(1,0) 1

Seminar IV: Professional Seminar serves as the fourth and final in the series and focuses on introducing the student to their discipline with special emphasis on interviews with professional, examinations of career options, and overviews of the literature and research of their discipline. This course focuses attention on the skills and knowledge base of the profession, features of the work environment, development of resume and career developing activities. Activities of earlier seminars continue as students apply critical thinking skills to the examination of the current literature of their field, participate in written and oral presentations, and hear presentations from working professionals.

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Terms & Phrases

Academic Credit: (or credit hours or credit): One academic credit is generally earned for every 14 hours in lecture during a semester.

Academic Probation: The result of a grade point average falling below an acceptable level.

Academic Year: Two 15-week semesters.

Accredited: Quality of academic programs has been approved by an outside rating agency.

Admission: Your acceptance for enrollment.

Advisor: Faculty member who offers you academic advice, explains requirements and assists in scheduling.

Anchor Access: Accessed from the My.LSSU Portal. Anchor Access is the most important online tool you will use at LSSU. Access to Registration, financial aid, tuition & billing information, all academic information, parking, employee information, addresses, etc.

Associate Degree: Awarded for a “two-year” program.

Bachelor Degree: or Baccalaureate — awarded for a “four-year” program.

Calendar: Important dates of the academic year.

Certificate: Normally requires one year of study.

College: Academic unit administered by a dean, comprising two or more departments or schools.

Corequisite: Course you must take during the same semester as another course.

Cognate: A specified course, generally in field other than your major, which you must take for your program.

Courses: Descriptions in this catalog generally show a course number, followed by the course name, and the number of academic credits shown at the right of the column.

*ENGL110 First-Year
Composition I.....3*

Credit: See academic credit.

Curriculum: (major, program) Courses required for specific degree or certificate.

Departments: Academic units, each administered by a "chair" or "dean" and offering courses in one or more related disciplines.

Discipline: Group of related courses, such as mathematics.

Elective: Course distinguished from required course, selected it from a number of specified courses.

Field Placement: *See practicum.*

Financial Aid: Includes grants, loans, scholarships or work-study.

Full-Time Student: Enrollment of 12 or more credits in a semester (nine credits for graduate students).

General Education Core Requirements: Courses you must take in addition to your major to earn a bachelor's (or an associate's degree in liberal arts). Provides a broadly based education.

GED Examinations: (General Education Development examination): A test for students who did not finish high school. Can be used in place of high school graduation.

If you didn't finish high school, but believe you learned enough in other ways to qualify for university, this is the test for you.

Grade Point Average (GPA): Number of points divided by the hours of credit attempted. It calculates your average grade for all classes. Cumulative grade point average is the average for all your classes numbered 100 and above.

Internship: (practicum, field placement or clinical): working in a 'real life' setting for academic credit.

Major (*curriculum*): A concentration of courses in your specific area of study.

Minor: A lesser concentration (20 credits or more).

My.LSSU: Web portal to Anchor Access, your email service, school announcements, etc.

Part-Time Student: Enrollment of fewer than 12 credits in a semester (fewer than nine for graduate students).

Practicum: Another word for internship.

Prerequisite: Certain courses you must successfully complete before enrolling in a specific course. You must satisfy prerequisites, and other stated conditions, before enrolling in a course, or have permission from an instructor to waive the prerequisites. It is your responsibility to be certain you have the approved prerequisites.

Program (*also curriculum*): A group of courses you must take in order to earn a degree or certificate.

Registration: Each semester you register for specific courses for the next

semester, pay tuition, etc.

Required Courses: You must take these to earn your degree. Failed courses must be repeated.

School: *See Departments.*

Semester: Sometimes called "term": *See academic year.*

Term: Sometimes called "semester": *See academic year.*

Transcript: Official record of your coursework maintained by the LSSU Registrar's Office.

Transcript, Official: Mailed directly from principal's or registrar's office of issuing institution to LSSU Registrar's Office. It must bear the seal of the institution and signature or stamp of school official.

Withdrawal: Procedure when you drop a course or from school.

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Code of Ethics

- We value a personal approach to education which provides the student access to faculty and staff — education provided in a small collegial atmosphere.
- We value our high quality academic programs which provide practical, technical education with the liberal arts tradition.
- We value a supportive, caring environment exemplified by mutual trust and respect and where each individual has worth through a holistic, student-centered focus. We respect not only the rights but the feelings of others.
- We value the exploration of new paradigms and the creative energy needed to stay at the forefront of knowledge.
- We value systematic assessment of all aspects of the University's operation and constructive improvements based on these evaluations.
- We value our public service role. "Enter to learn, go forth to serve" is a traditional motto at Lake Superior State University.
- We value our collaborative partnerships characterized by high ethical standards with international colleagues, businesses, other educational institutions, community organizations, regional contacts and governmental entities.
- We value our unique geographical setting with its natural beauty and its international focus.
- We value the educational opportunities which are provided in a safer environment.
- We value the University's physical plant with its historical buildings which are both state and national treasures.
- We value a work ethic which emphasizes productive time-on-task, diligence, ethical behavior and responsibility in the student's personal development.
- We value our extracurricular, co-curricular programs and activities which contribute to the students' personal and professional growth.
- We value an environment which celebrates diversity and focuses on the value of each individual's contribution to the general welfare.
- We value the alumni and friends of the University who provide inspiration, loyalty and support.
- We value decisions which are in the best interests of the University and its students.

Expectations for Student Learning

Lake Superior State University utilizes a Student Academic Achievement Plan developed by the faculty to enhance continuous quality improvement and to meet the Assessment Initiative of the Higher Learning Commission of the North Central Association of Colleges and Schools. The intent of this plan is to document student learning at Lake Superior State University both in the major program and across the general education requirements. This continuous evaluation process works to assure high quality teaching and effective student learning. The faculty at Lake Superior State University have collectively agreed upon the characteristics of the educated person the institution hopes to graduate and have identified outcomes that can be used to document these attributes. The following are areas that the

faculty have deemed essential to a liberal education and have value for the students in their lives as responsible citizens: communication skills, mathematics, cultural diversity, humanities, and social and natural science. Students who complete the general education courses at Lake Superior State University will be able to demonstrate attributes of the general education outcomes.

Students attending Lake Superior State University can expect commitment by the University to document and enhance student learning. Through the assessment process, the University demonstrates its commitment to improving student learning and ensures that when students graduate they have attained specific attributes and abilities.

Lake Superior State University expects a commitment on the part of its students to actively participate in the learning process.

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Lake Superior State University is accredited by the following agencies:

- The Higher Learning Commission, 230 S. LaSalle Street, Suite 7-500, Chicago, IL 60604-1413. Phone: 312-263-0456; 800-621-7440. Fax: 312-263-7462. www.ncahigherlearningcommission.org
- The Athletic Training Education Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), 2201 Double Creek Drive, Suite 5006, Round Rock, TX 78864. Phone: 512-733-9700. Fax: 512-733-9701. www.caate.net
- The Bachelor of Science in Chemistry is approved by The American Chemical Society Committee on Professional Training, 1155 Sixteenth Street, N.W., Washington, DC 20036. Phone: 202-872-4589. Fax: 202-872-6066. Email: cpt@acs.org www.acs.org/cpt
- The Bachelor of Science in Environmental Health is accredited by:
 - National Environmental Health Science and Protection Accreditation Council (EHAC), 8620 Roosevelt Way NE Suite A, Seattle, WA 98115. Phone: 206-522-5272. Email: ehacinfo@aehap.org. www.ehacoffice.org.
 - Canadian Institute of Public Health Inspectors (CIPHI) National, #720-999 W. Broadway, Vancouver, BC V5Z 1K5, (604) 739-8180. Email: questions@ciphi.ca. www.ciphi.ca.
- The Bachelor of Science in Fire Science is approved by the International Fire Service Accreditation Congress, 1700 West Tyler, Oklahoma State University, Stillwater, OK 74078. Phone: 405-744-8303. www.ifsac.org
- The Bachelor of Science in Nursing is approved by the Michigan Board of Nursing and is accredited by the Accreditation Commission for Evaluation in Nursing (ACEN), 3343 Peachtree Road NE, Suite 500, Atlanta, GA 30326. Phone: 404-975-5000. Fax: 404-975-5020. <http://www.acenursing.org>
- The bachelor's program in Manufacturing Engineering Technology is accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, 415 North Charles Street, Baltimore, MD 21201. Phone: 410-347-7700. www.abet.org
- The computer, electrical and mechanical engineering bachelor's programs are accredited by the Engineering Accreditation Commission (EAC) of ABET, 415 North Charles Street, Baltimore, MD 21201. Phone: 410-347-7700.



www.abet.org 

- The Elementary and Secondary Education Programs are approved by the Michigan Department of Education, 608 W Allegan Street, PO Box 30008, Lansing, MI 48909. Phone: 517-373-3324. www.michigan.gov/mde 
- The Teacher Education Program has been awarded TEAC initial accreditation by the Inquiry Brief Commission of Council for the Accreditation of Educator Preparation (CAEP), 1140 19th Street, NW, Suite 400, Washington, DC 20036, Phone: 202-223-0077. Email: caep@caepnet.org caepnet.org 

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Student Consumer Information

As an applicant and recipient of federal financial student aid, you have certain rights and responsibilities. Knowing your rights and responsibilities puts you in a better position to make decisions about your goals and how to best achieve them.

Student Rights

You have the right to know:

1. The available financial aid programs. They are listed in the Financial Aid section of this Catalog and on the Web at www.lssu.edu/finaid.
2. Deadlines for submitting applications for each available financial aid program.
3. How financial aid will be distributed, how decisions on that distribution are made and the basis for these decisions.
4. How your financial need was determined. This includes how costs for tuition and fees, room and board, travel, books and supplies, personal and miscellaneous expenses, etc., are considered in your budget. (See Official Offer of Award letter.)
5. What resources (such as parental contribution, other financial aid, your assets, etc.) were considered in the calculation of your need. (Contact the Financial Aid Office.)
6. How much of your financial need has been met, as determined by the institution. (See Official Offer of Award letter.)
7. Request an explanation of the various programs in your student aid package. If you believe you have been treated unfairly, you may request reconsideration of your award. (Contact the Financial Aid Office.)
8. The school's [refund policy](#).
9. What portion of the financial aid received must be repaid and what portion is grant aid. If the aid is a loan, you have the right to know the interest rate, the total amount that must be repaid, the payback procedure, the length of time you have to repay the loan, when repayment begins, the terms, and schedules for the repayment of student loans. (Contact the Financial Aid Office or see Promissory Note.)
10. How the school determines satisfactory progress, what happens if you are not meeting the requirements, and how to [re-establish eligibility for financial aid](#).
11. That LSSU programs are accessible to the handicapped. Further information is available from Disability Services, Lake Superior State University, 650 W. Easterday Ave., Sault Ste. Marie, MI 49783. Disability Services is located in room 149 of the Library.
12. How and when financial aid will be disbursed.
13. That you are entitled by law to examine records maintained in the Financial Aid Office that relate to your financial aid file.
14. The school's completion and graduation rates and [crime statistics](#).
15. And finally, you have the right to request: the names of associations, agencies or governmental bodies that approve, accredit or license the

University programs. Copies of the accreditation documents are available upon request. (See [Accreditation](#).)

Student Responsibilities

1. You are responsible for obtaining all the forms required to apply for the type of assistance you wish to receive. You must complete all application forms accurately and submit them on time to the right place.
2. You must provide correct information. In most instances, misreporting information on financial aid application forms is a violation of law and may be considered a criminal offense that could result in indictment under the United States criminal code.
3. You must return all additional documentation, verification, corrections, and/or new information requested by either the Financial Aid Office or the agency to which you submitted your application on a timely basis.
4. You are responsible for reading and understanding all forms you are asked to sign and for keeping copies of them.
5. You must accept responsibility for all agreements you sign.
6. You must do the work agreed upon in accepting a workstudy award.
7. You must be aware of and comply with deadlines for application or reapplication for aid.
8. You are responsible for reporting changes that might affect your eligibility for financial aid including:
 1. change in address (completed in Anchor Access) or type of residency (e.g., dorm to commuter)
 2. changes in enrollment status (e.g., dropping classes or withdrawing)
 3. changes in marital status
 4. all non-LSSU aid received.
9. If you have a loan, you are required to repay it and notify your lender of changes in name or address. You should also know the name and address of your lender.
10. Be aware of your school's [refund procedures](#).
11. All schools must provide information to prospective students about the school's programs and performance. You should consider this information carefully before deciding to attend.

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Campus History

Established in 1946 to address the needs of returning World War II veterans and to provide educational opportunities to the people of the Eastern Upper Peninsula, Lake Superior State University still embodies the essence of the early days. A personal education in a safe and friendly environment remains a hallmark of today's LSSU.

Our beautiful 115-acre campus overlooks the Michigan and Ontario twin cities of Sault Ste. Marie, the St. Mary's River, and the world famous Soo Locks. The school is located at the beginning of Interstate 75 which ends in the Florida Keys.

The campus served as Ft. Brady starting in 1894 after the fort was relocated from the banks of the St. Mary's. The fort was deactivated in 1944 and, thanks to the efforts of local volunteers and leadership at Michigan College of Mining & Technology in Houghton, opened in the fall of that year as the Sault Ste. Marie Residence Center of MCMT.

The Sault Branch was rechristened Lake Superior State College of Michigan Technical University in 1966. Autonomy arrived for LSSC in 1970. University status was granted in 1987 to the state's smallest public institution of higher learning. Enrollment has grown from the original class of 272 to more than 2,900 students.

There are 14 buildings on the National Historic Register contributing to the University's sense of tradition. This unique architectural blend is a reminder of the "weapons to plowshares" history of the setting.

Community: Sault Ste. Marie (pop. 14,000) is one of the oldest cities in North America, having begun as a fur trading center in the early 17th century. A Jesuit mission was established here in 1641, and Father Marquette founded the first permanent settlement 27 years later, within the boundaries of what was to become Michigan. The Sault celebrated its 300th birthday in 1968.

Our sister city, Sault Ste. Marie, Ontario, is a cultural, recreational, social and entertainment center. The combined population of the Twin Saults (80,000) allows for an international flavor abounding with the opportunities of a city, and the safety and comfort of a small town.

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Equal Opportunity

Notice of Lake Superior State University's policy of compliance with federal and state law

Policy

The University is an equal opportunity employer and educator and prohibits discrimination, including harassment, on the basis of race, color, national origin or ancestry, gender, age, disability, religion, height, weight, sexual preference, marital status, or veteran status.

In carrying out this policy, the University complies with all federal and state laws and regulations prohibiting discrimination including:

Executive Order 11246, the Elliott-Larsen Civil Rights Act of 1976, Title VI of the Civil Rights Act of 1964, The Equal Pay Act of 1963, Title VII of the Civil Rights Act of 1964, as amended by the Equal Employment Opportunity Act of 1972, and the Pregnancy Discrimination Act of 1978, Title IX of the Education Amendments of 1972, Titles VII and VIII of the Public Health Service Act, Age Discrimination in Employment Act of 1967, Sections 503 and 504 of the Rehabilitation Act of 1973, Veteran's Assistance Act of 1972, and Title II of the Americans with Disabilities Act of 1990.

Sexual Harassment

The University is committed to a policy of nondiscrimination on the basis of gender. Discrimination because of gender includes sexual harassment, which means unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct or communication of a sexual nature when:

1. Submission to such conduct or communication is made a term or condition either explicitly or implicitly to obtain employment, public accommodations or public services, education, or housing;
2. Submission to or rejection of such conduct or communication by an individual is used as a factor in decisions affecting such individual's employment, public accommodations or public services, education, or housing; or
3. Such conduct or communication has the purpose or effect of substantially interfering with an individual's employment, public accommodations or public services, education, or housing environment.

The University is committed to the protection of the rights of all individuals and to the elimination of barriers that would prevent individuals from realizing their highest potential of human excellence. Sexual harassment is a particularly noxious form of discrimination that interferes with these goals and commitments, and is difficult to combat due to the intimidation and destruction of self esteem of its victims.

Grievance Officer

The Equal Employment Opportunity Officer/Affirmative Action Officer (EEO Officer)

is the designated grievance officer for discrimination complaints. If any person believes that he or she has been subjected to discrimination, including harassment by unlawful and unacceptable expressions, acts, attitudes and/or behaviors based on race, color, national origin or ancestry, gender, age, disability, religion, height, weight, sexual preference, marital status, or veteran status, he or she should contact the Associate Vice President for Human Resources/EEO Officer, Lake Superior State University Administration Building, Sault Ste. Marie, Michigan 49783 (906-635-2697) within sixty (60) working days of the action of which the person complains.

Process

1. The University encourages all individuals to promptly report instances of discrimination and discriminatory harassment. Once the University has been informed of such behavior, it will take timely and appropriate steps to investigate the problem. At any step of the grievance process, time schedules as outlined in the process may be extended by mutual agreement in writing.
2. With the Grievance Officer, individuals may discuss concerns they may have regarding possible discrimination or harassment to learn what options are available.
3. Nonretaliation: The University not only prohibits discrimination, including harassment, but also strictly prohibits any retaliation against any individual, who, in good faith, has registered a complaint under this procedure. Any supervisor, agent, or employee of the University who, after investigation, has been determined to have retaliated against any individual for using the complaint procedure in this policy, will be subject to appropriate discipline up to and including immediate discharge. If an individual believes he or she has been retaliated against for exercising his or her rights under this policy, the individual should use this complaint procedure.
4. All matters discussed in this process will be kept as confidential as possible.
5. If an individual is dissatisfied with the University's investigation process or resolution, he or she may file complaints of illegal discrimination on the basis of gender (Title IX and Title VI) or disability (Section 504 and Title II of the ADA) with the Office for Civil Rights, U.S. Department of Education, Chicago, IL 60605. A Title IX, Title VI, Section 504, or Title II ADA complaint must be filed in writing with the Office for Civil Rights no later than 180 days after the occurrence of the possible discrimination.
6. Individuals have the right under the law to seek remedies from the Michigan Department of Civil Rights, the Equal Employment Opportunity Commission, the Office for Civil Rights, U.S. Department of Education or by court action at the same time a grievance is filed under the University's procedure, during or after the use of the grievance process, or without using the grievance process at all.

STEP 1: Informal Complaint

Any individual (complainant) with a discrimination or harassment complaint, may contact the Grievance Officer in person.

The Grievance Officer will speak with the complainant and try to resolve the matter on an informal basis. At Step 1, all information will be kept confidential to the extent possible.

STEP 2: Formal Complaint

If the problem cannot be resolved at Step 1 within five (5) working days from the date of first contact with the Grievance Officer, the complainant may submit a written complaint on a form provided by the Grievance Officer. The Grievance Officer will help the complainant complete the form if the complainant requests.

Within five (5) working days of the receipt of the written complaint, the Grievance Officer will send a Notice of Complaint, a copy of the complaint form, a response form and a copy of this procedure to the respondent. The respondent will submit the completed response form within five (5) working days from the date the complaint is received by the respondent.

The Grievance Officer will conduct an investigation. The investigation should be completed within twenty (20) working days after receipt of the response. If the complaint is against the University as the Employer, the Grievance Officer will have thirty (30) days from the receipt of the written complaint to investigate the matter.

Within ten (10) working days of completion of the investigation, the Grievance Officer will issue to the complainant and to the respondent a written Determination stating whether the allegations of the complaint are true and any remedial action recommended.

At Step 2, information will be kept confidential to the extent possible.

STEP 3: Hearing

If either the complainant or the respondent is dissatisfied with the Grievance Officer's determination, he or she may request that the matter be referred to a Hearing Panel for a hearing by submitting the form obtained from the Grievance Officer. The request for hearing must be submitted in writing to the Grievance Officer within five (5) working days after receipt of the Determination.

The President will appoint a permanent Hearing Panel composed of three members including, if possible, at least one female and one minority member. The vice president for business and financial operations will be the chairperson and will conduct the hearing.

The Grievance Officer will send a Notice of Hearing and a copy of the Request for Hearing to the complainant, respondent (if any), and Hearing Panel, scheduling the hearing within fifteen (15) working days, unless the Panel Chairperson provides otherwise and so notifies those involved.

At the hearing, the complainant and respondent will be allowed to give their own testimony, present the testimony of witnesses, documentary evidence or other evidence relevant to the proceedings and cross-examine the other party's witnesses. The complainant and respondent may have an attorney or other advisor present. The Grievance Officer will present the findings of the investigation conducted at Step 2 and may present witnesses, if appropriate. To ensure the privacy of those involved, witnesses (other than the complainant and respondent) will be allowed in the hearing room only during their testimony. At the Chairperson's discretion, the hearing may be recorded.

Within fifteen (15) working days after completion of the hearing, the Chairperson will issue the Decision and recommended order of the Hearing Panel. The Decision will be mailed to the complainant and respondent with a copy to the Grievance Officer. The Chairperson will implement any action recommended by the Panel.

STEP 4: Appeal

The decision of the Hearing Panel will be final and binding. If grievants wish to pursue the matter further, they may file with the outside agencies listed in Policy section, No. 5. and 6.

Section 5.02 of the by-laws of the Board of Trustees, approved July 24, 1989, will

not be invoked for grievances submitted for settlement under this procedure.

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Regional Centers



Lake Superior State University offers bachelor degree-completion programs at our regional centers that build on your education from your community college. This approach allows you to complete your degree at a reasonable cost and close to home.

All degrees require completion of general education core requirements. For students transferring from a Michigan community college who have the "MACRAO stamp" on their transcripts, the general education core requirements are considered met by LSSU. Generally, MACRAO certification requires six credits of English, eight credits of social science, eight credits of humanities and eight credits of natural science and mathematics. Students transferring from a Michigan community college following the Michigan Transfer Agreement (MTA) will have met 30 credits of the General Education Core Requirements. Students will still be expected to complete a cultural diversity course (minimum of 3 credits) as well as an additional course in ENGL or COMM to total at least one year of composition and one semester of communication.

We are proud of the high-quality instruction and the personal attention LSSU offers. Our small class sizes, experienced faculty and the ability to pursue your educational dreams close to home are what the LSSU regional centers are all about.

Stop by one of our regional centers for assistance in planning your educational goals. We can help answer your questions in areas of admissions requirements, scholarship/financial aid, academics, course rotations, registration and more.

Escanaba/Iron Mountain Regional Center

Heidi Baumgartner, Director

Escanaba Regional Center

Bay College

2001 N Lincoln Road - Heirman Center #942

Escanaba, MI 49829

Phone: 906-217-4123

E-mail: hbaumgartner@lssu.edu

Website: <http://www.lssu.edu/admissions/regional/escanaba.php>

Completion Programs are available for the following degrees:

- Accounting
- Business Administration with a declared minor (Accounting/Finance, Marketing, International Business-also available in Iron Mountain)
- Business Administration - Entrepreneurship
- Business Administration - International Business
- Business Administration - Management
- Criminal Justice - Corrections with Law Enforcement Minor
- Criminal Justice - Generalist
- Criminal Justice - Law Enforcement

- Early Childhood Education
- Early Childhood Education - Teaching Minor (ZS Endorsement)
- General Studies
- Individualized Studies
- Nursing – Completion Program

Gaylord Regional Center


University Center

80 Livingston Blvd

Gaylord, MI 49735

Phone: 989-705-3791

E-mail: hbaumgartner@lssu.edu

Website: <http://www.lssu.edu/admissions/regional/gaylord.php> 

Completion Programs are available for the following degrees:

- Business Administration - Management
- Criminal Justice - Generalist
- Criminal Justice – Law Enforcement

Petoskey Regional Center


North Central Michigan College

1515 Howard Street, Room 48

Petoskey, MI 49770

Phone: 231-348-6623

E-mail: hbaumgartner@lssu.edu

Website: <http://www.lssu.edu/admissions/regional/petoskey.php> 

Completion Programs are available for the following degrees:

- Accounting
- Business Administration
- Business Administration - Entrepreneurship
- Business Administration - Management
- Criminal Justice – Generalist
- Criminal Justice – Law Enforcement
- Early Childhood Education
- General Studies
- Individualized Studies
- Nursing Completion

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Code of Ethics

- We value a personal approach to education which provides the student access to faculty and staff — education provided in a small collegial atmosphere.
- We value our high quality academic programs which provide practical, technical education with the liberal arts tradition.
- We value a supportive, caring environment exemplified by mutual trust and respect and where each individual has worth through a holistic, student-centered focus. We respect not only the rights but the feelings of others.
- We value the exploration of new paradigms and the creative energy needed to stay at the forefront of knowledge.
- We value systematic assessment of all aspects of the University's operation and constructive improvements based on these evaluations.
- We value our public service role. "Enter to learn, go forth to serve" is a traditional motto at Lake Superior State University.
- We value our collaborative partnerships characterized by high ethical standards with international colleagues, businesses, other educational institutions, community organizations, regional contacts and governmental entities.
- We value our unique geographical setting with its natural beauty and its international focus.
- We value the educational opportunities which are provided in a safer environment.
- We value the University's physical plant with its historical buildings which are both state and national treasures.
- We value a work ethic which emphasizes productive time-on-task, diligence, ethical behavior and responsibility in the student's personal development.
- We value our extracurricular, co-curricular programs and activities which contribute to the students' personal and professional growth.
- We value an environment which celebrates diversity and focuses on the value of each individual's contribution to the general welfare.
- We value the alumni and friends of the University who provide inspiration, loyalty and support.
- We value decisions which are in the best interests of the University and its students.

Expectations for Student Learning

Lake Superior State University utilizes a Student Academic Achievement Plan developed by the faculty to enhance continuous quality improvement and to meet the Assessment Initiative of the Higher Learning Commission of the North Central Association of Colleges and Schools. The intent of this plan is to document student learning at Lake Superior State University both in the major program and across the general education requirements. This continuous evaluation process works to assure high quality teaching and effective student learning. The faculty at Lake Superior State University have collectively agreed upon the characteristics of the educated person the institution hopes to graduate and have identified outcomes that can be used to document these attributes. The following are areas that the

faculty have deemed essential to a liberal education and have value for the students in their lives as responsible citizens: communication skills, mathematics, cultural diversity, humanities, and social and natural science. Students who complete the general education courses at Lake Superior State University will be able to demonstrate attributes of the general education outcomes.

Students attending Lake Superior State University can expect commitment by the University to document and enhance student learning. Through the assessment process, the University demonstrates its commitment to improving student learning and ensures that when students graduate they have attained specific attributes and abilities.

Lake Superior State University expects a commitment on the part of its students to actively participate in the learning process.

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Lake Superior State University is accredited by the following agencies:

- The Higher Learning Commission, 230 S. LaSalle Street, Suite 7-500, Chicago, IL 60604-1413. Phone: 312-263-0456; 800-621-7440. Fax: 312-263-7462. www.ncahigherlearningcommission.org
- The Athletic Training Education Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), 2201 Double Creek Drive, Suite 5006, Round Rock, TX 78864. Phone: 512-733-9700. Fax: 512-733-9701. www.caate.net
- The Bachelor of Science in Chemistry is approved by The American Chemical Society Committee on Professional Training, 1155 Sixteenth Street, N.W., Washington, DC 20036. Phone: 202-872-4589. Fax: 202-872-6066. Email: cpt@acs.org www.acs.org/cpt
- The Bachelor of Science in Environmental Health is accredited by:
 - National Environmental Health Science and Protection Accreditation Council (EHAC), 8620 Roosevelt Way NE Suite A, Seattle, WA 98115. Phone: 206-522-5272. Email: ehacinfo@aehap.org. www.ehacoffice.org.
 - Canadian Institute of Public Health Inspectors (CIPHI) National, #720-999 W. Broadway, Vancouver, BC V5Z 1K5, (604) 739-8180. Email: questions@ciphi.ca. www.ciphi.ca.
- The Bachelor of Science in Fire Science is approved by the International Fire Service Accreditation Congress, 1700 West Tyler, Oklahoma State University, Stillwater, OK 74078. Phone: 405-744-8303. www.ifsac.org
- The Bachelor of Science in Nursing is approved by the Michigan Board of Nursing and is accredited by the Accreditation Commission for Evaluation in Nursing (ACEN), 3343 Peachtree Road NE, Suite 500, Atlanta, GA 30326. Phone: 404-975-5000. Fax: 404-975-5020. <http://www.acenursing.org>
- The bachelor's program in Manufacturing Engineering Technology is accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, 415 North Charles Street, Baltimore, MD 21201. Phone: 410-347-7700. www.abet.org
- The computer, electrical and mechanical engineering bachelor's programs are accredited by the Engineering Accreditation Commission (EAC) of ABET, 415 North Charles Street, Baltimore, MD 21201. Phone: 410-347-7700.



www.abet.org 

- The Elementary and Secondary Education Programs are approved by the Michigan Department of Education, 608 W Allegan Street, PO Box 30008, Lansing, MI 48909. Phone: 517-373-3324. www.michigan.gov/mde 
- The Teacher Education Program has been awarded TEAC initial accreditation by the Inquiry Brief Commission of Council for the Accreditation of Educator Preparation (CAEP), 1140 19th Street, NW, Suite 400, Washington, DC 20036, Phone: 202-223-0077. Email: caep@caepnet.org caepnet.org 

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7. You must be aware of and comply with deadlines for application or reapplication for aid.
8. You are responsible for reporting changes that might affect your eligibility for financial aid including:
 1. change in address (completed in Anchor Access) or type of residency (e.g., dorm to commuter)
 2. changes in enrollment status (e.g., dropping classes or withdrawing)
 3. changes in marital status
 4. all non-LSSU aid received.
9. If you have a loan, you are required to repay it and notify your lender of changes in name or address. You should also know the name and address of your lender.
10. Be aware of your school's [refund procedures](#).
11. All schools must provide information to prospective students about the school's programs and performance. You should consider this information carefully before deciding to attend.

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Campus History

Established in 1946 to address the needs of returning World War II veterans and to provide educational opportunities to the people of the Eastern Upper Peninsula, Lake Superior State University still embodies the essence of the early days. A personal education in a safe and friendly environment remains a hallmark of today's LSSU.

Our beautiful 115-acre campus overlooks the Michigan and Ontario twin cities of Sault Ste. Marie, the St. Mary's River, and the world famous Soo Locks. The school is located at the beginning of Interstate 75 which ends in the Florida Keys.

The campus served as Ft. Brady starting in 1894 after the fort was relocated from the banks of the St. Mary's. The fort was deactivated in 1944 and, thanks to the efforts of local volunteers and leadership at Michigan College of Mining & Technology in Houghton, opened in the fall of that year as the Sault Ste. Marie Residence Center of MCMT.

The Sault Branch was rechristened Lake Superior State College of Michigan Technical University in 1966. Autonomy arrived for LSSC in 1970. University status was granted in 1987 to the state's smallest public institution of higher learning. Enrollment has grown from the original class of 272 to more than 2,900 students.

There are 14 buildings on the National Historic Register contributing to the University's sense of tradition. This unique architectural blend is a reminder of the "weapons to plowshares" history of the setting.

Community: Sault Ste. Marie (pop. 14,000) is one of the oldest cities in North America, having begun as a fur trading center in the early 17th century. A Jesuit mission was established here in 1641, and Father Marquette founded the first permanent settlement 27 years later, within the boundaries of what was to become Michigan. The Sault celebrated its 300th birthday in 1968.

Our sister city, Sault Ste. Marie, Ontario, is a cultural, recreational, social and entertainment center. The combined population of the Twin Saults (80,000) allows for an international flavor abounding with the opportunities of a city, and the safety and comfort of a small town.

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Equal Opportunity

Notice of Lake Superior State University's policy of compliance with federal and state law

Policy

The University is an equal opportunity employer and educator and prohibits discrimination, including harassment, on the basis of race, color, national origin or ancestry, gender, age, disability, religion, height, weight, sexual preference, marital status, or veteran status.

In carrying out this policy, the University complies with all federal and state laws and regulations prohibiting discrimination including:

Executive Order 11246, the Elliott-Larsen Civil Rights Act of 1976, Title VI of the Civil Rights Act of 1964, The Equal Pay Act of 1963, Title VII of the Civil Rights Act of 1964, as amended by the Equal Employment Opportunity Act of 1972, and the Pregnancy Discrimination Act of 1978, Title IX of the Education Amendments of 1972, Titles VII and VIII of the Public Health Service Act, Age Discrimination in Employment Act of 1967, Sections 503 and 504 of the Rehabilitation Act of 1973, Veteran's Assistance Act of 1972, and Title II of the Americans with Disabilities Act of 1990.

Sexual Harassment

The University is committed to a policy of nondiscrimination on the basis of gender. Discrimination because of gender includes sexual harassment, which means unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct or communication of a sexual nature when:

1. Submission to such conduct or communication is made a term or condition either explicitly or implicitly to obtain employment, public accommodations or public services, education, or housing;
2. Submission to or rejection of such conduct or communication by an individual is used as a factor in decisions affecting such individual's employment, public accommodations or public services, education, or housing; or
3. Such conduct or communication has the purpose or effect of substantially interfering with an individual's employment, public accommodations or public services, education, or housing environment.

The University is committed to the protection of the rights of all individuals and to the elimination of barriers that would prevent individuals from realizing their highest potential of human excellence. Sexual harassment is a particularly noxious form of discrimination that interferes with these goals and commitments, and is difficult to combat due to the intimidation and destruction of self esteem of its victims.

Grievance Officer

The Equal Employment Opportunity Officer/Affirmative Action Officer (EEO Officer)

is the designated grievance officer for discrimination complaints. If any person believes that he or she has been subjected to discrimination, including harassment by unlawful and unacceptable expressions, acts, attitudes and/or behaviors based on race, color, national origin or ancestry, gender, age, disability, religion, height, weight, sexual preference, marital status, or veteran status, he or she should contact the Associate Vice President for Human Resources/EEO Officer, Lake Superior State University Administration Building, Sault Ste. Marie, Michigan 49783 (906-635-2697) within sixty (60) working days of the action of which the person complains.

Process

1. The University encourages all individuals to promptly report instances of discrimination and discriminatory harassment. Once the University has been informed of such behavior, it will take timely and appropriate steps to investigate the problem. At any step of the grievance process, time schedules as outlined in the process may be extended by mutual agreement in writing.
2. With the Grievance Officer, individuals may discuss concerns they may have regarding possible discrimination or harassment to learn what options are available.
3. Nonretaliation: The University not only prohibits discrimination, including harassment, but also strictly prohibits any retaliation against any individual, who, in good faith, has registered a complaint under this procedure. Any supervisor, agent, or employee of the University who, after investigation, has been determined to have retaliated against any individual for using the complaint procedure in this policy, will be subject to appropriate discipline up to and including immediate discharge. If an individual believes he or she has been retaliated against for exercising his or her rights under this policy, the individual should use this complaint procedure.
4. All matters discussed in this process will be kept as confidential as possible.
5. If an individual is dissatisfied with the University's investigation process or resolution, he or she may file complaints of illegal discrimination on the basis of gender (Title IX and Title VI) or disability (Section 504 and Title II of the ADA) with the Office for Civil Rights, U.S. Department of Education, Chicago, IL 60605. A Title IX, Title VI, Section 504, or Title II ADA complaint must be filed in writing with the Office for Civil Rights no later than 180 days after the occurrence of the possible discrimination.
6. Individuals have the right under the law to seek remedies from the Michigan Department of Civil Rights, the Equal Employment Opportunity Commission, the Office for Civil Rights, U.S. Department of Education or by court action at the same time a grievance is filed under the University's procedure, during or after the use of the grievance process, or without using the grievance process at all.

STEP 1: Informal Complaint

Any individual (complainant) with a discrimination or harassment complaint, may contact the Grievance Officer in person.

The Grievance Officer will speak with the complainant and try to resolve the matter on an informal basis. At Step 1, all information will be kept confidential to the extent possible.

STEP 2: Formal Complaint

If the problem cannot be resolved at Step 1 within five (5) working days from the date of first contact with the Grievance Officer, the complainant may submit a written complaint on a form provided by the Grievance Officer. The Grievance Officer will help the complainant complete the form if the complainant requests.

Within five (5) working days of the receipt of the written complaint, the Grievance Officer will send a Notice of Complaint, a copy of the complaint form, a response form and a copy of this procedure to the respondent. The respondent will submit the completed response form within five (5) working days from the date the complaint is received by the respondent.

The Grievance Officer will conduct an investigation. The investigation should be completed within twenty (20) working days after receipt of the response. If the complaint is against the University as the Employer, the Grievance Officer will have thirty (30) days from the receipt of the written complaint to investigate the matter.

Within ten (10) working days of completion of the investigation, the Grievance Officer will issue to the complainant and to the respondent a written Determination stating whether the allegations of the complaint are true and any remedial action recommended.

At Step 2, information will be kept confidential to the extent possible.

STEP 3: Hearing

If either the complainant or the respondent is dissatisfied with the Grievance Officer's determination, he or she may request that the matter be referred to a Hearing Panel for a hearing by submitting the form obtained from the Grievance Officer. The request for hearing must be submitted in writing to the Grievance Officer within five (5) working days after receipt of the Determination.

The President will appoint a permanent Hearing Panel composed of three members including, if possible, at least one female and one minority member. The vice president for business and financial operations will be the chairperson and will conduct the hearing.

The Grievance Officer will send a Notice of Hearing and a copy of the Request for Hearing to the complainant, respondent (if any), and Hearing Panel, scheduling the hearing within fifteen (15) working days, unless the Panel Chairperson provides otherwise and so notifies those involved.

At the hearing, the complainant and respondent will be allowed to give their own testimony, present the testimony of witnesses, documentary evidence or other evidence relevant to the proceedings and cross-examine the other party's witnesses. The complainant and respondent may have an attorney or other advisor present. The Grievance Officer will present the findings of the investigation conducted at Step 2 and may present witnesses, if appropriate. To ensure the privacy of those involved, witnesses (other than the complainant and respondent) will be allowed in the hearing room only during their testimony. At the Chairperson's discretion, the hearing may be recorded.

Within fifteen (15) working days after completion of the hearing, the Chairperson will issue the Decision and recommended order of the Hearing Panel. The Decision will be mailed to the complainant and respondent with a copy to the Grievance Officer. The Chairperson will implement any action recommended by the Panel.

STEP 4: Appeal

The decision of the Hearing Panel will be final and binding. If grievants wish to pursue the matter further, they may file with the outside agencies listed in Policy section, No. 5. and 6.

Section 5.02 of the by-laws of the Board of Trustees, approved July 24, 1989, will

not be invoked for grievances submitted for settlement under this procedure.

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Regional Centers

Lake Superior State University offers bachelor degree-completion programs at our regional centers that build on your education from your community college. This approach allows you to complete your degree at a reasonable cost and close to home.

All degrees require completion of general education core requirements. For students transferring from a Michigan community college who have the "MACRAO stamp" on their transcripts, the general education core requirements are considered met by LSSU. Generally, MACRAO certification requires six credits of English, eight credits of social science, eight credits of humanities and eight credits of natural science and mathematics. Students transferring from a Michigan community college following the Michigan Transfer Agreement (MTA) will have met 30 credits of the General Education Core Requirements. Students will still be expected to complete a cultural diversity course (minimum of 3 credits) as well as an additional course in ENGL or COMM to total at least one year of composition and one semester of communication.

We are proud of the high-quality instruction and the personal attention LSSU offers. Our small class sizes, experienced faculty and the ability to pursue your educational dreams close to home are what the LSSU regional centers are all about.

Stop by one of our regional centers for assistance in planning your educational goals. We can help answer your questions in areas of admissions requirements, scholarship/financial aid, academics, course rotations, registration and more.

Escanaba/Iron Mountain Regional Center

Heidi Baumgartner, Director

Escanaba Regional Center

Bay College

2001 N Lincoln Road - Heirman Center #942

Escanaba, MI 49829

Phone: 906-217-4123

E-mail: hbaumgartner@lssu.edu

Website: <http://www.lssu.edu/admissions/regional/escanaba.php> 

Completion Programs are available for the following degrees:

- Accounting
- Business Administration with a declared minor (Accounting/Finance, Marketing, International Business-also available in Iron Mountain)
- Business Administration - Entrepreneurship
- Business Administration - International Business
- Business Administration - Management
- Criminal Justice - Corrections with Law Enforcement Minor
- Criminal Justice - Generalist
- Criminal Justice - Law Enforcement

- Early Childhood Education
- Early Childhood Education - Teaching Minor (ZS Endorsement)
- General Studies
- Individualized Studies
- Nursing – Completion Program

Gaylord Regional Center


University Center

80 Livingston Blvd

Gaylord, MI 49735

Phone: 989-705-3791

E-mail: hbaumgartner@lssu.edu

Website: <http://www.lssu.edu/admissions/regional/gaylord.php> 

Completion Programs are available for the following degrees:

- Business Administration - Management
- Criminal Justice - Generalist
- Criminal Justice – Law Enforcement

Petoskey Regional Center

North Central Michigan College

1515 Howard Street, Room 48

Petoskey, MI 49770

Phone: 231-348-6623

E-mail: hbaumgartner@lssu.edu

Website: <http://www.lssu.edu/admissions/regional/petoskey.php> 

Completion Programs are available for the following degrees:

- Accounting
- Business Administration
- Business Administration - Entrepreneurship
- Business Administration - Management
- Criminal Justice – Generalist
- Criminal Justice – Law Enforcement
- Early Childhood Education
- General Studies
- Individualized Studies
- Nursing Completion

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The Lake Superior State Board of Trustees' Grant Program

This program provides assistance to incoming and currently enrolled students based on financial need. The grant is considered a form of "priority aid", requiring the on-time filing of the FAFSA each year by March 1st. Recipients must be Michigan residents and enrolled full time in Lake Superior State University classes.

Federal Pell Grant

All students filing the FAFSA are automatically reviewed for Pell Grant eligibility. Pell Grants provide assistance to which other forms of aid may be added.

Pell Grant amounts vary according to the year (\$605-\$5645 for 2013-14) and number of credits enrolled in each semester.

To be eligible for a Pell Grant, students must:

1. be determined to have financial need.
2. be undergraduates accepted for admission and enrolled in eligible programs and meet satisfactory academic progress standards.
3. be U.S. citizens or permanent residents or qualified Jay Treaty students.
4. not be in default on a Federal Direct Stafford or Perkins Loan, and not owe a refund for a Pell Grant or other federal aid.
5. not be disqualified due to prior drug offense convictions.

There is a limit to the total amount of Federal Pell Grant that a student may receive in their lifetime, which is the equivalent to 6 school years.

Although awards are made through the University, the U.S. Department of Education determines eligibility. The University Financial Aid Office uses a standard procedure established by the Department of Education to calculate the award.

To apply, complete the Free Application for Federal Student Aid (FAFSA). Forms are available at high schools, colleges and financial aid offices or online at www.fafsa.gov.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The Higher Education Act of 1965 created this program of financial assistance to help college students with the greatest financial need. Supplemental Educational Opportunity Grants may be used to meet all or part of student financial need (up to \$1000 in any one year).

Financial need is the primary consideration in the selection of grant recipients.

Priority is given to the neediest Pell Grant recipients. Recipients are selected from those applying for all forms of financial aid by using the FAFSA.

FSEOG is a priority fund that is distributed first to students who file their FAFSA by March 1st.

Recipients of this award must reapply each year and maintain the regular satisfactory academic progress standards to be considered for a renewal award.

Federal Occupational Education Program (OCED)

The Perkins Grant Program provides OCED funding for students with demonstrated financial need, as determined by filing the Free Application for Federal Student Aid (FAFSA), and who are enrolled in certain associate's degree programs. Students who qualify for the Federal Pell Grant and have earned less than 72 credits will automatically be considered if enrolled in one of the following associate's degrees:

- Criminal Justice - Corrections
- Criminal Justice - Law Enforcement
- Early Childhood Education
- Fire Science
- Health Care Provider
- Manufacturing Engineering Technology
- Natural Resource Technology
- Small Business Administration
- Substance Abuse Prevention and Treatment
- Technical Accounting

This grant provides supplemental funding for qualified students and may be prorated for less than full-time attendance.

Michigan Tuition Incentive Program (TIP)

The Tuition Incentive Program (TIP) is an incentive program that encourages eligible students to complete high school by providing tuition assistance for the first two years of college and beyond. To meet the financial eligibility requirement, a student must have (or have had) Medicaid coverage for 24 months within a 36-consecutive-month period as identified by the Michigan Department of Human Services (DHS). TIP provides assistance in two phases:

Phase I covers tuition and mandatory fee charges for eligible students enrolled in a credit-based associate degree or certificate program at participating Michigan community college, public university, degree-granting independent college, federal tribally-controlled college, or Focus: HOPE.

Phase II provides a maximum of \$2,000 total tuition assistance for credits earned in a four-year program at an in-state, degree-granting college or university.

Awards are subject to legislative changes.

Vocational Rehabilitation

The Michigan Jobs Commission Rehabilitation Services provides services and financial assistance to persons with any disability that has interfered with, or may interfere with, the individual's job performance. Students must apply for financial aid and have need.

Further information may be obtained by contacting your nearest Michigan Rehabilitation Services Office of Michigan Jobs Commission.

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Loans

Federal Perkins Loan

The Federal Carl Perkins Loan program is for students enrolled at least half time in an eligible program who need a loan to meet educational expenses.

Students may borrow up to \$5,500 for each year of undergraduate study. The lifetime loan limit for undergraduates is \$27,500. The amount awarded by the University is generally less due to limited funds.

Repayment begins nine months after students graduate or drop below half-time enrollment. There is a 10-year pay back period, at five percent interest on the unpaid balance of the loan principal.

The amount of the repayment depends on the size of the debt and ability to pay. In most cases, students must pay at least \$40 a month. Any agreement for a lesser amount must be attributable to extraordinary circumstances such as prolonged unemployment.

Default: If a student defaults on a Perkins Loan and the school is unable to collect, the federal government will take action to recover the loan. In cases of bankruptcy, total or permanent disability or death, loan obligations are canceled.

Deferment of payment is available if:

1. you are enrolled and attending as at least a half-time student at an institution of higher education.
2. for any period not to exceed three (3) years you :
 1. are unable to find full-time employment.
 2. are experiencing economic hardship.
 3. are active in certain military service.

Cancellation: Loans may be canceled for:

1. certain types of teaching,
2. full-time qualified provider of early intervention services for the disabled,
3. full-time nurse or medical technician,
4. full-time law enforcement or corrections officer, firefighters,
5. death or disability of the student,
6. full-time staff of Head Start Educational Program,
7. full-time provider of services to high-risk children at a child or family service agency,
8. certain military service,
9. public defenders,
10. certain speech pathologists,
11. certain librarians,

12. faculty member at a tribal college,
13. volunteer service.

Federal Direct Stafford Loan (Student)

Qualified applicants must be a United States citizen or eligible alien. Students may borrow up to \$5,500 the first year of undergraduate study, \$6,500 as a sophomore and \$7,500 as a junior or senior. The lifetime maximum amount is \$31,000 for dependent students and \$57,500 for independent undergraduate students.

The student loan program is administered through the Financial Aid Office under the Direct Loan Program. A loan fee is charged on all loans, under federal law. Loans are disbursed in two equal disbursements (one-half in the fall semester; one-half in the spring semester).

Subsidized loans are eligible for federal interest benefits. For subsidized loans, the federal government does not charge interest while attending school at least half-time, during the six-month grace period, and during deferments (postponements of repayments). Financial need must be shown to receive this type of loan.

For students without financial need, the Direct Loan Program offers Direct Unsubsidized Loans. The federal government charges interest on these loans while attending school, in the grace period, and in deferment.

Once enrolled at Lake Superior State University, students must meet the satisfactory progress standards to be eligible for additional loans. Students must file a Free Application for Federal Student Aid (FAFSA) each year to qualify for a student loan.

Repayment begins six months after graduation or the date the student attends school less than half-time. Interest rates are set each June for the following academic year.

Federal Direct PLUS Loan (Parent)

Parents may borrow up to the difference between the cost of education and other financial aid for which the student is eligible. The interest rate is adjusted annually for new loans; the 2013/14 fixed interest rate is 7.9%.

Students must meet the satisfactory progress standards to be eligible and must file a Free Application for Federal Student Aid (FAFSA) each year to obtain a Federal Direct PLUS loan.

An origination fee is deducted from each of two disbursements made in a school year. Repayment begins within 60 days of disbursements, or may be deferred until six months after student graduates or drops below half time. Interest rates are set each June for the following academic year.

Federal Nursing Student Loan

The Nursing Education Loan Program provides loans of up to \$5200 a year for bachelor's degree or completion nursing programs. Payment assistance is available by annual application to the Department of Health and Human Services at hrsa.gov/loanscholarships/repayment. Eligibility requirements include United States citizenship, enrollment of at least half-time and demonstrated financial need.

Federal TEACH Loan Forgiveness Program

The TEACH Grant is a Loan Forgiveness Program for students who plan to become teachers in certain fields and for teachers who are seeking a graduate degree.

Qualified students may borrow up to \$4,000 per year if full time, prorated for part time.

Maximum of \$16,000 for undergraduate student.

Maximum of \$8,000 for Masters with lifetime limit of \$24,000.

Award becomes an unsubsidized federal student loan with interest accruing from initial point of disbursement if student does not meet forgiveness criteria within eight years.

Qualifications:

1. Student must be admitted into an approved major- see list on website @ www.lssu.edu/finaid/teachlist.php.
2. Student must have scored above 75th percentile on admissions test or Graduate Records Exam (GRE). Submit a copy of your original ACT results clearly showing your score above the 75th percentile.
3. Student who did not meet the test criteria must have a cumulative GPA of 3.25 or higher.
4. If qualified by GPA, must meet that minimum each semester.
5. Student must complete Entrance Counseling, Interim and Exit Counseling.
6. Student must complete Agreement to Serve each year.

Criteria for forgiveness of loan for students:

1. Must complete four years of teaching within eight years of finishing program.
2. Must perform teach service as a highly-qualified teacher.
3. Must teach in a high-need subject area for at least four years at a school serving low-income students.
4. Must be a full-time teacher with majority of time spent teaching one of the high need subjects:
 1. Bilingual Education and English Language Acquisition
 2. Foreign Language
 3. Mathematics
 4. Reading Specialist
 5. Science
 6. Special Education
 7. Other teacher shortage areas documented as high need by Federal, State or local education agency and listed in Department of Education Annual Teacher Shortage Area Nationwide at the time the student begins teaching.

Canada Student Loan

Canadian students who need financial help to earn a degree at Lake Superior State University may apply for aid through the Ontario Student Assistance Program (OSAP).

To qualify for a loan, the student must:

1. be a Canadian citizen or have landed immigrant status;
2. be a resident of a province that participates in the plan;
3. have attained a satisfactory scholastic standard;
4. be enrolled, or qualified to enroll in a post-secondary course of studies;
5. be taking at least 60 percent course load (eight credits);
6. complete an application for OSAP at osap.gov.on.ca;

7. bring Program Information Form to the LSSU Registrar's Office to be completed and mailed by LSSU.

The loans are interest free for full-time students and until six months after graduation or termination of full-time studies. After the interest-free period has expired, students are responsible for the repayment of principal and the interest on the outstanding balance at a loan rate in effect when repayment begins.

Application forms are available on-line at www.osap.gov.on.ca.

Short-Term Educational Loan

Several short-term loan funds are available. These funds provide cash with a small loan to meet immediate, temporary financial problems.

Generally, loans up to \$300 are allowed for no longer than 30 days during the school year when classes are in session. These loans are signature loans and do not bear interest if repaid when due. A minimum service charge is assessed on all loans.

Student Emergency Fund

Established in 2000 through the Bud Mansfield Endowment, this fund is used to assist students in crisis. Application for funds is made at the Financial Aid Office. Students with insufficient resources to meet textbook needs or other obligations may apply for one-time assistance through this fund.

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Campus Employment

Federal Work-Study

If you have demonstrated financial need, you may be eligible for employment by Lake Superior State University under the federally supported Work-Study Program. You must file a FAFSA to be considered for this program and have financial need.

Students may work up to 19 hours weekly while attending classes at least half-time. During the summer or other vacation periods when you do not have classes, you may work full-time (40 hours per week) under this program.

The basic starting rate tends to be commensurate with the current minimum wage. Higher rates are paid for highly specialized work.

America Reads Program at Lake Superior State University is another work study opportunity for students. Students work as reading tutors in the local elementary schools and are paid through the Federal Work-Study Program. Interested students should request this unique employment experience when submitting their applications for employment.

Campus Job Opportunity

If you are interested in working on campus, but do not qualify for work study, you may be employed under the Campus Job Opportunity Program. Students must be enrolled full-time, and may work up to 19 hours per week. During the summer and other vacation periods, students may work up to 40 hours per week.

Every effort is made to employ students in areas of study providing a "learn while you earn" situation. On-campus jobs include work in laboratories, libraries, maintenance, offices, switchboard and food service areas. You can earn approximately \$2,000 during the school year and up to \$4,600 in the summer with an on-campus job.

It is recommended that students on academic probation do not continue or seek employment until probationary status has been corrected.

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Members or those eligible for membership in a federally recognized tribe showing need, may apply for Bureau of Indian Affairs Scholarship Grants by contacting their tribal education office for an application. It is possible to receive up to full university expenses per year in scholarship grants if financial need is demonstrated.

All applicants must complete a Free Application for Federal Student Aid (FAFSA).

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Native students enrolled in certificate or associate degree programs are eligible for assistance to pay for tuition, books and living expenses. You must be a member or eligible for membership in a federally recognized tribe.

Awards are based on financial need. Applicants must complete a Free Application for Federal Student Aid (FAFSA). Applications may be obtained by contacting the Tribal Education Office.

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LAKE SUPERIOR STATE UNIVERSITY



Scholarships

NEW STUDENTS

[Additional Scholarship Opportunities For Incoming Students](#)

- > [Laker Gold Scholarship Competition](#) (Incoming Freshman Students)
- > [Philip A. Hart Memorial Scholarship](#) (Incoming Freshman & Transfer Students)

[Incoming Student Scholarship Sign-Up Winners](#)

[Board of Trustees Scholarship Estimator](#)

- > [2016-2017 Incoming Freshman](#)
- > [2016-2017 Transfer Students](#)

- > [2015-2016 Incoming Freshman](#)
- > [2015-2016 Transfer Students](#)

CURRENT STUDENTS

Students can apply for foundation scholarships available through one of the scholarship sign-up periods held each fall and spring. The scholarships available during each sign-up period are based on available funding and/or donor request. To be considered a CURRENT student, you must have earned at least 26 LSSU credits, but not attempted more than 124 (including transfer credits) prior to the semester.

- › [Available scholarships for current students](#)

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- › [Renewal Criteria](#)
- › [Guidelines](#)

State Scholarships

- › [Michigan Competitive Scholarship](#)
- › [Fostering Futures Scholarship](#)
- › [Sault Tribe Higher Education Scholarships](#)

Private Scholarships

- › [Freshman Students](#)
- › [Upperclass Students](#)

Free Scholarship Search Tools

- › www.finaid.org : A comprehensive student oriented site with a large bibliography of resources, and links to at least three FREE scholarship searches
- › www.michigan.gov/mistudentaid : MI-Cashe; a Michigan scholarship search program
- › www.wiredscholar.com : Scholarship information from Edtech, Inc.
- › www.fastweb.com : Fastweb - Internet's largest free Financial Aid and Scholarship search for U.S. colleges and Universities.
- › www.collegequest.com : College Quest - How to find the right college for you with free scholarship search.
- › www.collegeboard.org : College Board

Resources »

Upcoming Events »

APR Lake State After Hours

07 5:00PM to 6:30PM

APR LSSU Retirement and Service Awards Dinner

07 5:30PM to 8:00PM

APR Relay for Life Fundraiser at Taco Bell

07 6:00PM to 9:00PM

APR

Campus-wide Senior Project Symposium

08

2:00PM to 4:00PM

APR

Seamore Shuttle

08

7:00PM to 11:30PM

Additional Links

- > [Shared Governance](#)
- > [Employment](#)
- > [Map](#)

About Us

Lake Superior State University is a personal, small-town school that provides a superior blend of liberal and technical studies in the natural setting on Michigan's Upper Peninsula. LSSU offers undergraduate degrees in 45 areas of study that attract students from every county in Michigan, more than a dozen states and provinces, and nine nations. LSSU is Michigan's most personal public university emphasizing an undergraduate experience provided by a fully-qualified faculty and a dedicated staff. [Read More...](#)

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The Lake Superior State Board of Trustees' Grant Program

This program provides assistance to incoming and currently enrolled students based on financial need. The grant is considered a form of "priority aid", requiring the on-time filing of the FAFSA each year by March 1st. Recipients must be Michigan residents and enrolled full time in Lake Superior State University classes.

Federal Pell Grant

All students filing the FAFSA are automatically reviewed for Pell Grant eligibility. Pell Grants provide assistance to which other forms of aid may be added.

Pell Grant amounts vary according to the year (\$605-\$5645 for 2013-14) and number of credits enrolled in each semester.

To be eligible for a Pell Grant, students must:

1. be determined to have financial need.
2. be undergraduates accepted for admission and enrolled in eligible programs and meet satisfactory academic progress standards.
3. be U.S. citizens or permanent residents or qualified Jay Treaty students.
4. not be in default on a Federal Direct Stafford or Perkins Loan, and not owe a refund for a Pell Grant or other federal aid.
5. not be disqualified due to prior drug offense convictions.

There is a limit to the total amount of Federal Pell Grant that a student may receive in their lifetime, which is the equivalent to 6 school years.

Although awards are made through the University, the U.S. Department of Education determines eligibility. The University Financial Aid Office uses a standard procedure established by the Department of Education to calculate the award.

To apply, complete the Free Application for Federal Student Aid (FAFSA). Forms are available at high schools, colleges and financial aid offices or online at www.fafsa.gov.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The Higher Education Act of 1965 created this program of financial assistance to help college students with the greatest financial need. Supplemental Educational Opportunity Grants may be used to meet all or part of student financial need (up to \$1000 in any one year).

Financial need is the primary consideration in the selection of grant recipients.

Priority is given to the neediest Pell Grant recipients. Recipients are selected from those applying for all forms of financial aid by using the FAFSA.

FSEOG is a priority fund that is distributed first to students who file their FAFSA by March 1st.

Recipients of this award must reapply each year and maintain the regular satisfactory academic progress standards to be considered for a renewal award.

Federal Occupational Education Program (OCED)

The Perkins Grant Program provides OCED funding for students with demonstrated financial need, as determined by filing the Free Application for Federal Student Aid (FAFSA), and who are enrolled in certain associate's degree programs. Students who qualify for the Federal Pell Grant and have earned less than 72 credits will automatically be considered if enrolled in one of the following associate's degrees:

- Criminal Justice - Corrections
- Criminal Justice - Law Enforcement
- Early Childhood Education
- Fire Science
- Health Care Provider
- Manufacturing Engineering Technology
- Natural Resource Technology
- Small Business Administration
- Substance Abuse Prevention and Treatment
- Technical Accounting

This grant provides supplemental funding for qualified students and may be prorated for less than full-time attendance.

Michigan Tuition Incentive Program (TIP)

The Tuition Incentive Program (TIP) is an incentive program that encourages eligible students to complete high school by providing tuition assistance for the first two years of college and beyond. To meet the financial eligibility requirement, a student must have (or have had) Medicaid coverage for 24 months within a 36-consecutive-month period as identified by the Michigan Department of Human Services (DHS). TIP provides assistance in two phases:

Phase I covers tuition and mandatory fee charges for eligible students enrolled in a credit-based associate degree or certificate program at participating Michigan community college, public university, degree-granting independent college, federal tribally-controlled college, or Focus: HOPE.

Phase II provides a maximum of \$2,000 total tuition assistance for credits earned in a four-year program at an in-state, degree-granting college or university.

Awards are subject to legislative changes.

Vocational Rehabilitation

The Michigan Jobs Commission Rehabilitation Services provides services and financial assistance to persons with any disability that has interfered with, or may interfere with, the individual's job performance. Students must apply for financial aid and have need.

Further information may be obtained by contacting your nearest Michigan Rehabilitation Services Office of Michigan Jobs Commission.

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Loans



Federal Perkins Loan

The Federal Carl Perkins Loan program is for students enrolled at least half time in an eligible program who need a loan to meet educational expenses.

Students may borrow up to \$5,500 for each year of undergraduate study. The lifetime loan limit for undergraduates is \$27,500. The amount awarded by the University is generally less due to limited funds.

Repayment begins nine months after students graduate or drop below half-time enrollment. There is a 10-year pay back period, at five percent interest on the unpaid balance of the loan principal.

The amount of the repayment depends on the size of the debt and ability to pay. In most cases, students must pay at least \$40 a month. Any agreement for a lesser amount must be attributable to extraordinary circumstances such as prolonged unemployment.

Default: If a student defaults on a Perkins Loan and the school is unable to collect, the federal government will take action to recover the loan. In cases of bankruptcy, total or permanent disability or death, loan obligations are canceled.

Deferment of payment is available if:

1. you are enrolled and attending as at least a half-time student at an institution of higher education.
2. for any period not to exceed three (3) years you :
 1. are unable to find full-time employment.
 2. are experiencing economic hardship.
 3. are active in certain military service.

Cancellation: Loans may be canceled for:

1. certain types of teaching,
2. full-time qualified provider of early intervention services for the disabled,
3. full-time nurse or medical technician,
4. full-time law enforcement or corrections officer, firefighters,
5. death or disability of the student,
6. full-time staff of Head Start Educational Program,
7. full-time provider of services to high-risk children at a child or family service agency,
8. certain military service,
9. public defenders,
10. certain speech pathologists,
11. certain librarians,

12. faculty member at a tribal college,
13. volunteer service.

Federal Direct Stafford Loan (Student)

Qualified applicants must be a United States citizen or eligible alien. Students may borrow up to \$5,500 the first year of undergraduate study, \$6,500 as a sophomore and \$7,500 as a junior or senior. The lifetime maximum amount is \$31,000 for dependent students and \$57,500 for independent undergraduate students.

The student loan program is administered through the Financial Aid Office under the Direct Loan Program. A loan fee is charged on all loans, under federal law. Loans are disbursed in two equal disbursements (one-half in the fall semester; one-half in the spring semester).

Subsidized loans are eligible for federal interest benefits. For subsidized loans, the federal government does not charge interest while attending school at least half-time, during the six-month grace period, and during deferments (postponements of repayments). Financial need must be shown to receive this type of loan.

For students without financial need, the Direct Loan Program offers Direct Unsubsidized Loans. The federal government charges interest on these loans while attending school, in the grace period, and in deferment.

Once enrolled at Lake Superior State University, students must meet the satisfactory progress standards to be eligible for additional loans. Students must file a Free Application for Federal Student Aid (FAFSA) each year to qualify for a student loan.

Repayment begins six months after graduation or the date the student attends school less than half-time. Interest rates are set each June for the following academic year.

Federal Direct PLUS Loan (Parent)

Parents may borrow up to the difference between the cost of education and other financial aid for which the student is eligible. The interest rate is adjusted annually for new loans; the 2013/14 fixed interest rate is 7.9%.

Students must meet the satisfactory progress standards to be eligible and must file a Free Application for Federal Student Aid (FAFSA) each year to obtain a Federal Direct PLUS loan.

An origination fee is deducted from each of two disbursements made in a school year. Repayment begins within 60 days of disbursements, or may be deferred until six months after student graduates or drops below half time. Interest rates are set each June for the following academic year.

Federal Nursing Student Loan

The Nursing Education Loan Program provides loans of up to \$5200 a year for bachelor's degree or completion nursing programs. Payment assistance is available by annual application to the Department of Health and Human Services at hrsa.gov/loanscholarships/repayment. Eligibility requirements include United States citizenship, enrollment of at least half-time and demonstrated financial need.

Federal TEACH Loan Forgiveness Program

The TEACH Grant is a Loan Forgiveness Program for students who plan to become teachers in certain fields and for teachers who are seeking a graduate degree.

Qualified students may borrow up to \$4,000 per year if full time, prorated for part time.

Maximum of \$16,000 for undergraduate student.

Maximum of \$8,000 for Masters with lifetime limit of \$24,000.

Award becomes an unsubsidized federal student loan with interest accruing from initial point of disbursement if student does not meet forgiveness criteria within eight years.

Qualifications:

1. Student must be admitted into an approved major- see list on website @ www.lssu.edu/finaid/teachlist.php.
2. Student must have scored above 75th percentile on admissions test or Graduate Records Exam (GRE). Submit a copy of your original ACT results clearly showing your score above the 75th percentile.
3. Student who did not meet the test criteria must have a cumulative GPA of 3.25 or higher.
4. If qualified by GPA, must meet that minimum each semester.
5. Student must complete Entrance Counseling, Interim and Exit Counseling.
6. Student must complete Agreement to Serve each year.

Criteria for forgiveness of loan for students:

1. Must complete four years of teaching within eight years of finishing program.
2. Must perform teach service as a highly-qualified teacher.
3. Must teach in a high-need subject area for at least four years at a school serving low-income students.
4. Must be a full-time teacher with majority of time spent teaching one of the high need subjects:
 1. Bilingual Education and English Language Acquisition
 2. Foreign Language
 3. Mathematics
 4. Reading Specialist
 5. Science
 6. Special Education
 7. Other teacher shortage areas documented as high need by Federal, State or local education agency and listed in Department of Education Annual Teacher Shortage Area Nationwide at the time the student begins teaching.

Canada Student Loan

Canadian students who need financial help to earn a degree at Lake Superior State University may apply for aid through the Ontario Student Assistance Program (OSAP).

To qualify for a loan, the student must:

1. be a Canadian citizen or have landed immigrant status;
2. be a resident of a province that participates in the plan;
3. have attained a satisfactory scholastic standard;
4. be enrolled, or qualified to enroll in a post-secondary course of studies;
5. be taking at least 60 percent course load (eight credits);
6. complete an application for OSAP at osap.gov.on.ca;

7. bring Program Information Form to the LSSU Registrar's Office to be completed and mailed by LSSU.

The loans are interest free for full-time students and until six months after graduation or termination of full-time studies. After the interest-free period has expired, students are responsible for the repayment of principal and the interest on the outstanding balance at a loan rate in effect when repayment begins.

Application forms are available on-line at www.osap.gov.on.ca.

Short-Term Educational Loan

Several short-term loan funds are available. These funds provide cash with a small loan to meet immediate, temporary financial problems.

Generally, loans up to \$300 are allowed for no longer than 30 days during the school year when classes are in session. These loans are signature loans and do not bear interest if repaid when due. A minimum service charge is assessed on all loans.

Student Emergency Fund

Established in 2000 through the Bud Mansfield Endowment, this fund is used to assist students in crisis. Application for funds is made at the Financial Aid Office. Students with insufficient resources to meet textbook needs or other obligations may apply for one-time assistance through this fund.

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Campus Employment

Federal Work-Study

If you have demonstrated financial need, you may be eligible for employment by Lake Superior State University under the federally supported Work-Study Program. You must file a FAFSA to be considered for this program and have financial need.

Students may work up to 19 hours weekly while attending classes at least half-time. During the summer or other vacation periods when you do not have classes, you may work full-time (40 hours per week) under this program.

The basic starting rate tends to be commensurate with the current minimum wage. Higher rates are paid for highly specialized work.

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- [Orientation Website](#) 

Overview

The Office of Advising, Retention and Orientation works with faculty, staff and students to provide programs, initiatives, and resources that enhance student success, such as:

- Academic advising resources
- SKYfactor Mapworks
- New student academic orientation

Advising Resources

The office maintains an advisor's handbook, an advising website, and assists with the coordination of advisor development programs for faculty and staff.

The mission of academic advising at LSSU — Academic advising helps all students:

- identify and clarify their academic, career and life goals;
- assess the role that higher education can play in achieving those goals;
- develop educational plans consistent with those goals and with their interests and abilities;
- select appropriate courses and other educational experiences;
- evaluate their progress toward earning a degree and reaching their goals;
- adapt to the demands of college life and become active members of the university community;
- identify and utilize university and community support services;
- interpret institutional rules, policies, and procedures; and
- develop the skills necessary for independent decision-making.

All admitted students at LSSU are assigned to an academic advisor within their disciplines. The advisor assignment is listed in the student's Anchor Access account. If no advisor is listed, the student should contact the academic department for his/her major or the Office of Advising, Retention and Orientation at 906-635-2874 (or ext. 2874 on campus).

SKYfactor Mapworks

[Mapworks](#) is an advising resource and communication tool for faculty and staff. Mapworks enhances a student's ability to be more successful in College.

Orientation

All new students (including transfer students) attending main campus are required to attend and participate in [orientation](#). Orientation is when students learn important information on academic policies and procedures that students are expected to follow while attending LSSU. Students will also learn about the wide range of services available to assist them in having a successful university experience.

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Overview

LSSU Information Technology offers a variety of services and programs for students. Classroom laboratories provide for instruction that involves computers and/or software. During non-class hours, general access labs provide copies of the software used in classes, open Internet access to students, as well as word processing software. Help for students utilizing software in the classroom or labs is available in the Learning Center. PCs enhance the research ability of the KJS Library with access to the Internet and many databases. The University maintains a student-to-computer ratio of 10-1 whenever possible.

Upon enrollment, a student will receive an e-mail account which can be used to access the university messaging system as well as communicating with friends and family. This account is free to any enrolled student. Instructions and help for using the e-mail account are available at the Information Technology HelpDesk in the Library, Room 245. Internet access is also available in student residences and many locations across campus.

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Freshmen

A freshman student is defined as a student who has not enrolled in a postsecondary institution anytime after the summer following high school graduation.

You may apply to Lake Superior State University anytime during your final year of high school. The best time to apply is early in your senior year. Applications are processed continuously. When all necessary materials have arrived you will be notified of a decision as soon as possible. To complete your admission file you must submit an official high school transcript, application fee, and ACT scores (if you graduated from high school within 26 months of entering LSSU). Although ACT scores are preferred, we will also accept SAT scores.

The primary factors used to determine admission are cumulative grade point average (GPA), high school course curriculum, and ACT or SAT results. LSSU recommends that students follow a college preparatory curriculum mirroring the Michigan Merit Curriculum. The middle 50 percent of our entering freshmen class typically have high school GPAs ranging from 2.9 to 3.6 and ACT scores ranging from 22-25. Students should feel free to submit any additional materials which may aid the Admissions Office in reviewing unusual circumstances which may have impacted high school performance. ACT or SAT scores will not be used in the admissions process if you graduated from high school two or more years ago.

Your admission will be contingent upon satisfactory completion of current coursework and receipt of a final high school transcript with verification of graduation from an accredited school or passing on the GED. To be considered official, all transcripts and test score reports must be mailed from your high school guidance office or testing agency directly to Lake Superior State University. Transcripts delivered via approved platforms such as "Parchment" will also be considered official. Please contact the Admissions Office for information regarding approved current electronic delivery methods.

LSSU assigns each student an individual student identification number. Your student number will be provided to you when you are admitted. While we do not use social security numbers as your student identification, we do use it to match your application record with your other permanent records. Financial aid applications will not be processed without your social security number. Social security numbers should be included on your application for admission. Canadian and international student applicants should not use their social insurance number. LSSU will use your assigned student identification number.

Students denied regular admission may reapply after attending another accredited college and earning at least 19 semester (29 quarter) hours of transferable credit. Evaluation is then based upon the college record.

Home Schooled Students

Lake Superior State University does not have separate requirements for home schooled applicants. Like all applicants, home schooled students will need to provide a transcript of their high school coursework as well as ACT or SAT scores. Admission will be determined on the basis of your high school grade point average, coursework completed, and ACT or SAT scores.

ACT

The ACT is offered nationally five times a year at many locations including our campus. Registration forms are available in high school counseling offices, the LSSU Testing Services at 906-635- 2027 or at www.actstudent.org.

United States residents applying for academic scholarships must have their ACT scores sent prior to the March 1 scholarship deadline.

Transfer Students

A transfer student is defined as a student who enrolls in a postsecondary institution anytime after the summer following high school graduation.

Transfer students must possess a 2.0 cumulative college GPA and be eligible to return to your former college(s). If you have completed fewer than 19 semester (29 quarter) hours of credit, you must also send an official high school transcript or GED scores in addition to your college transcript (and ACT scores if you graduated from high school within 26 months of the semester of entry).

Contact the college's Registrar's Office or high school guidance office to have an official transcript mailed to our Admissions Office. Transcripts sent via facsimile or hand delivered are not considered official. All transcripts become the property of Lake Superior State University and are not returnable.

Your complete application should be submitted at least 30 days prior to the semester of entry. Transfer students denied admission may reapply after taking additional courses that raise their overall GPA to above a 2.0.

Credit Evaluations

Official evaluation of transfer credit is made upon acceptance to LSSU. The Admissions Office will help you with an unofficial transcript review at your request.

If a course taken at another institution is not offered at LSSU, elective credit may be granted for that course. Elective credits may be applied toward degree requirements but may not be used to satisfy any specific course requirement.

Courses with grades less than C- will not transfer. A grade of C or higher may be required for some programs.

The Admissions Office completes transfer credit evaluations based on equivalencies determined by the faculty. The decision on courses and transfer credit granted may be appealed first to the academic dean and then to the provost.

Provisional Credit

Credit earned at an institution not listed in the American Council of Education's publication, Accredited Institutions of Post-Secondary Education is granted

provisionally. You must complete at least 15 semester hours of credit with a cumulative GPA of 2.00 at LSSU before provisional credits will become part of your permanent record.

Michigan Transfer Agreement (MTA)

In order to satisfy the MTA, students must successfully complete at least 30 credits from an approved list of courses at a sending institution with at least a grade of 2.00 in each course. These credits, which will be certified by a sending institution, should be completed according to the following distributions:

- One course in English Composition
- A second course in English Composition or one course in Communication
- One course in Mathematics
- Two courses in Social Sciences (from two disciplines)
- Two courses in Humanities and Fine Arts (from two disciplines excluding studio and performance classes)
- Two courses in Natural Sciences including at least one with laboratory experience (from two disciplines)

Students who complete the MTA and transfer to Lake Superior State University will have met 30 credits of the General Education Core Requirement. Students will still be expected to complete a Cultural Diversity Course (minimum of 3 credits) as well as an additional course in ENGL or COMM to total at least one year of composition and one semester of communication.

Students who do not complete the entire block of courses required by the MTA will receive credit for the courses they do complete on the basis of individual course evaluation and established transfer equivalencies.

It is important to note that the MTA is not the best fit for all programs. There are many programs in Michigan for which the MTA is not a good fit. Students are encouraged to work with their advisors at their destination institution (LSSU) in order to select a path that is best for them.

LSSU-Wisconsin Bridge Agreement

Students transferring from the University of Wisconsin Colleges with an Associate of Arts & Science degree will have met 30 credits of the General Education Core Requirement. Students will still be expected to complete a Cultural Diversity Course (minimum of 3 credits) as well as an additional course in ENGL or COMM to total at least one year of composition and one semester of communication.

MACRAO Transfer Agreement

Michigan community college students admitted to Lake Superior State University who have the MACRAO stamp on their transcript are recognized as having completed the general education requirements at Lake Superior State University.

Sault College Transfer Agreement

Sault College of Applied Arts and Technology students admitted to Lake Superior State University who have the GECERT stamp (liberal studies degree) on their transcript are recognized as having completed the general education requirements at Lake Superior State University.

Residency Requirement

There is no limit to the number of transfer credits allowed from other institutions but students are required to complete LSSU's [Residency Requirements](#).

Early Admission Policy

Students under the age of 18 that apply for early admission to LSSU who do not possess a high school diploma or GED will be counseled on an individual basis by a member of the Admissions staff.

Former Students

Former Lake Superior State University students who miss one or more semesters (not including summer) must submit an Application for Readmission prior to the semester of re-entry. There is no application fee. If you have attended another college during the period of absence, you must submit official transcripts and meet our transfer student admissions requirements. Those students who were academically dismissed must meet the requirements for re-enrollment as defined by the Scholastic Standards Committee.

Guest Students

Students enrolled at another college or university may be admitted to LSSU for one semester as a guest student. An extension of one additional semester may be granted for extenuating circumstances. If you intend to enroll full time for more than one semester, you must submit an Application for Admission as a transfer student. Guest students assume responsibility for determining if LSSU courses apply to their program at the college from which they intend to graduate.

Ontario Students

Ontario student applicants must satisfy entrance requirements comparable to those of United States students. Please refer to the "Freshmen" and "Transfer" sections of the catalog for details. Ontario students are not required to take the ACT or SAT for admission consideration.

If you have completed grade 13 or OAC courses before September 1990, you will receive transfer credit at the University for each course in which your final mark was at least a 60 percent. Transfer credit is not given for any OAC courses taken after September 1990. However, completion of OAC courses prepares some students to earn credit through testing. See section titled "Credit by Examination".

Admitted Ontario students must provide verification of ability to pay in order to receive a Certificate of Eligibility for Non-Immigrant (F-1) Student Status (Form I-20) required to attend a university in the United States. This is not an admissions requirement for Ontario students; however, an I-20 form is required for you to cross into the U.S. to attend classes. Please refer to "Verification of Ability to Pay" section in the catalog for details.

If you are a Permanent Resident or able to be in the U.S. with another form of documentation, we will need a copy of this documentation for our records.



If you are a Canadian Aboriginal or Native American (excluding METIS) with at least 50% blood quantum and have J-treaty privileges (carry a tribal ID), you are exempt from needing an I-20 form. You must provide our office with a copy of your tribal ID and an official tribal-issued letter showing proof of blood quantum.

Ontario students planning to attend part-time (less than 12 credits) and commute to the University will be issued a new I-20 form each semester upon the verification of the payment of tuition and fees, or after submission of financial information as outlined above.

Ontario students are required to provide a copy of a valid Provincial Health Card (both sides) verifying coverage under a provincial health care program. LSSU highly

recommends that students purchase adequate health insurance coverage while in the U.S. Students, however, may request to [waive](#) the purchase of additional health and accident insurance.

International Students (Excluding Ontario Students)

We recommend international students submit all application material by July 15 for the fall semester and November 15 for the spring semester. You will be required to provide official transcripts evaluated by World Evaluation Service (WES) or Education Credential Evaluators (ECE) on a comprehensive course-by-course basis. Websites for WES and ECE are www.wes.org  and www.ece.org . This applies to both first time in college students as well as transfer students. Transfer students who have earned less than 19 semester hours of college credit will also need to provide their high school transcripts.

International applicants must also provide verification of ability to pay, prove English proficiency, and purchase health and accident insurance through the University sponsored program. Please refer to those sections for specific information.

Applicants should not consider themselves admitted to LSSU until they have provided all required documents and have received an official letter of acceptance. Following the letter of acceptance, the I-20 form is sent, as required by the U.S. Immigration and Naturalization Services.

If you are a Permanent Resident or able to be in the U.S. with another form of documentation, we will need a copy of this documentation for our records.

If you are a Canadian Aboriginal or Native American (excluding METIS) with at least 50% blood quantum and have J-treaty privileges (carry a tribal ID), you are exempt from needing an I-20 form. You must provide our office with a copy of your tribal ID and an official tribal-issued letter showing proof of blood quantum. International students are required to purchase a health and accident insurance through the University sponsored program.

Verification of Ability to Pay – Ontario and International Students

The U.S. Immigration and Naturalization Services (INS) requires that LSSU have verification of your ability to pay for tuition/books and expenses before we can issue a Certificate of Eligibility for Non-Immigrant (F-1) Student Status (I-20). This form is required for you to cross the border into the United States.

An acceptable financial document must have been submitted not more than nine (9) months before the term you intend to enroll at LSSU. The document also needs to be current within the last 90 days. Inclusion of false information in the financial statements is grounds for dismissal. Verification may be documented by the following: personal savings or verification of loans or scholarships received, a parent or sponsor, government or sponsoring agency, or by LSSU anticipated support.

As of September 1, 2004, the U.S. Department of Homeland Security (DHS) has implemented a rule requiring F-1 visa applicants to pay a one-time fee to supplement the administration and maintenance costs of the Student and Exchange Information System (SEVIS). Because we will be issuing you an initial I-20 form, you will be required to pay this SEVIS fee. Information about payment of the fee and the processing of your I-20 form upon entry to the U.S. will be provided to you with your initial I-20 form. You may also check our website for additional information:



www.lssu.edu/admissions/international .

Proof of English Proficiency

Proof of English proficiency is required for admission to LSSU as an international student. English proficiency can be proven in several ways:

1. Score 500 or above on the paper-based Test of English as a Foreign Language (TOEFL) or a score of 61 on the internet-based TOEFL. Please use institutional code 1421 to report scores directly to LSSU. More information on TOEFL may be found at www.toefl.org or 609-771-7100.
2. Score of 72 on the Michigan English Language Assessment Battery (MELAB). Write: English Language Institute, MELAB Testing, 3020 North University Building, University of Michigan, Ann Arbor, Michigan 48109-1057, U.S.A.
3. Completion of Level 112 at any ELS Language Center located in the U.S. More information can be found at: www.studyUSA.com or at www.els.com, 1-609-750-3500 or info@els.com.
4. APIEL - Advanced Placement English Language Test with a score of 3 or higher.
5. SAT/ACT critical reading score of 480 or higher, minimum overall score of 965 or higher, ACT equivalent is 20.
6. Completion of two (2) years of study at a school, college or university located in an English-speaking country.
7. IELTS - International English Language Testing System with a score of 6.0 or higher.

Undocumented Students

Students who are undocumented are considered domestic students, not international students for admissions consideration. They must meet our regular admission requirements. Undocumented students residing in North America will be classified as residents for tuition assessment. Undocumented students are not eligible for financial aid or scholarships.

Part-time Enrollment

You may enroll as a part-time student and take up to 11 credits per semester in courses for which you have sufficient academic background. United States students attending part-time who are not seeking financial aid or a degree or certificate do not have to formally apply for admission.

Canadian (commuter) students wishing to attend part-time must apply for admission and be accepted into a degree program. Note that all other international students must maintain full-time enrollment (12+ credits) to maintain F-1 status.

As a non-admitted part-time student, you are not assigned a faculty advisor. You are encouraged to seek assistance in selecting courses from the appropriate academic departments.

Current high school students should refer to the section regarding dual enrollment.

Career and Technical Education

Lake Superior State University recognizes the excellent academic achievement of students completed through the Career and Technical Education programs throughout the state by awarding university credit for this work completed while in high school. Through this partnership students are able to begin their university studies by completing their CTE curriculum. Lake Superior State University is a proud partner with the Michigan Department of Education, Michigan High Schools, and Michigan Career and Technical Education Centers in providing direct pathways

for students to continue their education after high school. Through [coordinated Articulation Agreements](#), LSSU assists students to realize a seamless and systematic transition, maximizing the use of resources and minimizing duplication of content as they move from their secondary to their postsecondary educational experience.

Dual Enrollment for High School Students

Effective July 2012, State law now allows qualifying 9th and 10th grade students (in addition to 11th and 12th grades) to attend as dual enrolled students in a postsecondary institution. To be eligible, students must be enrolled in at least one (1) high school class in a school district. A student must receive a qualifying score in each subject area on a reading assessment or the Michigan merit exam (MME) in order to be eligible to take all eligible courses; otherwise, he/she can only take courses in the area for which a qualifying score was achieved. If no qualifying score was achieved, the student is limited to a course in computer science, or foreign language, or a course in fine arts as permitted by the school district. Students must also meet any course prerequisite requirements. Students must be in Good Standing (cumulative gpa of 2.000 or higher) at LSSU to be eligible for continued enrollment. Students on probation are limited to course repeats, if available. Eligible students are limited to no more than ten (10) courses overall if the school district covers the cost; this limit does not apply if the student is covering costs.

Registration will be coordinated by the Admissions Office in conjunction with the Registrar's Office, once a student has completed the required form and has been approved as a dual enrollee. Students may pick up the Dual Enrollment Form from their high school guidance office, the LSSU Admissions Office, or at www.lssu.edu/admissions/dualenrollment/. Attendance as a high school dual enrollee does not constitute admission to a degree program. LSSU encourages students to apply for admission early in their senior year for a major of their choice.

Placement Testing (COMPASS)

LSSU will use ACT and/or SAT to place students in courses required for their degree and matched to their level of academic preparation. Occasionally, these test scores do not reflect a student's true preparedness or, depending on their admission status, ACT or SAT scores may not have been required. In that case, students will take English, reading, and math placement tests to determine which courses they should schedule. [The table](#) shows the relationship between ACT/SAT scores and LSSU English or math courses.

Students with high ACT or placement scores are invited to enroll in honors English. High scores in mathematics will also allow students to enroll in higher-level math courses.

Students with low scores in English, reading and mathematics will be required to take preparatory coursework that do not count towards degree requirements.

Transfer students without appropriate course work in English and mathematics (see degree requirements) are also required to take placement tests. Transfer students may meet placement requirements by their ACT scores if they submit ACT scores to LSSU.


Credit by Examination

You may earn university credit by examination. The University grants credit from Advanced Placement, International Baccalaureate (IB), College Level Examination Program (CLEP) and departmental exams. If you are already attending Lake State, you may earn credit through both CLEP and departmental exams.


You must meet the following criteria before credit by examination will be entered on your transcript:

1. be an admitted full-time student, and
2. be enrolled at Lake Superior State University.


Advanced Placement Program (AP)

Advanced Placement Exams are administered at high schools each May. LSSU grants credit in select AP exams passed with a score of three or higher. If an essay is part of an individual exam, it must be submitted to University Testing Services for evaluation. To receive credit, the essay must be satisfactory and you must have a minimum score of three on the test. Credit for AP is granted as shown on the [table](#) .

International Baccalaureate (IB)

Lake Superior State University offers college credit for students who complete IB coursework with strong results. LSSU will grant credit only for Higher Level exams and scores of 5 or above. Credit for IB is granted as shown on the [table](#) .

College Level Examination Program (CLEP)

You may take CLEP exams at a computer testing center, including Lake Superior State University's Testing Services. LSSU offers CLEP exams every month except December. Credit for CLEP is granted as shown on the [table](#) .

You may receive credit toward specified courses that meet general education requirements.

CLEP general and subject examination credit may not be used to repeat courses previously taken unless permission is granted from the academic department offering the course.

Grades for general examinations are recorded as credit without grade points.

Credit may be earned for individual courses by passing CLEP subject examinations.

Dantes ACE Credit

LSSU is proud to accept your credit for prior military experiences. Once we receive an official transcript, your transcripts (including military training) will be evaluated and credit will be granted based on American Council on Education (ACE) recommendations. If your Dante's equivalence is not listed, contact the Registrar's Office for further review. Credit is granted as shown on the [table](#).

Departmental Exams

Departments may provide their own examinations for certain courses. You must have the written approval of the appropriate School Chair to take the examination. An application form for credit by exam can be found online and in Anchor Access. There is a fee charged per credit hour. An examination grade of 2.00 or better is required for credit to be earned. Credit earned by exam is recorded as transfer credit on the student's transcript. Some universities may not accept transfer credit earned by departmental exam.

Health Record

Everyone entering Lake Superior State University for the first time should complete an Immunization Record and Health History Questionnaire. The form is mailed to admitted students. These questionnaires are not considered for admission to the

University. The information helps the University's Health Care Center better serve your needs.

Note: Information in the admissions section of the catalog is for information only and not part of an enrollment contract.

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Anderson, Melvin L., Professor of Chemistry (1969-1993); BS 1953, MS 1955, Michigan Technological University; PhD 1965, Michigan State University (deceased)

Anderson, Roland A., Associate Professor of Office Administration (1969-1986); BA 1953, Wisconsin State University-Whitewater; MA 1961, Northern Colorado University-Greeley

Arbic, Bernard J., Professor of Mathematics (1967-2000); BS 1962, Massachusetts Institute of Technology; MA 1967, Bowdoin College; PhD 1972, University of Wyoming

Behmer, David J., Professor of Biology (1967-1996); BS 1963, Wisconsin State College; MS 1965, PhD 1966, Iowa State University

Blashill, James R., Associate Professor of Criminal Justice and Fire Science(1995-2008); BS 1963, Wayne State University; MS 1976, Michigan State University

Brown, Lewis M., Professor, Geology and Physics (1979-2012); BA 1965, Cornell College; MS 1967, University of Iowa; PhD 1973, University of New Mexico

Bruce, Russell D., Professor of Physical Education and Recreation (1976-1987); BA 1953, Cornell College; MA 1956, University of Michigan; PhD 1966, University of Wisconsin (deceased)

Carlson, Arthur F., Associate Professor of Physics (1947-1970); BS 1935, University of Minnesota. (deceased)

Carlson, Delphine, Associate Professor of Mathematics (1947-1969); BA 1934, MA 1938, University of Michigan (deceased)

Campagna, Carol A., Associate Professor of Nursing (1984-2001); BSN 1964, D'Youville College; MSN 1969, University of Colorado

Castor, William N., Professor of Political Science (1971-1994); BA 1951, Middlebury College; MA 1952, Columbia University; PhD 1975, University of Denver

Chandra, Purna, Professor of Microbiology (1967-1994); BS 1949, MS 1951, Agra University; PhD 1958, Oregon State University (deceased)

Chelberg, Raymond R., Professor of Chemistry (1946-1970); BS 1926, Gustavus Adolphus College; MS 1931, University of Minnesota (deceased)

Cole, Wallace, Associate Professor of Mathematics (1955-1969); BS 1926, MA 1928, University of Wisconsin (deceased)

Conboy, Richard T., Professor, Political Science/Coordinator of the Center for Social

Research (1988-2011); BA 1967, MPA 1969, University of Dayton; PhD 1984, The American University

Connaughton, M. Carole, Professor of Nursing (1984-1999); BSN 1956, Saint Mary's College; MSN 1967 and PhD 1974, Indiana University

Cooper, Ronald R., Professor of Physical Education (1956-1986); Director of Intercollegiate Athletics and James Norris Physical Education Center (1976-1986); BS 1951, MA 1958, Central Michigan University (deceased)

Cullen, John C., Professor of Spanish (1967-2001); BA 1963, MA 1965, Michigan State University; PhD 1973, Interamerican University (deceased)

Curtis, Robert W., Professor of Engineering Technology (1955-1986); BSME 1948, Michigan Technological University; BSEd 1950, Northern Michigan University; MA 1954, University of Michigan. (deceased)

Dahlman, Marvin, Associate Professor of Mechanical Engineering Technology (1952-1985); BS 1947, MS 1952, University of Minnesota

Delaney-Lehman, Maureen J., Associate Professor/Librarian (1989-2009); BM 1975, Western Michigan University; MS 1980, Michigan State University; MLS 1988, University of Kentucky

Dobbertin, Leslie A., Professor of Sociology/Chair, Social Sciences (1972-2013); BA 1965, Central Michigan University; MA 1972, Iowa State University; PhD 1989, Michigan State University

Dorrity, Daniel T., Professor of History/Dean, College of Arts, Letters and Social Sciences (1970-2014); BA 1966, MA 1967, Wayne State University; PhD 1973, University of Michigan

Duesing, Paul R., Professor of Mechanical Engineering (1984-2013); BSME 1971, MSME 1973, University of Michigan; Licensed professional engineer for Michigan and Ohio

Duesing, Sherilyn R., Associate Professor of Mathematics (1993-2013); AS 1971, North Central Michigan College; BS 1976, Central Michigan University; MS 1998, Northern Michigan University

Duwe, Arthur E., Professor of Biological Science (1968-1991); BS 1949, Alma College; MS 1950, PhD 1953, Ohio State University (deceased)

Erkkila, John E., Professor of Business and Economics (1990-2009); BS 1970, Lake Superior State College; MA 1971, University of Windsor; PhD 1988, University of Western Ontario

Fabbri, Anthony J., Associate Professor of Computer Science (1996-2008); BA 1965, MS 1967, Indiana State University; EdD 1995, University of Louisville

Flynn, Michael, Professor of English (1961-1986); BA 1954, Central Michigan University; MA 1964, Northern Michigan University

Francisco, Wayne H., Assistant Professor of Criminal Justice (1973-1983); BS 1950, Eastern Michigan University; MA 1967, MS 1971, Michigan State University

Gaertner, Georgegeen P., Associate Professor of English (1965-2000); BA 1959, Michigan State University; MA 1963, University of Michigan (deceased)

Gaertner, Robert C., Associate Professor of Finance (1965-2000); BBA 1964, University of Notre Dame; MBA 1965, Michigan State University

Gleason, Gale R., Professor of Biology and Department Head of Biology and Chemistry (1965-1986); BS 1950, Central Michigan University; MS 1951, PhD 1960 Michigan State University

Gleason, Gilbert J., Professor of Biology (1961-1988); BS 1958, MA 1960, Central Michigan University (deceased)

Gutowski, Mieczyslaw, Associate Professor of Mathematics (1984-2004); MS 1965, University of Lodz, Poland; PhD 1973, University of Gdansk, Poland

Haag, William L., Professor of Chemistry (1984-2001); BS 1961, Loras College; MS 1965, PhD 1971, University of Nebraska

Halsey, Alice I., Associate Professor of Nursing (1963-2000), BSN 1962, University of Michigan; MSN 1977, Wayne State University

Harris, Earle B., Associate Professor of English (1976-1987); AB 1946, University of Michigan; BD 1947, ThM 1964, Princeton Theological Seminary (deceased)

Howe, Margaret, Associate Professor of Humanities (1969-1981); AB 1932, Northwestern University; MA 1965, Northern Michigan University (deceased)

Hudson, John S., Associate Professor of Accounting (1970-2002); BA 1963, MA 1965, Michigan State University; MBA 1967, Western Michigan University

Jemison, Eugene F., Associate Professor of Humanities (1969-1986); BA 1946, Washburn University; MFA 1948, Kansas City Art Institute (deceased)

Jennings, Richard P., Professor of Speech (1970-December 1998); BA 1950, University of Michigan; Master of Divinity 1953, Virginia Theological University; MA 1970, Central Michigan University

Jones, Charles W., Professor of Chemistry (1970-2001); AB 1954, Western State College of Colorado; MS 1957, PhD 1973, Oklahoma State University

Kelly, Thomas M., Professor of Sociology (1971-1992); BA 1952, St. Mary of the Lake University; STL 1956, Gregorian University, Rome; MA 1964, University of Notre Dame; MEd 1979, Loyola University

Kemp, C. Ernest, Associate Professor of Geology (1944-1980); Honorary Title "Dean Emeritus" of Lake Superior State University; BS 1949, Michigan Technological University (deceased)

Kennedy, Robert E., Associate Professor of Engineering (1948-1971); BS 1932, MS 1939, University of Michigan (deceased)

Knowles, David M., Professor of Geology (1969-1994); BS 1954, MS 1955, Michigan Technological University; PhD 1967, Columbia University

Knudson, Vernie A., Associate Professor of Natural Resources Technology (1971-1994); BS 1954, Bethany College; BS 1958, University of Kansas; MS 1959, Fort Hays State College; PhD 1970, Oklahoma State University (deceased)

Lehman, John W., Professor of Chemistry (1966-2001); BS 1960, McPherson College; PhD 1969, University of Colorado

Linderoth, Leon W., Professor of English (1968-2000), BA/BS 1958, Central Michigan University; MA 1960 and PhD 1966, Florida State University

Madden, James P., Professor, Criminal Justice, Fire Science and EMS (1984-2012); BA 1971, William Carey College; MS 1975, University of Southern Mississippi

Madl, John T., Associate Professor of Mechanical Engineering (1967-2002); BSME 1965, MSME 1967, Michigan Technological University

Marinoni, Ann B., Professor; Management, Marketing and Entrepreneurship (1976-2012); BS 1975, Lake Superior State College; MBA 1977, Central Michigan University; PhD 1992, Michigan State University

Marken, Marzale, Associate Professor of Engineering Technology (1955-1984); BS 1948; MA 1956, University of Minnesota (deceased)

Matheson, John M., Professor of Journalism and Secretary, Board of Control (1969-1984); BA 1948, Michigan State University; MA 1965, PhD 1967, Southern Illinois University (deceased)

McCabe, John C. III, Professor of English (1970-1987); PhB 1947, University of Detroit; MFA 1948, Fordham University; PhD 1954, Shakespeare Institute, University of Birmingham, England (deceased)

Mickewich, Thomas, Professor of Mathematics (1967-2002); BA 1964, MA 1967, University of Maine

Money, Robert M., Professor of History (1969-2010); BA 1953, Northern Michigan University; MA 1958, University of Michigan (deceased)

Mullin, C. Randolph (Randy), Professor of Physics/Coordinator of the Planetarium (1969-2009); BS 1959, St. Vincent College; PhD 1964, University of Notre Dame

Otis, Franklin F., Professor of Mathematics (1948-1978); B.Ed., River Falls State, 1937; MS 1948, Wisconsin (deceased)

Person, Steven J., Professor of Biology (1974-1989); B.S. 1966, MS 1968, Iowa State University; PhD 1976, University of Alaska

Poisson, Joseph A., Associate Professor of Physical Education (1963-1976); SS 1940, Northern Michigan University; MA 1957, University of Michigan (deceased)

Ratwik, Susan H., Professor of Psychology (1977-2013); BA 1969, University of Minnesota; MS 1975, PhD 1978, University of Notre Dame

Reilly, Raymond, E., Professor of Biology and Chemistry, (1966-1990); BS 1951, MS 1951, MS 1963, PhD 1970, Michigan State University (deceased)

Samson, Gerald, Professor of Mathematics (1966-1990); BA 1952, University of Michigan; MA 1955, MS 1966, Texas A & M University

Sawczak, George J., Assistant Professor of English (1965-1982); BA 1952, Alliance; MA 1954, Kent State University

Sawyer, Timothy J., Professor of Psychology (1976-1989); BA 1972, Northern Michigan University; MA 1974, PhD 1976, University of Nevada

Schirer, Thomas E., Professor, Humanities and Philosophy/Department Head, Arts

and Letters (1984-2014); BA 1973, MA 1976, University of California; PhD 1983, Friedrich-Alexander-University

Schwiderson, Keith E., Assistant Professor, Engineering and Technology (1976-2011); BS 1979, Lake Superior State University; MS 1981, Northern Michigan University

Shannon, MaryAnne P., Associate Dean/Professor, Nursing (1988-2011); BSN 1975, University of Michigan; MSN 1979, Wayne State University; PhD 2005, Michigan State University; Advanced Practice Nurse, Board Certified in Gerontological Nursing since 1991

Sherman, Karl J., Associate Professor of Accounting (1971-2000); BS 1965, Northern Michigan University; MS 1967, Southern Illinois University

Shouldice, Kenneth J., Professor of Business Administration and President (1965-1982); BS 1949, Marquette; MS 1951, Northwestern; PhD 1969, Iowa (deceased)

Smith, Bernard M., Professor of Behavioral Science (1966-1980); BA 1947, MA 1949, University of Louisville; MA 1956, University of Kentucky; PhD 1960, Iowa. (deceased)

Smith, Bryce E., Professor of Biology (1970-1995); BS 1952, MA 1957, University of Michigan; PhD 1965, University of Wisconsin

Stai, Deborah K., Professor, Biological Sciences (1991-2011); BS 1974, BS 1978, Mankato State University; MA 1980, PhD 1989, Union Institute (deceased)

Stough, Bessie, Associate Professor of Mathematics (1947-1963); BA 1923, MA 1929, University of Michigan (deceased)

Thesing, Gary L., Professor of Mathematics (1971-1999), BA 1969, Saint Mary of the Plains College; MS 1964, University of Notre Dame; EdD 1971, Oklahoma State University

Thomsen, Viggo, Associate Professor of Biological Sciences (1947-1973); BA 1932, University of Michigan (deceased)

Toffolo, E. Gary, Professor of Humanities (1970-2001); BS 1958, Northwestern University; MA 1961, University of Chicago

Truckey, John, Associate Professor of Counseling (1966-1986); BS 1958, MA 1964, Northern Michigan University (deceased)

Vialpando, Edeltraute, Professor of Foreign Languages (1967-1988); PhD 1944, Charles University, Prague, Czechoslovakia (deceased)

Ward, Louis R., Professor of English (1961-1981); BA 1939, MA 1940, University of Colorado; PhD 1959, Purdue University (deceased)

Weber, Charles L., Associate Professor of Electrical Engineering (1970-1999), BS 1964 and MSEE 1970, Michigan Technological University

Wilson, Paul W., Professor of Mathematics (1963-2000), BS 19621 and MA 1963, Central Michigan University

Youngs, Stephen P., Professor and Psychometrist (1947-1968); BS 1930, Northern Michigan University; MEd 1941, Colorado. (deceased)

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Adams, Ray, Dean, College of Engineering and Mathematics; BS 1975, MS 1978, Nicholls State College

Arbuckle, Robert D., President, Professor of History (1992-2002); BS 1964, Clarion State University; MA 1966, PhD 1972, Penn State University

Bugbee, Thomas R., Vice President for Student Affairs/Secretary to the Board of Trustees; BA 1973, Michigan State University; MA 1974, Eastern Michigan University (deceased)

DePlonty, Stella R., Assistant to the Provost for Academic Records (1960-2011)

Fenlon, Paul T., Director of Employment Services; BS 1964, Western Michigan University

Harger, Bruce T., Vice President for Academic Affairs and Provost (1967-2007); BA 1966, MA 1967, PhD 1991, Michigan State University

Markstrom, Mae E., Dean of the School of Health and Human Services (1968-1997); Nursing Diploma 1959, Grace Hospital of Nursing; BA 1970, Lake Superior State University; MSN 1977, Wayne State University; PhD 1991, Michigan State University

McLain, Tony L., President (2009-2014); BS 1969, MA 1971, Western Michigan University; PhD 1986, Michigan State University

Michels, Fredrick A., Dean of Academic Services (1976-2011); BS, University of Wisconsin; MLS, EdD, Western Michigan University

Munsell, William T., Financial Aid Director (1967-1998)

Pike, Harry E., Vice President for Student Programs and Services (1969-1997); BA 1957, University of Washington; PhD 1969, Michigan State University

Tomlinson, Earl C., Director of Financial Planning and Investments (1972-1980; 1984-1997); BS, Ferris State College; MA, Central Michigan University

White, Beverly E., Director of Human Resources (1976-2011); BS, Lake Superior State College; MBA, Lake Superior State University

Youngblood, Betty J., President (2002-2007); BA 1965, Oakland University; MA 1966, PhD 1970, University of Minnesota

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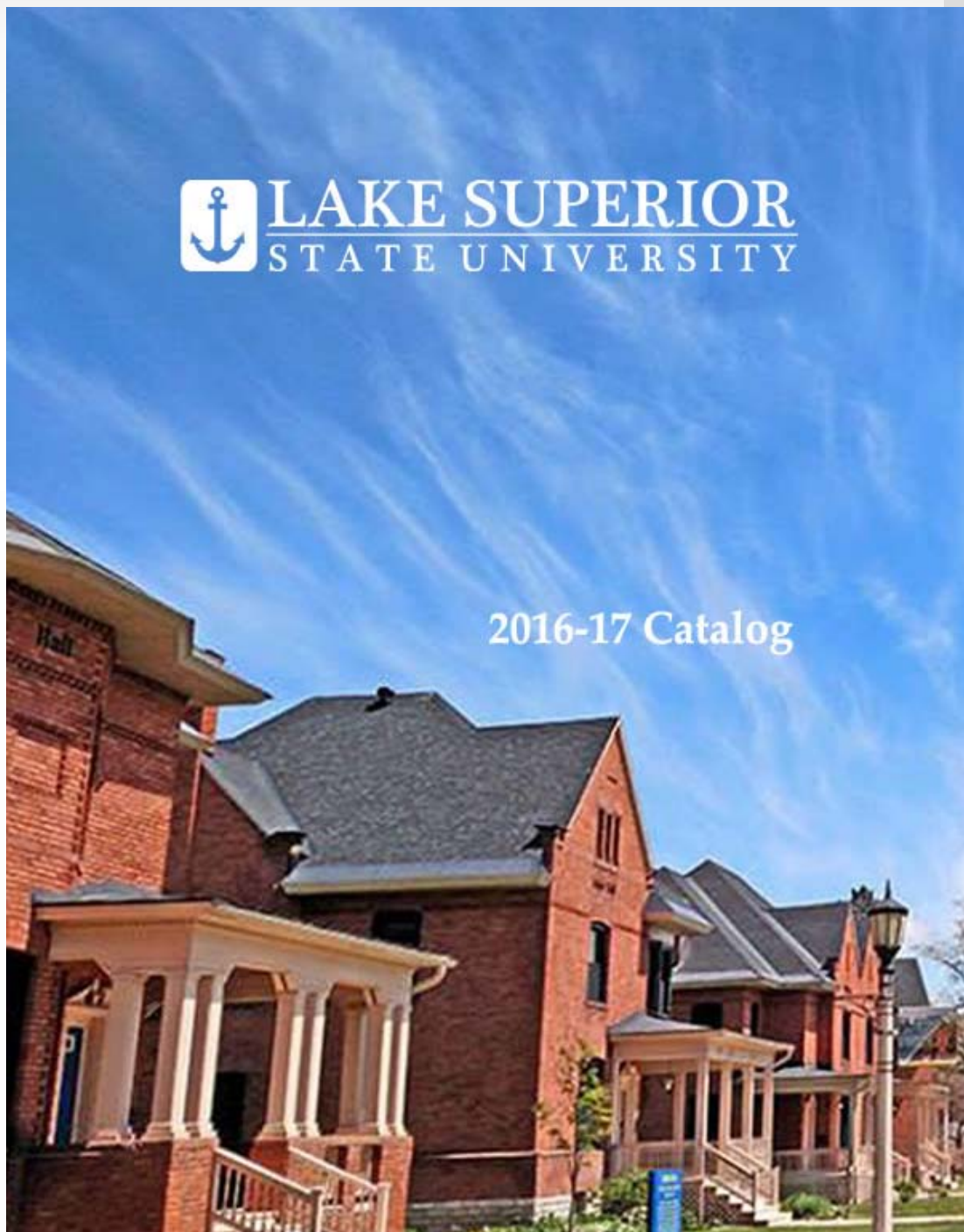
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This catalog includes general information about Lake Superior State University and its academic programs, including degree requirements for bachelors, associates and certificates. Course descriptions are available, as well as program information for each major and minor. It is recommended that if you have questions about your program, you speak to your academic advisor.



Use the links on the left to navigate the site.

Apply Online at: <http://www.lssu.edu/admissions/applying.php> 

External Links: Throughout this catalog the icon  is used to identify links which leave this catalog.

Printing: At the top right of each web page is a printer icon . Click on this icon to print the current catalog page.

Disclaimer

The University makes every effort to ensure the Catalog is current at the time of publication and that it contains relevant policies, procedures, degree requirements and other information of importance to its constituents. Because the institution is dynamic, the LSSU Catalog is for informational purposes and does not constitute a contract between the University and its students on either a collective or individual basis. Changes sometimes occur after the Catalog has been published. Please contact the appropriate office for the most up-to-date information.

It is the policy of Lake Superior State University that no person shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in employment, or in any program or activity for which the University is responsible on the basis of race, color, national origin or ancestry, gender, age, disability, religion, height, weight, sexual preference, marital status or veteran status.

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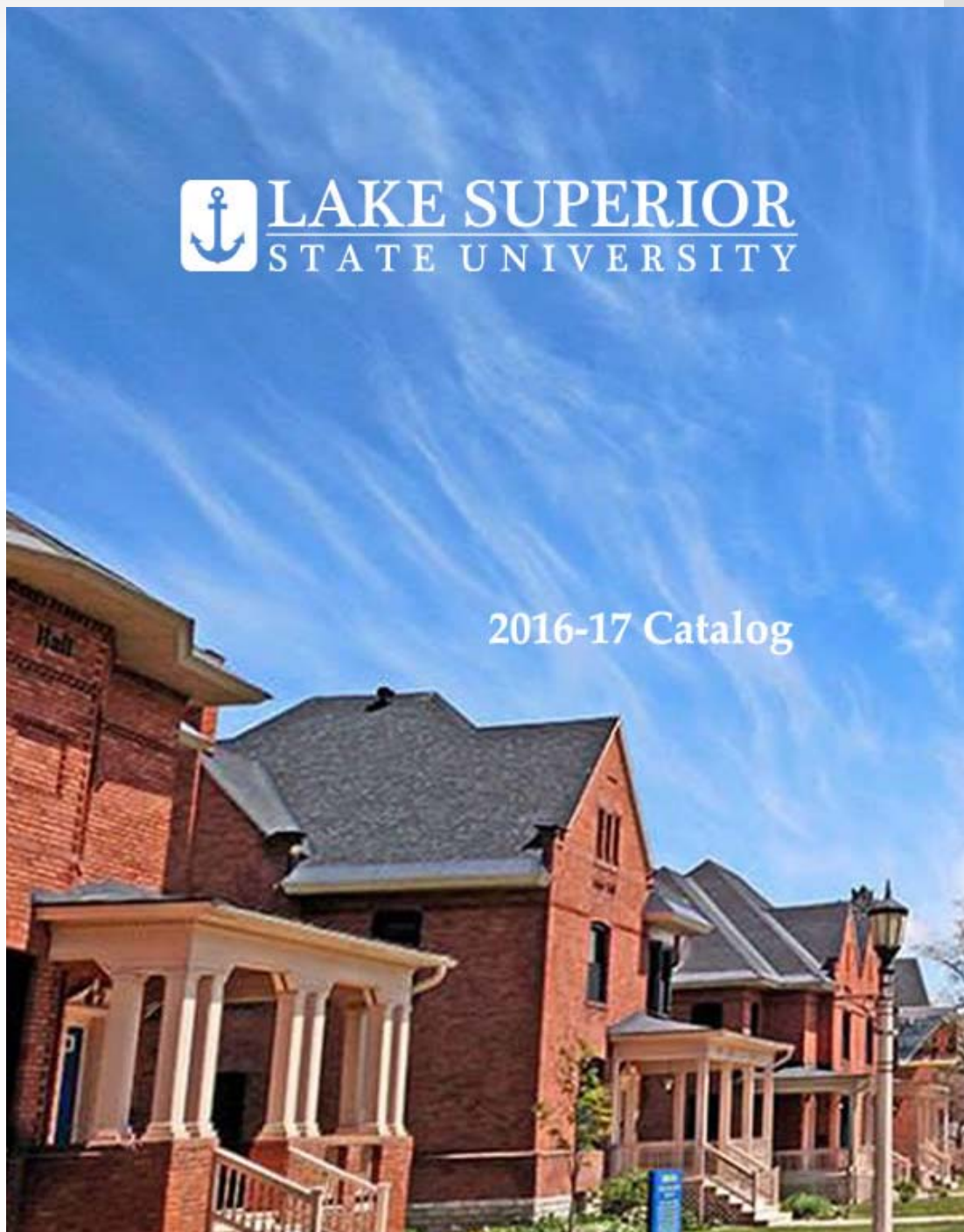
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Freshmen

A freshman student is defined as a student who has not enrolled in a postsecondary institution anytime after the summer following high school graduation.

You may apply to Lake Superior State University anytime during your final year of high school. The best time to apply is early in your senior year. Applications are processed continuously. When all necessary materials have arrived you will be notified of a decision as soon as possible. To complete your admission file you must submit an official high school transcript, application fee, and SAT or ACT scores (if you graduated from high school within 26 months of entering LSSU).

The primary factors used to determine admission are cumulative grade point average (GPA), high school course curriculum, and SAT or ACT results. LSSU recommends that students follow a college preparatory curriculum mirroring the Michigan Merit Curriculum. The middle 50 percent of our entering freshmen class typically have high school GPAs ranging from 2.90 to 3.60 and ACT scores ranging from 22-25 or SAT (taken after March 1, 2016) scores ranging from 1110 to 1220. Students should feel free to submit any additional materials which may aid the Admissions Office in reviewing unusual circumstances which may have impacted high school performance. SAT or ACT scores will not be used in the admissions process if you graduated from high school two or more years ago.

Your admission will be contingent upon satisfactory completion of current coursework and receipt of a final high school transcript with verification of graduation from an accredited school or passing on the GED. To be considered official, all transcripts and test score reports must be mailed from your high school guidance office or testing agency directly to Lake Superior State University. Transcripts delivered via approved platforms such as "Parchment" will also be considered official. Please contact the Admissions Office for information regarding approved current electronic delivery methods.

LSSU assigns each student an individual student identification number. Your student number will be provided to you when you are admitted. While we do not use social security numbers as your student identification, we do use it to match your application record with your other permanent records. Financial aid applications will not be processed without your social security number. Social security numbers should be included on your application for admission. Canadian and international student applicants should not use their social insurance number. LSSU will use your assigned student identification number.

Students denied regular admission may reapply after attending another accredited college and earning at least 19 semester (29 quarter) hours of transferable credit. Evaluation is then based upon the college record.

Home Schooled Students

Lake Superior State University does not have separate requirements for home schooled applicants. Like all applicants, home schooled students will need to provide a transcript of their high school coursework as well as SAT or ACT scores. Admission will be determined on the basis of your high school grade point average, coursework completed, and SAT or ACT scores.

SAT or ACT Testing

Students applying for academic scholarships must have SAT or ACT scores sent prior to the May 1 scholarship deadline. For students that have been out of high school two or more years, SAT or ACT scores are not required for admission.

Transfer Students

A transfer student is defined as a student who enrolls in a postsecondary institution anytime after the summer following high school graduation.

Transfer students must possess a 2.00 cumulative college GPA and be eligible to return to your former college(s). If you have completed fewer than 19 semester (29 quarter) hours of credit, you must also send an official high school transcript or GED scores in addition to your college transcript (and SAT or ACT scores if you graduated from high school within 26 months of the semester of entry).

Contact the college's Registrar's Office or high school guidance office to have an official transcript mailed to our Admissions Office. Transcripts sent via facsimile or hand delivered are not considered official. All transcripts become the property of Lake Superior State University and are not returnable.

Your complete application should be submitted at least 30 days prior to the semester of entry. Transfer students denied admission may reapply after taking additional courses that raise their overall GPA to above a 2.00.

Transfer Credit Evaluations

Official evaluation of transfer credit is made upon acceptance to LSSU. The Admissions Office will help you with an unofficial transcript review at your request.

If a course taken at another institution is not offered at LSSU, elective credit may be granted for that course. Elective credits may be applied toward degree requirements but may not be used to satisfy any specific course requirements.

Courses with grades less than C- will not transfer. A grade of C or higher may be required for some programs.

The Admissions Office completes transfer credit evaluations based on equivalencies determined by the faculty. The decision on courses and transfer credit granted may be appealed first to the academic dean and then to the provost.

Provisional Credit

Credit earned at an institution not listed in the American Council of Education's publication, Accredited Institutions of Post-Secondary Education is granted provisionally. You must complete at least 15 semester hours of credit with a cumulative GPA of 2.00 at LSSU before provisional credits will become part of your permanent record.

Michigan Transfer Agreement (MTA)

In order to satisfy the MTA, students must successfully complete at least 30 credits from an approved list of courses at a sending institution with at least a grade of 2.00 in each course. These credits, which will be certified by a sending institution, should be completed according to the following distributions:

- One course in English Composition
- A second course in English Composition or one course in Communication
- One course in Mathematics
- Two courses in Social Sciences (from two disciplines)
- Two courses in Humanities and Fine Arts (from two disciplines excluding studio and performance classes)
- Two courses in Natural Sciences including at least one with laboratory experience (from two disciplines)

Students admitted to Lake Superior State University who have the MTA stamp on their transcript are recognized as having completed the general education requirements at Lake Superior State University.

Students who do not complete the entire block of courses required by the MTA will receive credit for the courses they do complete on the basis of individual course evaluation and established transfer equivalencies.

It is important to note that the MTA is not the best fit for all programs. There are many programs in Michigan for which the MTA is not a good fit. Students are encouraged to work with their advisors at their destination institution (LSSU) in order to select a path that is best for them.

LSSU-Wisconsin Bridge Agreement

Students transferring from the University of Wisconsin Colleges with an Associate of Arts & Science degree are recognized as having completed the general education requirements at Lake Superior State University.

MACRAO Transfer Agreement

Michigan community college students admitted to Lake Superior State University who have the MACRAO stamp on their transcript are recognized as having completed the general education requirements at Lake Superior State University.

Sault College Transfer Agreement

Sault College of Applied Arts and Technology students admitted to Lake Superior State University who have the GECERT stamp (liberal studies degree) on their transcript are recognized as having completed the general education requirements at Lake Superior State University.

Residency Requirement

There is no limit to the number of transfer credits allowed from other institutions but students are required to complete LSSU's [Residency Requirements](#).

Early Admission Policy

Students under the age of 18 that apply for early admission to LSSU who do not possess a high school diploma or GED will be counseled on an individual basis by a member of the Admissions staff.

Former Students

Former Lake Superior State University students who miss one or more semesters (not including summer) must submit an Application for Readmission prior to the semester of re-entry. There is no application fee. If you have attended another college during the period of absence, you must submit official transcripts and meet our transfer student admissions requirements. Those students who were academically dismissed must meet the requirements for re-enrollment as defined by the Scholastic Standards Committee.

Guest Students

Students enrolled at another college or university may be admitted to LSSU for one semester as a guest student. An extension of one additional semester may be granted for extenuating circumstances. If you intend to enroll full time for more than one semester, you must submit an Application for Admission as a transfer student. Guest students assume responsibility for determining if LSSU courses apply to their program at the college from which they intend to graduate.

Ontario Students

Ontario student applicants must satisfy entrance requirements comparable to those of United States students. Please refer to the "Freshmen" and "Transfer" sections of the catalog for details. Ontario students are not required to take the SAT or ACT for admission consideration.

If you have completed grade 13 or OAC courses before September 1990, you will receive transfer credit at the University for each course in which your final mark was at least a 60 percent. Transfer credit is not given for any OAC courses taken after September 1990. However, completion of OAC courses prepares some students to earn credit through testing. See section titled "Credit by Examination".

Admitted Ontario students must provide verification of ability to pay in order to receive a Certificate of Eligibility for Non-Immigrant (F-1) Student Status (Form I-20) required to attend a university in the United States. This is not an admissions requirement for Ontario students; however, an I-20 form is required for you to cross into the U.S. to attend classes. Please refer to "Verification of Ability to Pay" section in the catalog for details.

If you are a Permanent Resident or able to be in the U.S. with another form of documentation, you are required to submit a copy of this documentation.

If you are a Canadian Aboriginal or Native American (excluding METIS) with at least 50% blood quantum and have J-treaty privileges (carry a tribal ID), you are exempt from needing an I-20 form. You must provide a copy of your tribal ID and an official tribal-issued letter showing proof of blood quantum.

Ontario students planning to attend part-time (fewer than 12 credits) and commute to the University will be issued a new I-20 form each semester upon the verification of the payment of tuition and fees, or after submission of financial information as outlined above.

Ontario students are required to provide a copy of a valid Provincial Health Card (both sides) verifying coverage under a provincial health care program. LSSU highly recommends that students purchase adequate health insurance coverage while in the U.S. Students, however, may request to [waive](#) the purchase of additional health and accident insurance.

International Students (Excluding Ontario Students)

We recommend international students submit all application material by July 15 for

the fall semester and November 15 for the spring semester. You will be required to provide official transcripts evaluated by World Evaluation Service (WES) or Education Credential Evaluators (ECE) on a comprehensive course-by-course basis. Websites for WES and ECE are www.wes.org and www.ece.org. This applies to both first time in college students as well as transfer students. Transfer students who have earned fewer than 19 semester hours of college credit will also need to provide their high school transcripts.

International applicants must also provide verification of ability to pay, prove English proficiency, and purchase health and accident insurance through the University sponsored program. Please refer to those sections for specific information.

Applicants should not consider themselves admitted to LSSU until they have provided all required documents and have received an official letter of acceptance. Following the letter of acceptance, the I-20 form is sent, as required by the U.S. Immigration and Naturalization Services.

If you are a Permanent Resident or able to be in the U.S. with another form of documentation, you are required to submit a copy of this documentation.

If you are a Canadian Aboriginal or Native American (excluding METIS) with at least 50% blood quantum and have J-treaty privileges (carry a tribal ID), you are exempt from needing an I-20 form. You must provide a copy of your tribal ID and an official tribal-issued letter showing proof of blood quantum.

International students are required to purchase health and accident insurance through the University sponsored program.

Verification of Ability to Pay – Ontario and International Students

The U.S. Immigration and Naturalization Services (INS) requires that LSSU have verification of your ability to pay for tuition/books and expenses before we can issue a Certificate of Eligibility for Non-Immigrant (F-1) Student Status (I-20). This form is required for you to cross the border into the United States.

An acceptable financial document must have been submitted not more than nine (9) months before the term you intend to enroll at LSSU. The document also needs to be current within the last 90 days. Inclusion of false information in the financial statements is grounds for dismissal. Verification may be documented by the following: personal savings or verification of loans or scholarships received, a parent or sponsor, government or sponsoring agency, or by LSSU anticipated support.

As of September 1, 2004, the U.S. Department of Homeland Security (DHS) has implemented a rule requiring F-1 visa applicants to pay a one-time fee to supplement the administration and maintenance costs of the Student and Exchange Information System (SEVIS). Because we will be issuing you an initial I-20 form, you will be required to pay this SEVIS fee. Information about payment of the fee and the processing of your I-20 form upon entry to the U.S. will be provided to you with your initial I-20 form. You may also check our website for additional information: www.lssu.edu/admissions/international.

Proof of English Proficiency

Proof of English proficiency is required for admission to LSSU as an international student. English proficiency can be proven in several ways:

1. Score 500 or above on the paper-based [Test of English as a Foreign Language \(TOEFL\)](#) or a score of 61 on the internet-based TOEFL. Please use institutional code 1421 to report scores directly to LSSU.
2. Score of 72 on the Michigan English Language Assessment Battery (MELAB). Write: English Language Institute, MELAB Testing, 3020 North University Building, University of Michigan, Ann Arbor, Michigan 48109-1057, U.S.A.
3. Completion of Level 112 at any ELS Language Center located in the U.S. More information can be found at: www.studyusa.com or at www.els.com, 1-609-750-3500 or info@els.com.
4. APIEL - Advanced Placement English Language Test with a score of 3 or higher.
5. SAT critical reading score of 480 or higher for tests taken before March 1, 2016, minimum overall score of 965 or higher, ACT equivalent is 20. For SAT tests taken after May 2016 an evidence based reading and writing score of 290.
6. Completion of two (2) years of study at a school, college or university located in an English-speaking country.
7. IELTS - International English Language Testing System with a score of 6.0 or higher.

Undocumented Students

Students who are undocumented are considered domestic students, not international students for admissions consideration. They must meet our regular admission requirements. Undocumented students residing in North America will be classified as residents for tuition assessment. Undocumented students are not eligible for financial aid or scholarships.

Orientation

All new students (including transfer students) attending main campus are required to attend and participate in [orientation](#). Orientation is when students learn important information on academic policies and procedures that students are expected to follow while attending LSSU. Students will also learn about the wide range of services available to assist them in having a successful university experience.

Part-time Enrollment

You may enroll as a part-time student and take up to 11 credits per semester in courses for which you have sufficient academic background. United States students attending part-time who are not seeking financial aid or a degree or certificate do not have to formally apply for admission.

Canadian (commuter) students wishing to attend part-time must apply for admission and be accepted into a degree program. Note that all other international students must maintain full-time enrollment (12+ credits) to maintain F-1 status.

As a non-admitted part-time student, you are not assigned a faculty advisor. You are encouraged to seek assistance in selecting courses from the appropriate academic departments.

Current high school students should refer to the section regarding dual enrollment.

Career and Technical Education

Lake Superior State University recognizes the excellent academic achievement of students completed through the Career and Technical Education programs throughout the state by awarding university credit for this work completed while in high school. Through this partnership students are able to begin their university

studies by completing their CTE curriculum. Lake Superior State University is a proud partner with the Michigan Department of Education, Michigan High Schools, and Michigan Career and Technical Education Centers in providing direct pathways for students to continue their education after high school. Through [coordinated Articulation Agreements](#), LSSU assists students to realize a seamless and systematic transition, maximizing the use of resources and minimizing duplication of content as they move from their secondary to their postsecondary educational experience.

Dual Enrollment for High School Students

Effective July 2012, State law now allows qualifying 9th and 10th grade students (in addition to 11th and 12th grades) to attend as dual enrolled students in a postsecondary institution. To be eligible, students must be enrolled in at least one (1) high school class in a school district. A student must receive a qualifying score in each subject area on a reading assessment or the Michigan merit exam (MME) in order to be eligible to take all eligible courses; otherwise, he/she can only take courses in the area for which a qualifying score was achieved. If no qualifying score was achieved, the student is limited to a course in computer science, or foreign language, or a course in fine arts as permitted by the school district. Students must also meet any course prerequisite requirements. Students must be in Good Standing (cumulative gpa of 2.000 or higher) at LSSU to be eligible for continued enrollment. Students on probation are limited to course repeats, if available. Eligible students are limited to no more than ten (10) courses overall if the school district covers the cost; this limit does not apply if the student is covering costs.

Registration will be coordinated by the Admissions Office in conjunction with the Registrar's Office, once a student has completed the required form and has been approved as a dual enrollee. Students may pick up the Dual Enrollment Form from their high school guidance office, the LSSU Admissions Office, or at www.lssu.edu/admissions/dualenrollment/. Attendance as a high school dual enrollee does not constitute admission to a degree program. LSSU encourages students to apply for admission early in their senior year for a major of their choice.

Placement Testing (COMPASS)

LSSU will use SAT and/or ACT scores to place students in courses required for their degree and matched to their level of academic preparation. Occasionally, these test scores do not reflect a student's true preparedness or, depending on their admission status, SAT or ACT scores may not have been required. In that case, students will take English, reading, and math placement tests to determine which courses they should schedule. [The table](#) shows the relationship between SAT/ACT scores and LSSU English or math courses.

Students with high SAT, ACT or placement scores are invited to enroll in honors English. High scores in mathematics will also allow students to enroll in higher-level math courses.

Students with low scores in English, reading and mathematics will be required to take preparatory coursework that does not count towards degree requirements.

Transfer students without appropriate course work in English and mathematics (see degree requirements) are also required to take placement tests. Transfer students may meet placement requirements by their SAT or ACT scores if they submit their scores to LSSU.

Credit by Examination


You may earn university credit by examination. The University grants credit from Advanced Placement, International Baccalaureate (IB), College Level Examination

Program (CLEP) and departmental exams. If you are already attending Lake State, you may earn credit through both CLEP and departmental exams.


You must meet the following criteria before credit by examination will be entered on your transcript:

1. be an admitted full-time student, and
2. be enrolled at Lake Superior State University.


Advanced Placement Program (AP)

Advanced Placement Exams are administered at high schools each May. LSSU grants credit in select AP exams passed with a score of three or higher. If an essay is part of an individual exam, it must be submitted to University Testing Services for evaluation. To receive credit, the essay must be satisfactory and you must have a minimum score of three on the test. Credit for AP is granted as shown on the [table](#) .

International Baccalaureate (IB)

Lake Superior State University offers college credit for students who complete IB coursework with strong results. LSSU will grant credit only for Higher Level exams and scores of 5 or above. Credit for IB is granted as shown on the [table](#) .

College Level Examination Program (CLEP)

You may take CLEP exams at a computer testing center, including Lake Superior State University's Testing Services. LSSU offers CLEP exams every month except December. Credit for CLEP is granted as shown on the [table](#) .

You may receive credit toward specified courses that meet general education requirements.

CLEP general and subject examination credit may not be used to repeat courses previously taken unless permission is granted from the academic department offering the course.

Grades for general examinations are recorded as credit without grade points.

Credit may be earned for individual courses by passing CLEP subject examinations.

Dantes ACE Credit

LSSU is proud to accept your credit for prior military experiences. Once we receive an official transcript, your transcripts (including military training) will be evaluated and credit will be granted based on American Council on Education (ACE) recommendations. If your Dante's equivalence is not listed, contact the Registrar's Office for further review. Credit is granted as shown on the [table](#).

Departmental Exams

Departments may provide their own examinations for certain courses. You must have the written approval of the appropriate School Chair to take the examination. The [Credit by Departmental Exam Application Form](#) can be found online and in Anchor Access. There is a fee charged per credit hour. An examination grade of 2.00 or better is required for credit to be earned. Credit earned by exam is recorded as transfer credit on the student's transcript. Some universities may not accept transfer credit earned by departmental exam.

Health Record

Everyone entering Lake Superior State University for the first time should complete an Immunization Record and Health History Questionnaire. The form is mailed to admitted students. These questionnaires are not considered for admission to the University. The information helps the University's Health Care Center better serve your needs.

Note: Information in the admissions section of the catalog is for information only and not part of an enrollment contract.

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Overview

NOTE: Students are automatically considered for Board of Trustees Scholarships upon completing application to LSSU by May 1st for the following fall semester.


Financial Aid Mission Statement

The mission of the Financial Aid Office is to provide accurate and timely financial aid information to students to meet their educational expenses.

Our goal is to offer all students a balanced financial aid package that is competitive and attractive, and best utilizes the resources available.

We strive to assist and educate our students by providing the best service possible so that they can focus on their educational experience.


Financial Aid Office

The LSSU Financial Aid Office staff is available to assist students with the financial aid process. Our experienced staff is available during office hours to respond to financial aid questions and requests. No appointments are necessary. Students are assisted in the office on a walk-in basis or may call (906) 635-2678 to speak with a financial aid representative. The Financial Aid Office email address is finaid@lssu.edu and website is <http://www.lssu.edu/finaid> . The Financial Aid Office is located in the Fletcher Center for Student Services on the campus of Lake Superior State University.

Financial Aid Offer

Financial aid is any money used for students' educational expenses and includes grants, scholarships, loans and student employment. An offer of financial aid in the form of a university scholarship is made when a qualified student is initially admitted to LSSU. Other offers of aid follow the admission and receipt of federal applications or athletic tenders. LSSU participates in federal, state and province aid programs and provides a generous institutional scholarship and grant program. An "Official Offer of Award" letter from the Financial Aid Office is sent after all documents needed to complete a student award are received and reviewed.

Applying for Federal Financial Aid

To apply for most types of aid, students must complete a [Free Application for Federal Student Aid \(FAFSA\)](#) . This application must be renewed each academic year for a student to continue receiving financial aid. The priority filing date for the FAFSA is March 1, and students who have completed a FAFSA by this date will be considered first for priority financial aid. Priority aid includes certain federal and state grants, the Perkins Loan and Federal Work Study. **Title IV School Code for LSSU is 002293.**

Scholarship Selection

Scholarship recipients are usually selected based on competitive examinations, scholastic records and/or financial need. The American College Test (ACT) and the College Board SAT test serve as the University's primary tests for scholarship consideration. Test results must be on file by May 1.

Scholarship Requirements

Board of Trustees' Scholarships are determined by a total point value that is based on GPA and ACT/SAT score. A minimum GPA of 3.00 and ACT of 19 is required for automatic review for a scholarship. The recipient of any award must be a full-time student carrying 12 academic hours or more each semester.

Satisfactory Academic Progress (SAP) Requirements for the Retention of Financial Aid at Lake Superior State University

If you are receiving any form of financial aid, you must meet these satisfactory academic progress requirements to retain your aid each semester.

Financial aid regulations require that a student must make satisfactory progress to remain eligible for financial aid. Financial aid programs affected by this policy include Federal Pell Grant, Federal Perkins Loan, Federal Work-Study, Federal Supplemental Educational Opportunity Grant, Federal Direct Loans, Federal PLUS Loans, State of Michigan and Institutional Scholarships, Grants, Loan and Work Programs, and some Rebates and Tuition Waivers.

The **minimum requirements** for all types of financial aid include three standard measures — the cumulative GPA, the number of credits earned each semester, and the pace of completing your degree. In addition, there are some types of aid with more stringent requirements, such as scholarship renewal requirements.

Minimum GPA Standard: Students must maintain a minimum cumulative grade point average (GPA) of 2.0 each semester to remain in good standing.

Credits Earned Standard: Each student's progress in total overall credits attempted and earned will be reviewed every semester. Students must earn 67% of the total number of credits attempted to maintain eligibility for aid.

Overall Att. Credits	Must Earn 67%	Attempted Credits	Must Earn 67%	Attempted Credits	Must Earn 67%
200	134	20-21	14	11-12	8
150	101	19	13	10	7
100	67	17-18	12	8-9	6
75	51	16	11	7	5
50	34	14-15	10	5-6	4
25	17	13	9	4	3
				1-3	all

Each semester the total number of credits attempted and earned will be evaluated, including remedial coursework. All prior LSSU credits will be used to determine if the student has earned at least 67% of their total credits attempted. For example, if a student attempts 16 credits for fall and 16 credits for spring semester, the student must earn 22 credits to meet the 67% completion requirement. ($16 + 16 = 32 \times 67\% = 21.44$ credits or 22.)

NOTE: Transfer credits that have been evaluated and accepted for credit at LSSU will be added to both the credits attempted and earned cumulative totals, however, transfer students must also earn 67% of their LSSU credits each semester to maintain good standing. Consortium students must earn 67% of the combined total credits each semester (credits at both LSSU & the community college) to maintain good standing at LSSU.

Maximum Time Frame — 150% of Length of Program: A student must complete the highest degree being sought within 150% of the published length of his/her program. For example, students working on a baccalaureate program of 124 credits may receive aid for 186 attempted credits, **including transfer attempted credits:**

Degree	Average Credits Needed	Maximum Time Frame
Paramedic Certificate	40	Within 60 attempted credits
LPN Certificate	47	Within 70 attempted credits
Pre-Nursing BSN	56	Within 84 attempted credits
Associate	62	Within 93 attempted credits
Bachelor	124	Within 186 attempted credits
Teaching Certificate	136	Within 204 attempted credits
Master's	36	Within 54 attempted credits

One WARNING SEMESTER

If a student does not meet the Financial Aid Satisfactory Academic Progress (SAP) at the end of each semester, the student will be given one warning semester. Students may receive aid during the warning semester. If a student fails to meet the standard for the second consecutive semester enrolled, the financial aid **will be suspended**. During the *WARNING SEMESTER*, it is **highly recommended that students plan ahead and work with an advisor to correct deficiencies**.

Financial Aid Suspension

No aid will be granted once a student's eligibility is suspended, including but not limited to federal, state and institutional aid.

Right to Appeal

A student whose aid is suspended may request reinstatement through the Financial Aid Appeals Committee. The student must effectively demonstrate that the failure to meet SAP was due to an unusual or extenuating circumstance, and explain what has changed. The directions and required forms for the appeal process are available online at www.lssu.edu/finaid/pdfs/appealprocess.pdf

Financial Aid Self-Reinstatement

Once financial aid is suspended, both the cumulative GPA and credit hour completion standards must be met in subsequent semesters of at least six credits before reinstatement of aid is possible. Students who successfully complete a minimum of six credits at LSSU while not receiving financial aid must contact the Financial Aid Office to request a review for reinstatement.

If completion of "I" grades or other record changes warrant a reinstatement, a copy of the transcript must be submitted to the Financial Aid Office with a written request for a review.

Repeat Policy for Financial Aid Recipients

Students may use financial aid to repeat coursework that has been previously failed. Students may also use financial aid one time when repeating coursework to improve an earned letter grade of D- or higher.

For example, a student taking a course for the first time who received an F grade could have financial aid to repeat the course. If the student received a D grade for the repeated course, the student **could** have financial aid one more time to repeat the course to raise the grade. Students advised to retake passed courses more than once to improve their GPA may do so at their own expense, provided the repeats are allowed by the department.

Note: Satisfactory Academic Progress Policy is in compliance with the Department of Education Final Regulations published Oct. 29, 2010 - 34CFR 668.16(e), 668.32(f) & 668.34.

LSSU Scholarship Renewal Requirements

Congratulations on receiving a Lake Superior State University scholarship. If your scholarship was offered to you as a "renewable" award, it is important that you have met the criteria listed below each spring when your eligibility is reviewed for the next year.

General renewal requirements include:

1. **You must earn a minimum of 24 LSSU credits each academic year** while receiving a scholarship, unless otherwise noted in your award, and the minimum cumulative GPA as required by the award.
2. You must maintain enrollment each semester (fall & spring) as a continuous full-time LSSU student. Enrollment for summer semester is not included.
3. If you withdraw or leave LSSU for any reason, your scholarship will automatically terminate. If you plan to leave for a study abroad program, internship or health reasons, you may write an appeal to have your scholarship postponed until you return.
4. To receive the room and board component of any scholarship, you must be in the on-campus room and board program for the semester. If you leave on-campus housing, the room and board award will be terminated. If you return to campus housing (you must be on the room and board plan for the full semester), you can request reinstatement of the room and board component prior to the beginning of the semester you return.
5. Most scholarships offered to freshmen are renewable for up to four years. Students in their teaching internship semester may be eligible to receive a 9th semester renewal.
6. Changing majors does not affect the Board of Trustees' Scholarships, but may affect departmental awards that require enrollment in certain majors.
7. **Scholarships are not reinstated on appeal**, except for students who have left school for reasons stated in #3.
8. The scholarship renewal policy is separate from the University's Academic Standards and Satisfactory Progress Standards for the retention of other forms of financial aid.
9. If you do not meet renewal requirements when your eligibility is reviewed each year, but raise your LSSU cumulative GPA or credits earned to the minimum requirements prior to the start of the next semester, you must notify the Financial Aid Office in writing that your student record has been updated with new information warranting a review.
10. LSSU Regional Center students may reactivate a Board of Trustees renewable scholarship by notifying the Financial Aid Office prior to semesters of full-time attendance in LSSU courses, provided that GPA requirements are met.

Note: Some types of financial aid awards, such as an employee rebate, the Native American Tuition Waiver, or the Tuition Incentive Program, could affect your eligibility for an LSSU scholarship. Please contact the Financial Aid Office for further details.

In addition to earning the minimum number of credits (24) required each year, scholarship winners must meet the following minimum cumulative GPA requirements to maintain their awards:

Board of Trustees Distinguished Scholarship & LSSU Partial to Full Tuition Scholarships (>\$5000 per year):

3.00 or better cumulative gpa after 2 semesters of study

3.10 or better cumulative gpa after 4 semesters of study

3.20 or better cumulative gpa after 6 semesters of study

Board of Trustees Academic Excellence Scholarship, Board of Trustees Recognition Scholarship, Board of Trustees Transfer Scholarships, LSSU Foundation Scholarships*:

2.50 or better cumulative gpa after 2 semesters of study

2.60 or better cumulative gpa after 4 semesters of study

2.70 or better cumulative gpa after 6 semesters of study

* Includes most other renewable institutional scholarships with a value less than \$5000 per year, unless otherwise stated in criteria.

Note: Transfer credits are included when determining "semesters of study."

Frequently Asked Questions

Full tuition scholarships are limited to 12-17 credits per semester for the academic year and do NOT include any special course fees, program fees, media fees, etc.

Full tuition scholarships can not be combined with tuition waivers, such as Michigan Indian Tuition Waiver or Employee Rebates.

Recipients of donor-funded scholarships are encouraged to write thank you letters to the donors and may be invited to special donor events.

Departmental scholarship recipients must notify the Financial Aid Office if changing their major course of study to determine the effect on their award!

New Scholarships for Current Students

Renewable scholarships are based on your grade level and number of credits transferred or earned at the time of your award. For example, if you are offered a renewable scholarship as a sophomore, you will generally be eligible for two additional years of scholarship. If an ending date is not stated in your offer of scholarship, please contact the Financial Aid Office if you have questions about the renewal features of your award. Except for students in their fifth year of the teaching program, scholarships are generally not available to students with more than four years of higher education or eight semesters of study or more than 124 attempted credits.

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Overview

An exact outline of University fees and assessments can be found in Business Operations. These costs are determined by the Lake Superior State University Board of Trustees.

A fee of \$25 for filing online or \$35 for paper filing (United States funds) must accompany each Application for Admission to Lake Superior State University. The fee is nonrefundable and does not apply toward tuition or other fees.

Residency Policy for Tuition Purposes

Effective the Fall Semester 2015, all students with citizenship in North America, or lawful permanent residents of the United States, will pay in-state tuition (One Rate at Lake State). Children of LSSU alumni are also eligible for the One Rate at Lake State resident tuition rates. North America is defined as the land mass north of the Panama-Colombia border and the islands of the Caribbean*.

Students without North American citizenship or without permanent residency will be required to pay non-resident (international) tuition.

Any individuals using educational assistance under either Chapter 30 (Montgomery GI Bill® – Active Duty Program), Chapter 33 (Post-9/11 GI Bill®), of title 38, United States Code, and/or the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in the State of Michigan while attending Lake Superior State University (regardless of his/her formal state of residence) are eligible for in-state tuition.

Initial decisions on classification of residency shall be made by the Director of Admissions at the time of admission. Requests for reclassification shall be made to the Registrar. Students may appeal these decisions to the Provost.

* Countries and Territories: Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Belize, Bermuda, Bonaire, British Virgin Islands, Canada, Cayman Islands, Clipperton Island, Costa Rica, Cuba, Curaçao, Dominica, Dominican Republic, El Salvador, Greenland, Grenada, Guatemala, Guadeloupe, Haiti, Honduras, Jamaica, Martinique, Montserrat, Mexico, Navassa Island, Nicaragua, Panama, Puerto Rico, Saba, Saint Barthélemy, Saint Kitts and Nevis, Saint Lucia, Saint Martin, Saint Pierre and Miquelon, Saint Vincent and The Grenadines, Sint

Eustatius, Sint Maarten, Trinidad and Tobago, Turks and Caicos Islands, USA (United States of America), United States Virgin Islands.

Policy: Tuition/Fees

All tuition and fees are payable according to established due dates. Students delinquent in payment of a financial obligation are subject to enrollment cancellation and/or late fees until all amounts due the University are paid or satisfactory arrangements are made with Business Operations.

Anyone who is delinquent in any obligation to the University will not be allowed to register for classes. Additionally, University services will not be provided until financial obligations are met. Registration is not complete until fees are paid. A check or draft returned to the University and not honored by the bank constitutes nonpayment and may result in cancellation of registration.

Students auditing a class are assessed full tuition and fees for the course and an AU grade is recorded on the student's official transcript upon completion of the course. Michigan residents who are 60 years of age or older may audit undergraduate courses compliments of LSSU. No records are kept of their audits.

In addition to tuition, there are various fees assessed to students in specific situations.

Activity Course Fee: The activity course fee is an additional charge applied to one-credit courses in music and recreation. These courses are elective.

This activity fee is assessed on all students enrolling in one-credit music (one-credit activity and performance courses with an MUSC prefix, except MUSC210) or one-credit recreation (one-credit activity courses with an RECA prefix) classes.

Administrative Fee: Administrative fees will be charged for departmental exams.

Distance Education Fees: These fees are charged to offset the costs of non-traditional modes of instruction, including any course listed as online, interactive t.v., or courses recorded for future distribution and viewing. Distance Education Fees are not charged on any course in which Regional Center Fees are also assessed.

Enrollment Fee: The enrollment fee is a one-time fee established to partially cover the costs associated with the orientation of new students.

The enrollment fee is assessed on all new and transfer students when they are admitted to a degree program.

Late Fee: Students who do not make payment or enroll in a payment plan by the due date will be charged a 1.5% late fee. For each month thereafter, the University will charge an additional 1.5% late fee for any outstanding balance on the 16th of each month and a hold will be placed on the student's account until full payment is made. The hold prevents registration into classes for subsequent semesters and inability to receive a copy of a University transcript. Balances still outstanding after 90 days will be turned over to collections.

Late Registration Fee: The Late registration period is defined as the period after the first payment due date for each semester until the close of the six day add/drop period. For the fall semester, the first due date is August 15. For the spring semester the first due date is December 15. No late registration fees are charged for the summer semester. Students who register in person or online during the late registration period are assessed a \$100 late registration fee. Students who register

for classes after the six day add/drop period will be assessed a late registration fee of \$200.

Liability Insurance Fee: The liability insurance fee is a one-time per semester charge for students enrolled in select Biology, Exercise Science, Nursing, and Paramedic courses that involve direct student/patient contact.

Non-Sufficient Funds (NSF) Fee: A NSF fee will be assessed for any check or bank draft returned due to insufficient funds.

Program Fees: The program fee is an additional charge per credit for courses in athletic training, biology, chemistry, engineering, exercise science, natural science, nursing and paramedic technology.

Regional Center Fee: The regional center fee is an additional charge per credit, charged for courses delivered by instructors at the regional centers.

The regional center fee is assessed on all students registering for a course at an LSSU Regional Center.


Special Course Fee: Special course fees are charged to cover costs of supplies, equipment, maintenance, and student transportation over and above the normal costs for all courses. These fees become part of the department supply and equipment budget.

Special course fees are assessed on students taking the course for which the fee is charged.

Student Activity and Media Fee: This fee was requested by the Student Government and approved by the Board of Trustees on June 30, 2003, to support Student Government, student activities, the student radio station WLSO, and the student newspaper, The Compass.

The student activity and media fee is a flat fee assessed on all enrolled students except those registered for internship classes, for classes at a regional center, or dually-enrolled at LSSU and a high school.

Vehicle Registration Fee: This fee entitles a student to register one student vehicle to be parked in a campus parking lot.

The fee is refunded only under certain conditions. Vehicle registration information is available at www.lssu.edu/parking .

Withdrawal/Refunds

If you decide to drop your classes, you, must complete the following:

1. Pick up a Withdrawal Form at the Registrar's Office, located in the Fletcher Center for Student Services.
2. Gather the required signatures (shown on the form). Note: if you have received federal loans as financial aid, you will be required to complete an exit interview at the Financial Aid Office. You may also be required to speak with a financial aid officer. You will need to provide the complete addresses and phone numbers of two people (living at different addresses) as references for the exit interview process.
3. Deliver the completed form to the Registrar's Office and clear any outstanding charges or holds that may prevent your return at a later date or prevent the release of your academic records. Your withdrawal date will be determined by the date the completed form is submitted to the Registrar's Office. Any

refunds will be calculated as of that date.

Withdrawal and Refund Policy for Fall and Spring Semesters		
Courses Dropped	Time of Withdrawal	% of Refund
Any or all classes	Prior to class - 6th school day*	100%
Dropping all classes	7th-8th school day	90%
Dropping all classes	9th-19th school day	50%
Dropping all classes	20th-38th school day	25%

**There are no refunds for partial drops after the sixth day.*

All withdrawals should be done in person. If you are unable to complete the process in person, the Registrar is the only University authority that can authorize the process of your withdrawal over the phone. Please contact the Registrar's Office at 906-635-2682 for assistance. If you are a federal recipient, you will need to complete your exit process with the Financial Aid Office.

After your completed Withdrawal Form is accepted, your University charges will be reduced according to the withdrawal and refund policy. If you have not received any form of financial aid and there is a credit balance on your account, you will be sent a refund check. If you have received aid, your aid may have to be returned to the appropriate source. You may then have a balance due to the University. A bill will be sent and is payable upon receipt.

Financial Aid Return Policy: Applies to students receiving federal and state financial aid including loans and scholarships, and institutional and private aid.

- First, your account will be credited according to Lake Superior State University's Refund Policy (on or prior to the 38-day withdrawal period). The summer semester refund policy is shortened.
- Then, your financial aid will be reduced in direct proportion to the length of time you remained enrolled, up to 60 percent of the semester.
- PLEASE NOTE: If you have received a payment for excess financial aid and you withdraw, you could owe the University and/or the federal government money.
- Any remaining refund due you, after all funding sources have received the appropriate credit, will be refunded directly to you.

For example: If there are 101 days in the semester and you withdraw on the 45th day, your federal aid would be reduced to 45% (45/101). If your total cost to attend was \$4,000 and it was paid with federal aid of \$2,400 and a personal payment of \$1,600, your federal aid would be reduced to \$1,080. You could owe the University \$1,320.

Attendance Policy for federal financial aid recipients: Regular class attendance is required for students receiving federal financial aid. If you are reported for non-attendance in any or all of your courses, your financial aid may be withdrawn.

If you fail to demonstrate attendance by earning credits for a semester while receiving federal aid, your aid may be returned and you may owe unearned funds back to the University.

Leaving school: For information about leaving the University see Withdrawal. Non-

attendance of classes or checking out of campus housing does not constitute withdrawal, nor does academic dismissal. Students who leave but do not withdraw are responsible for full tuition and fees and will receive failing grades on their transcript unless an official Withdrawal Request Form is filed with the Registrar's Office.

Students who fail to earn credits for the semester while receiving financial aid are subject to Title IV refund requirements and may lose all or part of their financial aid.

Transcript fee: One official transcript is provided to all students, either before or after graduation. There is a \$5 fee for each additional transcript.

Delinquent accounts: Students with delinquent accounts may be removed from class, have their diploma withheld, and/or have transcript requests denied.

Room and Board Applications

Housing applications: Unmarried students enrolled for 12 or more credit hours and who are within 27 calendar months of their graduation from high school at the beginning of the academic year (for this purpose, high school graduation dates are assumed to be June 1st) must reside in a University residence hall.

The exceptions are:

1. if you live with parents within a 60-mile radius, or the three-county (Luce, Chippewa, and Mackinac) service area of the University campus. An exemption application, available in the Housing Office, must be approved by the Director of Campus Life and Housing.
2. if you are exempted in writing by the Director of Campus Life and Housing when residence hall space is filled.
3. if you face unusual financial or health problems and are exempted by the Director of Campus Life and Housing.

Applications for housing must be made to the Housing Office. Students indicating interest in on-campus accommodations on the University admissions application are sent housing information. Room assignments are made upon receipt of the first room and board payment. Applications are voided if first room and board payment is not received by June 1st. If application is canceled by notification to the Director of Campus Life and Housing by June 1st, all monies paid will be refunded. If cancellation is between June 1st and the opening of the residence halls, LSSU retains \$100. Cancellation after the halls open is subject to a \$500 penalty. You must be accepted for admission and be enrolled in and attending classes to live on campus.

Room and board: Students are billed for room and board and tuition each semester. A payment plan may be set up with Business Operations located in the Fletcher Center.

Housing deposit: If you are living on campus, there is a \$150 damage deposit prior to checking into the hall. This deposit is refunded, less monies owed to the University, when you leave campus housing.

Regulations: Regulations and expectations of your conduct as a member of the LSSU community will be provided when you take residence.

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Campus Life

Campus life is an important part of your Lake Superior State University experience. There are countless opportunities to enhance your educational experience. We encourage you to participate in student activities and to get involved with the campus. It is a great way to meet people and gain invaluable experiences and insights that will help when you graduate.

There are more than 60 different clubs and organizations at LSSU. There is always something going on so you can be a part of the campus scene.

We have 11 sports at Lake State: basketball, cross country, track and tennis for men and women; ice hockey for men; and volleyball and softball for women. In addition, the University has an extensive intramurals program including sports such as broomball, basketball, hockey and more.

Beyond the programs and services on campus, you have the natural splendor of the Upper Peninsula and Canada. Good hunting and excellent fishing are found within a few miles of campus. Favorite winter sports are skating, hockey, snowshoeing, tobogganing, ice fishing and skiing.

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- [Student-Faculty Relations Committee \(Appeals\)](#) *(see below)*

The LSSU Ombudsman

If you're a student in need of assistance to resolve a conflict or dispute within the University then you should contact the LSSU Ombudsman. The Ombudsman is a senior faculty member appointed by the President and Provost to assist students in resolving these types of issues. The Ombudsman carries out these duties in a neutral, impartial, confidential, informal and independent manner.

What does an Ombudsman do?

Following a request for assistance, the Ombudsman will take one or more of the following actions: (1) listen carefully to the concern, (2) explain relevant student rights and responsibilities, (3) review relevant University policies or regulations, (4) suggest fair and equitable options, (5) refer the individual to an appropriate university resource or (6) investigate, when necessary.

Specifically the LSSU Ombudsman:

- meets with the respective student and listens intently,
- discusses conflicts, disputes, and complaints that the student has about the functioning of the University, including policies, and procedures, the actions of others, and treatment that is unfair,
- helps the student identify and evaluate the options available to address his/her concerns
- works with the student to promote the development of critical thinking and problem solving skills,
- helps the student to understand their rights and will encourage and coach the student to work on their own behalf to resolve conflicts,
- answers questions or find others who are able to answer the respective questions,
- engages in shuttle diplomacy between parties who are finding it difficult to solve a problem between the two of them, or
- identifies problem areas, and areas of conflict, that exist within the University and makes recommendations to the University leadership.

Are there things the Ombudsman cannot do?

Yes. The Ombudsman is not an advocate for any group on campus; instead, the Ombudsman is an advocate for fairness. The Ombudsman also does not provide legal service, represent students or instructors at academic grievance or disciplinary hearings or mediate disputes between or among faculty or between faculty and administrators. The Ombudsman does not accept formal complaints, or notices, for the University.

Specifically the LSSU Ombudsman does not:

- administer sanctions,
- determine "guilt" or "innocence" of those being accused of wrong doing ,
- make academic or administrative decisions for other parts of the University
- give legal advice,
- participate in formal grievance processes, hearings or judicial processes,
- accept official "notice" for the University about issues,
- keep official University records and/or written accounts of individual meetings with students, or
- respond to subpoenas or other requests for information because of assertion of Ombudsman privilege.

How can I Contact the Ombudsman?

Students may contact the Ombudsman in person, by email, or by phone. Please remember that e-mail is not recommended for confidential discussions. The LSSU Ombudsman is:

Dr. Sally Childs
Norris Center, Room 108D
Phone #: 906-635-2610
Email: schilds@lssu.edu

Other Information:

According to the International Ombudsman Association

(www.ombudsassociation.org) Code of Ethics, an Ombudsman practices:

Independence

An Ombudsman is independent in structure, function, and appearance to the highest degree possible within the organization

Neutrality and Impartiality

The Ombudsman, as a designated neutral, remains unaligned and impartial. The Ombudsman does not engage in any situation which could create a conflict of interest.

Confidentiality

The Ombudsman holds all communications with those seeking assistance in strict confidence, and does not disclose confidential communications unless given permission to do so. The only exception to this privilege of confidentiality is where there appears to be imminent risk of serious harm.

Informality

The Ombudsman, as an informal resource, does not participate in formal adjudicative or administrative procedure related to concerns brought to his/her attention.

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Academic Policies

Please familiarize yourself with the academic policies described in this catalog. They will help you obtain your educational objectives. Faculty advisors, staff and administrative personnel will also help you negotiate your way through these policies — seek their advice whenever you have questions!

Student Classifications

0 to 25 credits = freshman
 26 to 55 credits = sophomore
 56 to 87 credits = junior
 88+ = senior

The Academic Year

Lake Superior State University operates on a semester system. There are two regular 15-week semesters (fall and spring) which begin in August or September and end in April or May. The summer semester consists of classes offered in two six-week sessions, or one 12-week session. Please view the [Important Dates](#) for specific information for each semester.

Academic Credit

One credit is equal to 14 hours of classroom instruction in lecture/recitation courses. For example, a three-credit course might be scheduled 9-9:50 a.m. Monday, Wednesday and Friday for 14 weeks plus one week for exams. Laboratory classes, field work or other non-lecture classes meet for more than one hour a week per credit.

You should expect to spend two hours of study or class preparation for each hour spent in class.

The average credit-hour load for full-time students is 16 credits. A minimum of 124 credits is required for all baccalaureate degrees; a minimum of 62 credits is required for all associate degrees.

Academic Transcripts

You may have an official copy of your permanent records sent to schools, companies and other places or persons of your choice. Complete and sign a [Transcript Request Form](#) and mail or fax it to the Registrar's Office, 650 W. Easterday Avenue, Sault Ste. Marie, MI 49783. Your first official transcript requested is free; after, there is a \$5 charge for each transcript. Student copy transcripts are issued directly to you and can be requested free of charge at the Registrar's Office in the Fletcher Center. You must show a picture I.D. Any financial or other obligations to the University must be cleared before a transcript is released. You may also print an unofficial transcript on-line using Anchor Access.

Student Curriculum Choice and Advising

When you apply for admission, you are asked to declare a major. The major you declare will determine which major department you are in and the academic advisor assigned to you. Please get to know your advisor well and meet with him/her often to get help in class selection, degree progress and career advice. You may change your major by processing a Major Change Form, available in Anchor Access and in the academic offices. Major Change Forms must be filed with the Registrar's Office for each major change. If you are unsure of your major, you will be assigned to the Liberal Arts-Undecided major.

Semester Course Selection

Registration for the next semester takes place near the end of your current semester.

Three weeks before registration, course schedules listing times, dates and locations will be available [online](#) and in Anchor Access. Review the class offerings, read the instructions for scheduling, and meet with your advisor to select courses for the next semester.

You must sign up for classes for the semester in which you will be doing the actual work.

Please review all the registration information carefully as it has dates for registration according to class level, dates for tuition payments, and information regarding prerequisites, corequisites and other course requirements.

It is your responsibility to ensure that the classes you take count toward your degree program. You may, however, be required to take developmental courses (course numbers beginning with "0", such as MATH087), which will not count toward graduation.

Test Scores: When you apply for admission, you will send your SAT or ACT scores to Lake Superior State University. Your scores determine the level of English and mathematics courses into which you will be placed. If you have been out of high school more than 26 months and have not taken the SAT or ACT, you will take placement tests at the Testing Center at Lake Superior State to determine your placement in English and mathematics.

Prerequisites: Many courses require that you complete English, reading and/or mathematics, or other preliminary classes before registering for the course. If you are currently enrolled in a course which is prerequisite to a course you need the following semester, you may register for the course on the presumption you will successfully complete the current course. If you do not earn the prerequisite grade required for the next course, you should consult your advisor and make a plan for an alternate course. Exceptions may be made only by the dean of the college or the instructor of the course.

Maximum credit load: You may carry up to 20 credits per semester. You may take more credits if you have a 3.00 GPA or higher and have written approval from the appropriate dean. Students on academic probation should not take more than 15 credits.

Adding/Dropping courses through the Add/Drop Period: You may add or drop courses online using Anchor Access through the sixth day of the fall or spring semester. If you are attending a summer semester, you can add or drop courses online through the fourth day of the semester.

If you wish to add a course that is full or without having the necessary prerequisites, you must contact the instructor for that course to request permission. If the instructor approves the request, he/she will complete an Instructor Override

for you. You must then go online and register for that course.

Courses dropped through the sixth day (fourth for summer semester) will not appear on your academic transcript.

Adding courses after the Add/Drop Period of the semester: Online registration ends on the sixth day of the semester (fourth for summer semester). If you wish to add a course after this date, you must have the instructor's permission. You will need to complete a Schedule Adjustment Form, have the instructor sign it giving permission, and then process the form at the Registrar's Office, located in the Fletcher Center for Student Services.

Dropping courses after the Add/Drop Period of the semester: You may drop a full-semester course during the first eight weeks (40 days) of the semester. For courses running less than a full semester (e.g. seven-week class), check online for the official drop dates — the time period for dropping will be approximately equal to one-half of the course instructional period. If you drop a course, you will receive an N grade on your academic transcript. N grades are not counted in the academic GPA.

Repeat Policy

This policy is in effect for all students starting at Lake Superior State University as of the Fall Semester 2011. You may repeat a class in which you earn a grade other than "W" or "N" only twice without special permission.

1. Courses transferred from other institutions are included in this policy.
2. Both the original and repeat grades will show on the transcript, but hours earned toward graduation will only count once.
3. For the purpose of calculating the cumulative grade point average, only the grade of the last attempt will be used.

To repeat a course more than twice, the student must attain the permission of the course instructor and the dean of the college offering that course. Permission is only granted under extenuating circumstances.

Policy on substitutions or waivers for failed classes

If you fail a class required for your degree program, you must repeat the class and receive a passing grade. If the failed class is no longer offered because of program changes and/or course deletions, the dean may approve a substitution or waiver recommended by the academic chair. The chair must provide reasons for the recommendation on the substitution/waiver form which is sent to the dean's office for approval. Upon approval, the dean will then send the form to the Registrar's Office.

Withdrawals

If you are an enrolled student and drop all of your classes during the first eight weeks of the fall or spring semester (dates vary for summer semester), you may be eligible for a partial tuition refund. You will need to complete a Withdrawal Form at the Registrar's Office. ([Please check online for the refund policy and dates.](#))

Before leaving, be sure you have cleared any holds on your records so you can return at a later date or have transcripts of your academic records sent.

Late Withdrawal: Students requesting a late withdrawal from one or all of their classes after the official drop date need to complete a [Request for a Late Withdrawal and/or Tuition Appeal Form](#) and have documented extenuating circumstances. The decision to grant the late withdrawal and/or tuition appeal will

be made by the Late Withdrawal Appeal Committee. Appeals are reviewed in the order received and results may take from two to four weeks. The need for additional documents may delay this timeframe. All decisions by the committee are final and not subject to appeal.

Class Attendance

Regular class attendance and active participation in classes are important elements in the learning process. You are at the University primarily for the sake of intellectual growth and development. Attendance and participation provide appropriate opportunities for the evaluation of your progress.

You are personally responsible for the satisfactory completion of the course work prescribed by your instructors. This means that you are expected to attend classes regularly, and that you are responsible for the work assigned in class, the material covered in class, and for participation in class activities (including discussion and listening) designed by the instructor as part of the learning experience. However, mere physical attendance should not be a criterion for evaluation of your performance.

Participation in an official University function is an excused absence when approved by the provost. You will not be penalized for such participation. You are responsible for work missed and must confer with your instructor on this matter.

Grading System

Grades and Grade Points

Grade	Grade Points per Credit
A+	4.00
A Excellent	4.00
A-	3.70
B+	3.30
B Good	3.00
B-	2.70
C+	2.30
C Average	2.00
C-	1.70
D+	1.30
D Inferior	1.00
D-	0.70
F Failure	0.00
I Incomplete	0.00
N No Grade	0.00
W Late Withdrawal	0.00
AU Audit	0.00
CR Credit	0.00
CR (undergraduate level) is equal to a 2.00	
CR (graduate level) is equal to a 3.00	
NC No Credit	0.00

Grade Point Average (GPA): To calculate your GPA for a semester, divide the total quality points earned by the GPA hours. GPA hours include those earned or failed but not those classes taken for credit/no credit. Cumulative GPA is calculated by dividing total quality points earned by the number of GPA hours carried in all semesters. If you repeat a course, count only the credits carried and the points of the last grade earned. Only the grade of your last attempt is calculated in your GPA.

A cumulative GPA of 2.00 for all credits is required for graduation. Further, a 2.00 cumulative grade point average for all credits in major, minor(s), and general education is required. Some programs require a higher GPA in the major curriculum.

"I" (incomplete) grade: Students may request an "I" (incomplete) grade for a course if extenuating circumstances beyond their control prevent the completion of the course requirements by the end of the semester. Examples of extenuating circumstances may include health issues, death of a parent/spouse/child, or military service. Students and faculty must be aware that an "I" (incomplete) grade counts toward the student's attempted credits for a semester and may thus affect Satisfactory Academic Progress. Students receiving financial aid must consult with the Financial Aid Office to discuss their specific situation when electing to drop a course or requesting an "I" (incomplete) grade.

Appropriate documentation is required. Students will need to be enrolled and have completed the majority of the work required for a course during the semester to be eligible to request an "I" (incomplete grade). An "I" (incomplete) grade may be issued in a course that by design can not be completed in one semester. An example of this type of course would be a study abroad course that requires the student to be out of the country until after the official semester end date. An "I" (incomplete) grade shall not be issued as a midterm grade for any course.

Students must work with the instructor to complete all missing requirements by a date specified by the instructor. If a date is not given, the student will have a maximum of two semesters (excluding summer semesters) to complete the requirements for the course and to have the "I" (incomplete) grade changed to an appropriate final grade. Students should not re-enroll in any class in which they currently have an "I" (incomplete) grade.

If the "I" (incomplete) grade has not been changed to an appropriate final grade by the end of two semesters (excluding summer semesters) the "I" (incomplete) grade will be changed to an "F" (failure) grade.

Students are **not** eligible to receive a degree or certificate with an "I" (incomplete) grade on their academic record.

N and W grades: These grades are given to those classes that you have officially dropped (N) or withdrawn (W).

Credit/No Credit Courses

You may enroll in some courses on a credit/no credit basis if you are in good academic standing. The following conditions exist:

1. One course per semester may be taken as credit/no credit.
2. Only 12 credits of courses taken as credit/no credit may be applied toward a degree.
3. Courses that are required by your major, minor, or that are general education courses, can not be taken for credit/no credit.
4. You apply at the Registrar's Office to enroll for a credit/no credit course during the add/drop period; cannot change to regular grades after the add/drop period ends.
5. You maintain a 2.00 (C average) in a course to receive a CR grade.
6. Instructors are not notified that you are taking a course as credit/no credit; the CR or NC credit is assigned based on the grade your instructor submits.
7. Certain courses are always offered with a credit/no credit format. These courses have this information in the official course description and course syllabi. The policy and limitations outlined above do not apply to these courses.

Auditing a Class

Audits are designed for someone who wishes to take a particular course for its content but not be graded for the course. An LSSU student may register for any course on an audit basis provided all prerequisites have been satisfied. Normal tuition and fees are charged for audited courses.

The coursework for auditing a course is determined in conjunction with the faculty member for the course.

Auditing courses does not count as part of a student's official class load for determining financial aid eligibility, veteran's benefits or any other enrollment certification requirements.

Students may change from an audit to credit status during the first week of classes and only with the concurrence of the faculty member for the course. This change must be processed through the Registrar's Office for grading purposes.

Senior Audit Policy

Residents of Michigan who are 60 years of age or older may take undergraduate courses at Lake Superior State University without paying tuition (tuition is waived). Such residents may register on an [audit basis](#) for any undergraduate course offered by the University, provided that space is available, and the individual meets the prerequisites or has the permission of the instructor. Verification of age must be provided to the Registrar.

Those participating in course work under this program shall be entitled to full classroom participation, and may complete all assignments and examinations for evaluation by the instructor. The purchase of textbooks, program fees, special course fees, and required materials shall be the responsibility of the participant. The student's name will not appear on an instructor's official class list or grade roster and no grade will be recorded for the student in the Registrar's Office.

Dean's List

Full time students carrying at least 12 graded credits of college-level courses (100 level or above) in a semester with a grade point average (gpa) of 3.500 or higher, and NOT having any incomplete ("I") grades, will earn Dean's List honors, which acknowledge outstanding academic achievement.

If a grade is changed within 30 days from the end of the semester because of an instructor error in the recording of a grade, or because the student has completed the work required to resolve an Incomplete ("I") grade, the student will be considered for Dean's List honors.

Effective fall semester 2006, students earning Dean's List honors will have this designation noted on their LSSU academic transcript.

Prior Learning Policy

Credit for Prior Learning (CPL)

LSSU recognizes that students may acquire expertise, skills and knowledge through individual study, employment, military training, community service or other experiences outside of the normal college setting, which is known as prior learning. LSSU credit may be awarded for prior learning through successful completion of standardized examination programs, (e.g. CLEP, Advanced Placement, DANTES), credit recommendations of the American Council of Education, or successful

completion of "departmental examinations". Credit may also be awarded upon successful completion of an individual Prior Learning Portfolio that documents the demonstration of learning outcomes for a specific course or set of courses.

All prior learning credits are considered transfer credits and are subject to the same policies as other transfer credits. Discuss your prior learning experience with your academic advisor, chair or dean for more information.

University residency requirements apply to all forms of prior learning (e.g. a minimum of 30 credits of the 124 credits required for an LSSU baccalaureate degree must be earned using LSSU coursework). See the Academic Catalog for the complete residency policy.

CPL Portfolio Program

The CPL Portfolio program grants credit after a successful faculty evaluation, and Dean approval, of a portfolio that demonstrates mastery of the learning outcomes for a specific course or set of courses. Unlike typical course articulations, no list of equivalencies exists since every person's prior learning experience can vary significantly. It is only through the CPL Portfolio review process that equivalencies are identified and credit awarded. Because of this, not all Lake Superior State University courses are eligible for CPL Portfolio review. Credits awarded through the CPL Portfolio review support a student's goals and are applied to a specific academic degree program. A typical portfolio will capture prior learning experiences from work experience (based on past employment), past training (such as classes, workshops, seminars, etc.), and life experiences (long-term activities that may have resulted in college level learning). The University provides guidelines and assistance for CPL Portfolio development through the School of Arts and Letters.

If you are interested in pursuing credit for prior learning through a CPL Portfolio, you should contact the Dean or the Chair of the School of Arts and Letters to review the process. After that meeting, you will be directed to a dean or multiple deans to review your request(s).

CPL Portfolio Criteria:

In order to be considered for CPL Portfolio credit review, a student must be currently enrolled in a degree program and his/her cumulative GPA must be a minimum of 2.00, or higher where required by the program. Furthermore:

1. All CPL Portfolio credit is considered non-LSSU credit (transfer credit) and is limited by LSSU policy to 60 credits and only 16 credits may be used to fulfill 400 level coursework.
2. CPL Portfolio-based credit may only be awarded for content which applies to the student's degree program. Approved CPL will appear on a student's transcript.
3. CPL credit may not be applied to fulfill the University's residency requirement.
4. CPL credit may not be used to satisfy the General Education Requirements of the University.

CPL Portfolio Guidelines:

1. Portfolios must be submitted to the Dean of the College or School responsible for the content review by the 12th Friday of the semester (two weeks before final examinations) during the academic year, or by the 2nd Friday in July for the summer semester. Students are not eligible to submit a CPL Portfolio in their anticipated term of completion (e.g. graduation term).

2. Credit will be granted for college-level learning and only for courses required for LSSU degrees.
3. Credit for any specific instance of prior learning can only be awarded once (e.g. credit for knowledge gained in mathematics cannot be awarded once through CLEP then again petitioned through a CPL Portfolio or transfer credit). All CPL Portfolio requests must be submitted at one time to facilitate coordination of credit awarded, and separate portfolios must be submitted to each School for all credits which the student seeks to have evaluated within the school.
4. The CPL Portfolio may be used to award credit for specific LSSU courses or for general elective credit applicable to the degree program. The amount of credit to be allowed through portfolio evaluation identification of specific courses for substitution, if any, and the fulfillment of graduation requirement, if any, is determined by the Dean of the appropriate school under advisement of the school faculty.
5. While the School of Arts and Letters faculty provide general guidance and assistance, it is each student's responsibility to complete a narrative and a portfolio of documentation, which will be the basis for awarding credit.
6. To assist students interested in developing a portfolio for this purpose, the University may provide an elective portfolio course (e.g. USEM201 Prior Learning Portfolio Development).
7. CPL Portfolios will be evaluated on the alignment of learning evidenced with the specific course's or program's learning outcomes. Elements in the portfolio may include documentations of leadership and community service experiences, professional work experiences, creative contributions to society, and completion of professional training.
8. CPL Portfolios will be evaluated by faculty qualified to teach the course(s) for which the portfolio has been submitted.
9. Credit under this program cannot be obtained for learning when proficiency exams are required by the appropriate department.
10. Formal CPL Portfolio review to evaluate for credit requires an initial \$50 processing fee for each CPL Portfolio submitted using the [CPL Portfolio Review Form](#). If approval is received, the student will be required to pay an additional \$75 per awarded credit.

Grade Appeal Policy

Lake Superior State University has established procedures for students to appeal the final course grade. The only concerns that may be grounds for an appeal are the grades, and the consistent application of class requirements and policies as they pertain to grades. As with other concerns, a student may also want to consult with the Student Ombudsman, www.lssu.edu/ombudsman, to discuss the matter.

A student who has concerns regarding a final course grade may take the following steps:

1. Contact the course instructor and discuss the concern(s). This will serve as an informal review and an opportunity for open dialog regarding the concern(s).
2. If the informal review does not lead to a satisfactory resolution the student may choose to file a formal appeal. The appeal must be filed in writing with

the School Chair within 20 university working days of the posting of the final grade. The Chair shall respond to the appeal in writing to the student and instructor within five (5) university working days upon receipt of the appeal.

The appeal shall include:

- The [Grade Appeal Record of Action Form](#)
 - Statement of Appeal: this should be brief and specific
 - Justification: reasons for lodging the appeal should be presented with supporting evidence (all documentation must be provided at this point)
 - Remedy: a specific remedy should be cited.
3. If the School Chair's response does not lead to a satisfactory resolution the student may, within three (3) university working days of receipt of the response, request formal review of the appeal by the Dean of the College/School. The student shall deliver the appeal documentation to the Dean who shall respond in writing to the student, the course instructor, the Chair, and the Provost within five (5) university working days upon receipt.
 4. If the appeal timelines stated above are not met by the student the appeal is considered closed and no further action is required. If the appeal timelines stated above are not met by the university personnel the appeal can be advanced by the student to the next step. The Provost may grant an extension in time at any step due to extenuating circumstances; such extensions will be documented on the Grade Appeal Record of Action.
 5. If steps 1-4 do not lead to a resolution of the concern the student may petition the Provost, within three (3) university working days of receipt of the Dean's response, to convene an ad hoc Grade Review Board for a formal hearing of the appeal. The student shall deliver to the Office of the Provost the completed Grade Appeal Record of Action and all documentation required as evidence to the appeal.

The members of the Grade Review Board, appointed by the Provost or his/her designee, shall include a Dean of a college other than that in which the course is housed, two faculty members from schools other than that of the course, and two students of junior or senior standing. Copies of all documentation will be provided to members of the Grade Review Board, the professor and the student. No new documentation will be introduced at the Hearing. The Provost or his/her designee will convene the Grade Review Board Hearing and may participate in deliberations; however, he/she will not cast a vote should there be dispute in determining recommendations.

At the Grade Review Board Hearing, the student shall present his/her argument, followed by the professor's response. The Board shall promptly prepare a written recommendation and forward copies to all parties involved, including the student, course instructor, Chairperson, Dean, and Provost. The report shall include dissenting opinions on the Board, if any. Recommendations of the Board are advisory to the Provost, who will make a final determination. Records of each case heard by the Board shall be maintained in the office of the Provost.

General Information:

A university working day (UWD) refers to those days when the university is in normal operation, and university offices are open for business.

"Receipt" refers to the day upon which the appropriate document(s) are officially initialed by the person(s) designated.

The Provost may establish appropriate and reasonable extensions of time in cases where the student is not actively enrolled in the current semester, or where the course instructor is not assigned teaching duties for the current semester.

Undergraduate Academic Standing

Full- and Part-Time Students Academic Probation and Dismissal Policy

For Undergraduate Coursework

Effective Summer 2005

Cumulative GPA Hours Carried at LSSU	Minimum for Good Standing*	On Probation	Dismissal
1 - 18.9	2.00	less than 2.00	two consecutive semesters on probation
19 - or more	2.00	less than 2.00	two consecutive semesters on probation or 1.60 or less gpa

You will be dismissed for academic deficiencies if you are on probation for two consecutive semesters at Lake Superior State University. If your cumulative GPA Hours (as shown on your transcript) are 19 or more and your grade point average is 1.60 or less, you will be dismissed. GPA Hours are those used in figuring your grade point average. Classes not at the 100-level or above are not counted in the GPA Hours. Classes with grades of CR/NC are not counted in the GPA Hours.

*A cumulative grade point average of 2.00 for all credits carried at Lake Superior State University and a cumulative grade point average of 2.00 for all courses required in your major, minor and general education is necessary for graduation (effective fall 2007).

1. You will be on academic probation if your cumulative grade point average falls below 2.00. Academic Probation limits you to 15 credits. You must contact your advisor to adjust your schedule before classes start for the next semester.
2. If you are on probation for two consecutive semesters (summer semester included if you are enrolled in summer classes), you will be academically dismissed or, if your cumulative GPA Hours are 19 or more and your grade point average is 1.60 or less, you will be academically dismissed. Your classes for the next semester(s) will be deleted.
3. After a first or second dismissal you may choose one of the following options:
 1. Allow two semesters (summer may be counted for one semester) to elapse before re-enrollment,

or
 2. Petition the Scholastic Standards Committee for immediate readmission should extenuating circumstances exist. This action is initiated with the Chair of the Scholastic Standards Committee. The Committee can either permit early readmission with specific conditions required of you or deny your request. Subsequent to the Committee's denial, you can further appeal in writing to the Provost, whose decision is final.
4. If you continue after a dismissal, you will be dismissed again after any

semester in which your cumulative grade point average falls below a 2.00. The Registrar may allow you to continue "on probation," with the record showing "on probation" instead of "academic dismissal" if your record has shown improvement during the semester and you have a 2.00 grade point average in courses carried for that semester.

5. If you are dismissed a third time, you will not be reinstated without the permission of the Provost. Three semesters must elapse from the time of dismissal before you may petition for readmission. Summer may be counted for one semester.
6. The Scholastic Standards Committee may dismiss you from the university for demonstrated academic dishonesty.

Graduate Academic Standing

Full- and Part-Time Students Academic Probation and Dismissal Policy

For Graduate Level Coursework

Effective Summer 2011

A cumulative grade point average of 3.00 for all graduate credits carried at Lake Superior State University and a minimum grade of B for each course, including courses transferred into the program, are required for graduation.

1. You will be on academic probation if your cumulative grade point average falls below 3.00. Academic Probation limits you to six (6) credits. You must contact your advisor to adjust your schedule before classes start for the next semester.
2. If you are on probation for more than two consecutive semesters (summer semester included if you are enrolled in summer classes), you will be academically dismissed. Your classes for the next semester will be deleted.
3. After a first or second dismissal you may choose one of the following options:
 1. Allow two semesters (summer may be counted for one semester) to elapse before re-enrollment,

OR

 2. Petition the Scholastic Standards Committee for immediate readmission should extenuating circumstances exist. The Committee can either permit early readmission with specific conditions required of you or deny your request. Subsequent to the Committee's denial, you can further appeal to the Provost, whose decision is final.
4. If you continue after a dismissal, you will be dismissed again after any semester in which your cumulative grade point falls below a 3.00. The Registrar may allow you to continue "on probation," with the record showing "on probation" instead of "academic dismissal" if your record has shown improvement during the semester and you have a 3.00 grade point average in courses carried for that semester.
5. If you are dismissed a third time, you will not be reinstated without the permission of the Provost. Three semesters must elapse from the time of dismissal before you may petition the Provost for readmission. Summer may be counted for one semester.

6. The Scholastic Standards Committee may dismiss you from the university for demonstrated academic dishonesty.

Cheating and Plagiarism: Academic Integrity

Academic integrity is a key component of the core values of Lake Superior State University. All members of the University community are expected to be honorable and ethical and observe standards of conduct appropriate to a community of scholars. Students are expected to behave in an ethical manner. The University community will not tolerate academic dishonesty as such behavior will cause harm to the reputation of students, faculty, and graduates of the institution. Such dishonorable behavior includes, but is not limited to, cheating, fabrication, plagiarism, and obtaining an unfair advantage. These terms are defined below:

Cheating

Cheating is defined as using or attempting to use unauthorized materials or information of any kind during an exam or graded assignment of any kind. Using notes, texts, help from individuals, or copying information from another individual's exam, or by using electronic or any other means constitutes cheating unless such resources are EXPLICITLY allowed by the instructor.

Fabrication

Fabrication is any unauthorized falsification, invention, or copying of data, falsification of information, citations, or bibliographic references in any academic work. It also includes falsifying any academic record or other University document.

Plagiarism

Plagiarism is representing someone else's work as one's own. Failing to cite references or presenting material, verbatim or paraphrased, that is not acknowledged and cited also constitutes plagiarism.

Obtaining an Unfair Advantage

Academic integrity is violated when one obtains an unfair advantage by stealing, reproducing, circulating, or otherwise gaining access to examination materials before they are distributed by the instructor. Also prohibited are stealing, destroying, defacing, or concealing library materials with the purpose of depriving others of their use.

Possible Sanctions for Offenses

It is in the best interest of the University community to sanction any individual who chooses not to accept the principles of academic honesty by engaging in the above acts. Appropriate sanctions may include failure of an assignment or exam, failure of a course, or dismissal from the University.

Faculty and University Responsibilities

Unless the faculty member has explicitly specified otherwise, students are to assume that exams are individual, closed book, and without the use of notes or similar reference materials. Unless specifically allowed by the faculty member, papers, projects, and similar products are expected to be the original individual work of the student. If notes, texts, other reference materials, group work or similar activities are to be allowed, the faculty member will specify what is permitted for a particular assignment or exam prior to disseminating the assignment or exam.

A faculty member who observes a violation in one or more of the above areas shall meet with the student to address the violation. If, in the judgment of the faculty member, academic integrity has been violated, the faculty member will impose the appropriate sanction, either a failure for the assignment or exam, or failure for the course. The faculty member will then file an Academic Integrity Incident Report with the department chair, dean, the Provost's Office, and the office of Student Affairs. This report will be kept in the Provost's Office as well as in the office of the Vice President of Student Affairs for a period of five years. A copy of this report will also be placed in the student's advising file. Academic Departments or Schools may have additional policies and procedures that could provide further recommendations to the Provost's Office when instances of academic dishonesty are suspected. This policy is also applicable in the Testing Center.

In cases of egregious or repeated violations, it may be determined by the faculty member, his/her department chair, or dean, that dismissal from the University is warranted. In this case, the chair of the Scholastic Standards Committee and the student will be notified. The Scholastic Standards Committee will then conduct a hearing in which the student is granted due process. If the committee decides that dismissal from the university is warranted, the student will have five school days to appeal the decision to the Provost of the University. The Provost may either affirm the decision to dismiss, or reinstate the student and provide a rationale for doing so.

Theft

Everyone is expected to show respect for University and individual property. Theft of any kind, whether of money, property, or services, violates the entire community and will not be tolerated. Destruction or mutilation of books, magazines, or other library material is considered a form of theft. Theft, damage or destruction of University property, or the property of others, is considered a serious offense against the University community and may result in penalties including the issuance of fines, removal from the campus, dismissal from the University, and/or criminal prosecution. If you have anything stolen while on University property, please notify the Public Safety Department by calling 635-2210 as soon as possible.

Family Educational Rights and Privacy Act (FERPA)

Section 438 of the General Education Provisions Act, as amended, sets forth the requirements to be met by an educational institution to protect the privacy of students. This act is called the Family Educational Rights and Privacy Act and shall be referred to hereafter the Act. The Act generally governs access to student educational records and the release of such records. The Act also requires that institutions of higher education must provide students access to official records directly related to the student and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading or inappropriate. Educational institutions must also obtain written consent before releasing personally identifiable data about students from records to other than a specified list of exceptions. In addition, students must be notified of these rights.

In accordance with provisions of the Act and the regulations enacted by the U.S. Department of Education, Lake Superior State University has adopted the following policies and procedures:

Section 1. General Policy on Access and Disclosure

Lake Superior State University shall not as a matter of policy or practice:

1. Deny or prevent students at the University the right to inspect or review the educational records of such students,

or

2. Permit the release of educational records contrary to the provisions of the Family Educational Rights and Privacy Act and the policies and procedures set forth in the following sections.

Section 2. Notification to Students

Under the provisions of the Act, the University must [annually notify students](#) of their rights and the institution policies pertaining to the Act. In addition, notice must be given to the location where the policy can be obtained as well as to inform the students of the right to file complaints with the U.S. Department of Education concerning alleged failures by the University to comply with the Act. In accordance with these requirements the annual notice regarding students' rights, the location of copies of the University's policies setting forth these rights, as well as the right to file complaints with the Family Educational Rights and Privacy Act Office, shall be published in the University Catalog. The annual letter to students will notify students of directory information.

The registrar is the hearing officer for the Act and is responsible for implementing the notification requirements and the distribution of copies of the policies and procedures.

Section 3. Education Records Defined

"Education records" means those records which:

1. Directly relate to a student or
2. Are maintained by the University or its agent.

The term does not include:

1. Records of institutional, supervisory, and administrative personnel which:
 1. are in the sole possession of the maker thereof, and
 2. are not accessible or revealed to any other individual except a substitute.

A *substitute* is defined as one who performs, on a temporary basis, the duties of the individual who made the record. It does not refer to an individual who permanently succeeds the maker of the record in his or her position.

2. Records of the law enforcement unit of the University (Security Department) which are:
 1. maintained apart from the University's educational records;
 2. maintained solely for law enforcement purposes; and
 3. not disclosed to individuals other than law enforcement officials of the same jurisdiction, provided that educational records maintained by the University are not disclosed to the personnel of the law enforcement unit.
3. Records relating to an individual who is employed by the University which:
 1. are made and maintained in the normal course of business;
 2. relate exclusively to the individual in that individual's capacity as an employee; and
 3. are not available for use for any other purpose.
 4. This paragraph (3) does not apply to records relating to an individual in attendance at the University who is employed as a result of his or her status as a student.

4. Records relating to an eligible student which are:
 1. created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting in a professional or paraprofessional capacity, or assisting in that capacity;
 2. created, maintained, or used only in connection with the provision of treatment to the student; and
 3. not disclosed to anyone other than individuals providing the treatment; provided, that the records can be personally reviewed by a physician or other appropriate paraprofessional of the student's choice. For the purpose of this definition, "treatment" does not include remedial educational activities or activities which are part of programs of instruction at the university.

5. Records of the university which contain only information relating to a person after that person is no longer a student at the University. An example of these records would be information collected by the University pertaining to the accomplishments of its alumni.

Section 4. Rights to Inspect and Review Education Records

A student who is enrolled at or has attended Lake Superior State University has the right to inspect and review his/her educational records subject to the limitations set forth in Section 3 and 13.

The educational record recorded by the student will be provided within a reasonable period of time defined by availability of staff time and the records. Records will be provided no more than 45 days after the request is made.

The right to review educational records includes the right to a response from Lake Superior State University to reasonable requests for explanation and interpretations of the subject record.

Section 5. Procedures for Inspection and Review of Records

A written request for the inspection is required for review of educational records or release of records, where permitted, to third parties. See Section 10A for release of records to third parties. The request must be submitted to the appropriate officer. See Section 7 for list of officials maintaining educational records.

The written request under this section must contain:

1. A description of the information requested,
2. The date, if any, that the information is required,
3. The student's signature, and
4. The date the request is filed.

Section 6. Copies of Records: Fees for Copies

Copies of educational records will be provided under the Act under the following conditions:

1. Where failure to provide a copy would effectively prevent a student from exercising the right to inspect and review the educational record. (Examples of when this provision would be effective would be absence from the state or a confining illness.) If the student will return to the residence occupied while attending the University or be within 30 miles of campus and is not physically incapacitated during the 45-day compliance period, copies shall not be

provided but the right of inspection may be exercised. Under this provision, a written request is required (see Section 10A) specifying the record to be disclosed and the reason that a personal inspection of the record cannot be made during the 45-day compliance period. Requests are reviewed on a case-by-case basis to determine if copies are required as opposed to personal inspection.

2. On request, under the provisions of Section 10B regarding records to officials of another educational institution in which the student is enrolled or seeks or intends to enroll.
3. On request, or with the consent of the student, under the provisions of Section 10A, regarding information released with the approval of the University to third parties. The University shall not charge a fee for copies of records provided under the Act. There is not a charge for search, retrieval or inspection of the record. Copies of records provided under these provisions do not carry the University seal or official signature of approval.

Section 7. Listing of Location of Education Records

The following is a list of the records considered educational in nature under the Act and their locations listed by Office, Type of Record, Responsible Official, and Location.

- Admissions; Academic file, Financial; Director of Admissions; Hillside House
- Career Advising and Placement; Academic, Personal, evaluations; Director; Library
- Continuing Education; Academic; Director; Library
- Human Resources; Work Evaluation, Employment; Director; Administration Building
- Financial Aid; Financial, Academic, Personal evaluation, Employment; Director; Fletcher Center
- Graduate Office; Academic, Financial; Coordinator; Crawford Hall
- Registrar's Office; Academic (complete and official academic record), Personal, Veterans Affairs; Registrar; Fletcher Center
- Residence Halls; Personal; Housing Manager; Cisler Center
- Residence Halls and Student Life; Discipline; Director for Student Programs and Services; Cisler Center
- Student Accounts; Financial; Director Business Operation; Fletcher Center
- Academic Areas, Academic; School/Department Chairs.

Note: All academic records are partial records with the exception of the Registrar's Office as noted above.

Section 8. Disclosure of Restricted Information to University Officials

Personally identifiable information from the education records of a student may be disclosed without the prior consent of the student to University officials who have a legitimate educational interest in the information. The University officials must demonstrate a need to obtain the information consistent with their official functions and the request must be consistent with normal professional practices and legal requirements.

The disclosure of personally identifiable student information under the above conditions will not be disclosed to any other party without the prior written consent of the student, except that such information may be used by the appropriate officials or agents of the University for the purpose for which the disclosure was made.

Section 9. University Officials

For the purpose of these procedures and policies, University officials are those individuals who have demonstrated a need for access to student records consistent with official University responsibilities and professional practices.

University officials include: Members of the faculty, professional, executive and administrative staff, including the Public Safety Department, departmental secretaries, student employees who manage student education record information, students properly appointed as members of a hearing panel or screening committee, representatives of the State Auditor General when performing their legally required duties, legal, insurance, or collection representatives of the University when performing their university-related duties requiring student record information concerning a claim or legal matter.

Section 10. Disclosure of Personally Identifiable Information

A. Prior Consent for Disclosure Required

The University shall obtain the written consent of the student before disclosing personally identifiable information from their education records to third parties other than directory information. Consent is not required where the disclosure is to the student.

If the University consents to the release of personally identifiable student information to third parties under this section (10A) at the written request of the student, the University will also provide the student with a copy.

The written consent required under this section (10A) must be signed and dated by the student and shall include:

1. A specification of the record to be disclosed.
2. The purpose of the disclosure.
3. The party or class of parties to whom disclosure may be made.
4. A statement granting consent for the release of the information.

B. Prior Consent for Disclosure Not Required

The University may transfer or disclose the educational records of a student, without prior written consent, on request to the officials of another educational institution in which the student is enrolled or intends to enroll.

The University, upon request, will provide the student with a copy of the transferred educational records.

Information from the educational records of a student may be disclosed, without prior written consent, if the disclosure is:

1. To federal and state authorities as provided by the Act or other legal authority.
2. In connection with financial aid for which a student has applied or received; provided that the information may be disclosed only:
 1. to determine the eligibility for financial aid,
 2. to determine the amount of aid
 3. to determine the conditions that will be imposed regarding financial aid, or
 4. to enforce the terms or conditions of the financial aid.

3. To organizations conducting studies on behalf of educational agencies or institutions for developing, validating, or administering predictive tests, administering student aid programs; and improving instruction; provided that the studies are conducted in a manner which does not permit personal identification of students by persons other than the representatives of the organization. The information must be destroyed when it is no longer needed for the purpose for which the study was conducted.
4. To accrediting organizations in order to carry out their accrediting functions.
5. To comply with a judicial order or lawfully issued subpoena; provided that Lake Superior State University will make a reasonable effort to notify the student of the order or subpoena in advance of compliance.
6. To appropriate parties in an emergency to protect the health or safety of the student or other individuals.

Section 11. Directory Information

Family Educational Rights and Privacy Act permits the disclosure of certain personally identifiable information from the educational record of a student if that information is designated as directory information as defined by the Act.

In order to release such information the University is required to provide public notice of the following:

1. The categories of personally identifiable information designated as directory information.
2. The right of the student to refuse to permit the designation of any or all of the categories with respect to that student.
3. The time which the student must inform the University in writing that such directory information is not to be released.

In compliance with these provisions, the University will announce its intention to release directory information each fall in the annual letter. Written requests to prohibit or restrict the use of directory information should be addressed by the last day of the add/drop period to the Registrar's Office.

The University considers the following as directory information: name, address, telephone number, place of birth, e-mail address, enrollment status (e.g., undergraduate or graduate, full time or part time) major field of study, dates of attendance, degrees, honors and awards received, including scholarships, most recent previous educational agency or institution attended by student, participation in officially recognized activities and sports, and height and weight of members of the athletic teams.

In the event that this list is altered or expanded, these provisions will be amended in accordance with the Act.

Section 12. Record of Disclosures Required to be Maintained

Lake Superior State University shall for each request and disclosure of personally identifiable information from a student's education records maintain a register within that file of the education records which indicates:

1. The parties who have requested or obtained information.
2. The legitimate educational interests the parties have in obtaining the information.

A record is not required for disclosures to a student, disclosures pursuant to the student's written consent when consent is specific to the party or parties,

disclosures to University officials as set forth in Section 9, or disclosures of directory information as provided in Section 11.

The record of disclosures may be inspected by: the student, University officials and assistants responsible for the custody of the records, and university officials authorized in Section 9 and persons outside the University as authorized in Section 10 for the purpose of auditing the record keeping procedures of the institution.

Section 13. Limitation on the Right to Inspect and Review Records

The University is not required to permit a student to inspect or review the following records:

1. Financial records and statements of parents or any information contained therein.
2. Confidential letters and statements of recommendation placed in the student record prior to January 1, 1975; provided that such letters and statements were solicited with written assurance of confidentiality or sent and retained with a documented understanding of confidentiality. The documents must be used only for the purposes specifically intended.
3. Confidential letters and statements of recommendation and statements for which the student has waived the right to inspection as set forth in Section 16 and placed in a student's file after January 1, 1975 respecting:
 1. admission, or
 2. application for employment, or
 3. receipt of an honor or honorary recognition.
4. Those records which are defined not to be education records as set forth in Section 3

If the educational record of a student contains information on more than one student, the requesting student may review or inspect or be informed of only the specified information which pertains to the student making the inquiry.

Section 14. Request to Amend Educational Records

A student who believes information in the student's educational records is inaccurate, misleading or violates the privacy or other rights of the student may request the University amend such records.

The procedures regarding amendment to a student record are:

1. Submission of a written request to amend the record in question to the University office responsible for the content of the record.
2. A written request specifying the information to be amended and the basis for requesting a change in the record.
3. The written request should also suggest the recommended corrective action.
4. The University official responsible for establishing the content of the record in question within 14 calendar days will inform, in writing, the student that the record will be amended or the request is denied. If additional time is required to make a decision, the student will be advised of that period required.
5. Amendments and corrections will be completed within 14 calendar days of the date of notice to the students.
6. If the University official responsible for establishing the content of the educational record denies the request to amend the record, the written notice of this decision will advise the student of the right to a hearing.

Section 15. Right to a Hearing

The Act provides an opportunity for a hearing to challenge the content of a student's educational record to insure that the record does not contain inaccurate or misleading information or violates the privacy or other rights of the student. This procedure can not be used to challenge grades. The following procedure defines the process after the decision of denial.

Procedure of Hearing

A student desiring a hearing on a denial to amend the record by the official establishing such records must:

1. Submit a written request for a hearing to the hearing officer and the registrar.
2. Designate in the request: the student's name and identification number, date of request, specific information on the record challenged, basis for amending record, summary statement of previous action taken to amend record including names of individuals contacted and from whom communications have been received.

The hearing officer will, within seven calendar days of receipt of the request for hearing, notify the student of the hearing date, time and location. At least 72 hours notice prior to the hearing will be provided to involved parties.

A full and fair opportunity is available to present evidence relevant to the question of whether the record in question is inaccurate, misleading or in violation of the privacy or other rights of the students.

The student may be assisted or represented by any individual, including an attorney, at their own expense.

The hearing officer will render a decision on the appeal within seven calendar days of hearing's conclusion. The decision shall be in writing and based solely upon the evidence presented at the hearing. The written decision to the student shall include a summary of the evidence and reasons for the decision.

If, as a result of the hearing, the hearing officer rules the information is inaccurate, misleading or in violation of any of the student's rights, the record in question will be amended within seven calendar days of the decision.

If, as a result of the hearing, the hearing officer determines that the record should not be amended, the student shall be informed of the right to place in the education record a statement commenting upon the information and setting forth the reasons for disagreeing with the University's decision.

Any explanation placed in the record of the student under this provision shall:

1. Be maintained as a part of the record as long as the record or the contested portion thereof is retained by the University, and
2. Be disclosed by the University, along with the contested record to any party receiving such record.

Section 16. Waivers

A student may waive any right under the Act. The waiver shall not be valid unless it is in writing and signed by the student. The University may not require that a student waive any right under the Act. This requirement does not preclude the University from requesting such a waiver.

An applicant for admission or a student in attendance may waive the right to inspect and review confidential letters and statements of recommendation. The waiver applies to letters or statements only if it is in writing and designated by the student and if:

1. The applicant or student is notified of the names of those providing letters or statements.
2. The documents are used only for the purpose intended.
3. The waiver is not required as a condition of admission or receipt of any service or benefit from the University.

A waiver may be revoked, but that action must be in writing and filed with the office in possession of the waiver.

Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by Lake Superior State University to comply with the requirements of FERPA. The name and the address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

Additional Information

Lake Superior State University complies with Section 113 of the Carl D. Perkins Vocational and Technical Education Act and Section 122 of the Workforce Investment Act of 1998. LSSU uses the student's SSN in order to compile required WIA and Perkins Act reports.

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Degree Requirements

Lake Superior State University offers bachelor (also called baccalaureate) degrees, associate degrees and certificates. These degrees are offered in a wide variety of academic programs. Each academic department has a set of specific courses and other requirements for each of its degree programs. However, some requirements are of a general nature, applying to all such degrees. These are discussed below.

Bachelor degree: A minimum of 124 credits (at the 100 level or higher) is required for a bachelor degree. Some programs require more than this number of credits. Requirement categories are: general education, bachelor of arts (if applicable) and departmental. Some programs require support courses and/or a minor, and free electives.

Bachelor of Arts degree (8 credits): One year of a modern language other than English. If taken at LSSU, this would be CHIN151-CHIN152 or CHIN251-CHIN252; FREN151-FREN152 or FREN251-FREN252; or SPAN161-SPAN162. One-half year of two different languages will not meet this requirement.

Associate degree: A minimum of 62 credits (at the 100 level or higher) is required for an associate degree. Some programs require more than this number of credits. Requirement categories are: general education and departmental. Some programs require support courses and free electives.

Certificate: A certificate may be comprised of a series of courses/experiences housed in one department, or a cluster of courses/experiences in a defined thematic area which are not confined to a single disciplinary area - referred to as a multidisciplinary certificate.

Minor: Academic minor programs are offered in a wide variety of disciplines. A minimum of 20 credits is required for a minor, with some minors requiring additional credits.

GPA: A minimum cumulative grade point average of 2.00 for all credits carried at Lake Superior State University **and** a minimum cumulative grade point average of 2.00 for all courses required in your major, minor and general education is necessary for graduation. Some degree programs may require a higher gpa.

Electives: Elective courses are chosen to obtain credit beyond that of specified requirements. Free electives refer to courses you may select completely of your own choice. Designated electives refer to courses selected from a list specified by the department.

Residency Requirements: On-campus and regional centers

Bachelor degree candidates must successfully complete at least 30 of the 124 credits earned for the degree using Lake Superior State University courses. Additionally, at least 50 percent of the departmentally required 300/400 level credits must be earned using Lake Superior State University courses.

Associate degree candidates must successfully complete at least 15 of the 62 credits earned for the degree using Lake Superior State University courses. Additionally, candidates must earn at least 50 percent of their departmentally required credits in courses offered by Lake Superior State University.

Certificate candidates must successfully complete at least 16 of their departmentally required credits in courses offered by Lake Superior State University.

Minor candidates must earn at least 10 of the departmentally required credits using Lake Superior State University courses.

Departmental residency requirements may exceed the residency of the University for certain degree programs.

Multiple Majors

You may earn more than one major by completing all requirements of each desired major program. Before graduation, you must file a Degree Audit approved by the school chair for each major. The double major must be granted as one combined degree such as: bachelor of science degree in accounting and business administration.

Multiple Degrees

If you desire to earn more than one degree, you must complete all program requirements of the additional degree(s) as certified by the school chair, comprising a minimum of 30 additional LSSU credits for each additional baccalaureate degree, or a minimum of 15 additional LSSU credits for each additional associate degree from Lake Superior State University.

There are no overlapping or additive residency requirements between the associate and baccalaureate degree tracks. The degrees stand alone. Earning an additional associate degree and a baccalaureate degree at the same time would require the completion of an additional minimum of 30 credits.

Additional degrees for graduates of other universities

Students who hold a baccalaureate degree at another U.S. accredited institution, and who desire a baccalaureate degree from LSSU, must complete all requirements of an approved degree schedule including at least 30 additional credits in courses offered by LSSU. The degree schedule must be approved by the major school chair and sent to the Registrar's Office. Transfer credits from other universities will be evaluated for those classes used for the new degree. You should initiate the approval process with the school chair at the time of or before commencing study toward the additional degree. The schedule elected shall consist mainly of minor, major and cognate courses.

Courses considered essential to the degree but not previously elected may, at the option of the school chair, be required even though the total may exceed 30 credits. Lake Superior State University general education requirements are considered complete if you earned a bachelor's degree at any United States accredited university or an honors bachelor's degree from an accredited Canadian university.

If you earned a bachelor's degree or associate's degree at another accredited institution and desire an associate's degree from Lake Superior State University, you must complete all requirements of an approved degree schedule including at least 15 additional credits in courses offered by LSSU. The degree schedule process is identical to that described above for an additional bachelor's degree. The schedule

elected shall consist mainly of major and cognate courses. Courses considered essential to the degree but not previously elected may, at the option of the school and college, be required even though the total may exceed 15 credits.

Failed Classes

If you fail a class required for your degree program, you must repeat the class and receive a passing grade. If the failed class is no longer offered because of program changes and/or course deletions, the dean may approve a substitution or waiver recommended by the academic chair. The chair must provide reasons for the recommendation on the substitution/waiver form which is sent to the dean's office.

Exceptions to Graduation Requirements

Exceptions to specific general education requirements may be granted only by the Scholastic Standards Committee. Such exceptions are infrequently made. A petition for exceptions to general education requirements is initiated with the Chair of the Scholastic Standards Committee.

Course substitutions and waivers of departmental degree program requirements may be granted only by the dean of the school or college offering the program (major or minor).

Normally, you will graduate under the program degree requirements in effect and published in the Catalog at the time you are admitted into the given degree program, provided enrollment at the University is continuous. If enrollment is interrupted, or if you select a new major, you must satisfy program requirements in effect at the time you re-enter or officially change to the new major. If program requirements are revised during your enrollment, you will be allowed to graduate under the new requirements providing you can meet such requirements in their entirety.

The University reserves the right to change the requirements for graduation at any time as a means of keeping pace with educational developments affecting the various curricula. As such changes are made, they may, at the discretion of the University, be applied to students already enrolled. In such cases, reasonable and prudent effort will be made to provide the benefit of the new educational program without imposing undue hardship.

Posthumous Degree Policy

A posthumous degree may be awarded in the name of a deceased student upon request of the student's family, if the deceased student had met the requirements as set forth below.

The deceased student will need to be in good academic standing with the University and have completed a majority of the requirements for the degree. The Chair of the school responsible for the student's degree program will make the recommendation to the Dean. The Dean will complete a degree audit and submit it to the Registrar who will complete a verification of the requirements, and submit the request to the Provost. If the Provost approves, the request will be submitted for Presidential approval, and final Board of Trustees approval.

The academic transcript will be marked: "Degree Granted Posthumously". A copy of the academic record will be released, if requested, to an attorney representing the estate of the deceased student.

Deceased students not meeting the above criteria may receive a "Certificate of Achievement" if requested by the family.

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General Education Mission Statement

In a diverse and changing world, college graduates must be prepared for a lifetime of learning in a variety of fields. In order to meet this challenge, general education requirements foster the development of general skills and knowledge that are further developed throughout the curriculum. LSSU graduates will be able to:

- Analyze, develop, and produce rhetorically complex texts
- Communicate competently in a variety of contexts (Communication Outcomes)
- Analyze, evaluate, and explain human aesthetics and its historical development (Humanities Outcomes)
- View the world from cultural perspectives other than their own (Diversity Outcomes)
- Incorporate empirical evidence in the analysis of the causes and consequences of natural phenomena (Natural Science Outcomes)
- Think critically and analytically about the causes and consequences of human behavior (Social Science Outcomes)
- Analyze situations symbolically and quantitatively in order to make decisions and solve problems (Mathematics Outcomes)

General Education Requirements (Bachelors Degree)

Students planning to earn a degree are required to complete general education requirements. The general education requirements will be considered satisfied for students transferring to LSSU with [MTA](#), [MACRAO](#), [GCERT](#) or the [LSSU-Wisconsin Bridge Agreement](#). The general education requirements will be considered satisfied for students who have already earned a bachelors degree (honors bachelor degree from a Canadian University).

- **Oral and Written Communication (9 Credits Minimum)** One year of composition and one semester of communication.

Composition: [ENGL110](#) and [ENGL111](#)

Communication - One course from: [COMM101](#), [COMM201](#) or [COMM225](#)

- **Mathematics (3 Credits Minimum)** One course in Mathematics ([MATH110](#) or higher)
- **Social Science (6 Credits Minimum)** Two courses from different disciplines. Pick one course from any two disciplines:

Business Discipline: [BUSN121](#)
Economics Discipline: [ECON201](#), [ECON202](#), [ECON302](#), ECGE100
Geography Discipline: [GEOG201](#), [GEOG302](#), GGGE100
History Discipline: [HIST101](#), [HIST102](#), [HIST131](#), [HIST132](#), HSGE100
Political Science Discipline: [POLI110](#), [POLI160](#), [POLI241](#), PSGE100
Psychology Discipline: [PSYC101](#), [PSYC155](#), PYGE100
Sociology Discipline: [SOCY101](#), [SOCY102](#), [SOCY113](#), SOGE100.

- **Natural Sciences (7 Credits Minimum)** Two courses from different disciplines - one with a lab. Pick one course from any two disciplines (including interdisciplinary), or pick two from interdisciplinary:

Biology Discipline: [BIOL104](#), [BIOL105](#), [BIOL122](#), [BIOL131](#)
Chemistry Discipline: [CHEM108](#) and [CHEM109](#), [CHEM110](#), [CHEM115](#), [CHEM116](#), [NSCI110](#)
Geology/Geography Discipline: [GEOL115](#), [GEOL121](#), [GEOL122](#), [GEOG106](#), [NSCI102](#)
Physics Discipline: [PHYS221](#), [PHYS231](#), [NSCI101](#)
Interdisciplinary: [NSCI103](#) and [NSCI104](#), [NSCI116](#), [NSCI119](#), [GEOG108](#)
Other: NSGE100*

*Two NSGE100 courses may be used if the reviewing dean determines that two or more disciplines are represented.

- **Humanities (6 Credits Minimum)** Two courses from different disciplines. Pick one course from any two disciplines (including interdisciplinary), or pick two from interdisciplinary:

Arts Discipline: [ARTS250](#), [ARTS251](#), [HUMN240](#)
Culture Discipline: [ENGL180](#) (effective Summer 2015), [HUMN203](#)
Music Discipline: [MUSC220](#), [MUSC221](#)
Mythology Discipline: [HUMN255](#)
Philosophy Discipline: [PHIL302](#), [PHIL305](#)
Language Discipline: Second year (6-8 credits) of a foreign language (e.g. [SPAN261](#) and [SPAN262](#) may be used as one course)
Interdisciplinary: [HUMN251](#), [HUMN252](#),
Other: HUGE100*

*Two HUGE100 courses may be used if the reviewing dean determines that two or more disciplines are represented.

- **Cultural Diversity (3 Credits Minimum)** from:

[BUSN308](#), [EDUC250](#), [ENGL235](#) (effective Summer 2015), [ENGL236](#) (effective Summer 2015), [GEOG306](#), [HIST203](#), [HLTH328](#), [POLI234](#), [POLI334](#), SDGE100, [SOCY103](#), [SOCY213](#), [SOCY225](#), [SOCY321](#).

Total Credits Required: 34 - 36

General Education Requirements (Associates Degree)

- **Oral and Written Communication:** [ENGL110](#), [ENGL111](#), [COMM101](#)
- **Mathematics (Minimum 3 credits):** [MATH110](#) or higher or [PHIL205](#)
- **12 additional General Education credits are required** (chosen from at

least two of the following categories listed above: Humanities, Natural Science, Social Science, or Diversity).

Total Credits Required: 24

General Education Requirements (Associate of Applied Science Degree)

- **Oral and Written Communication:** [ENGL110](#) and [ENGL111](#) or [COMM101](#)
- **Mathematics (Minimum 3 credits):** [MATH102](#) or higher or [PHIL205](#)
- **6 additional General Education credits are required** (chosen from the following categories listed above: Communication Skills, Humanities, Mathematics, Natural Science, Social Science, or Diversity).

Total Credits Required: 15

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Two semesters prior to intended graduation, students must submit the following to the Registrar's Office:

Graduation Application: Students must complete a [Graduation Application](#) for each degree or certificate they plan to receive.

Official Degree Audit: The official Degree Audit for a student's major or minor specifies all required courses that have been or must be completed. The audit must be signed by the chair of the school or department offering the major or minor program. Course substitutions and waivers of departmental degree program requirements may be granted only by the chair and approved by the dean of the college offering the major or minor program. Course substitutions and waivers for education majors or minors must also have approval from the School of Education.

Exceptions to specific general education requirements may be granted only by the Scholastic Standards Committee. Such exceptions are infrequently made. A petition for exceptions to general education requirements is initiated with the Chair of Scholastic Standards.

The Registrar's Office will verify the students' Degree Audits and will send a Degree Audit Verification Form to each student and respective department. Students are responsible for examining this verification form and requesting clarification of anything that is not consistent with their records or understanding.

A final degree audit verification will be completed after grades are received at the end of the semester, for students planning to graduate as of that semester. The degree will be awarded if all requirements have been satisfied. Names of graduates are then sent to the president for approval by the Board of Trustees. Subsequently, a diploma is provided to each student.

Please Note: Students are **not** eligible to receive a degree or certificate with an "I" (incomplete) grade on their academic record.

Diploma charge: There is no charge for the first diploma from the University. A fee is charged for [replacement diplomas](#).

Students completing graduation requirements in the fall, spring or summer semester who need documentation of degree completion before their diploma is available, may request a letter from the Registrar's Office certifying that they have completed degree requirements.

Graduation with honors: Honors graduates must earn at least 30 credits at Lake Superior State University.

Cum Laude: Cumulative gpa of 3.50 to 3.69

Magna Cum Laude: Cumulative gpa of 3.70 to 3.89

Summa Cum Laude: Cumulative gpa of 3.90 to 4.00

Graduation diplomas with honors will be awarded to baccalaureate, associate, and certificate recipients. Honors medallions will be awarded to baccalaureate, associate and certificate recipients who graduate summa cum laude.

For the commencement ceremony and program, honors status will be determined based on the Fall Semester cumulative gpa. Official graduation with honors status will be granted based on students' final cumulative gpa at LSSU.

Honors Degree

The University Honors Program offers highly motivated students the opportunity to develop their abilities and skills in exciting and innovative ways. The central goal of the University honors program is to create a community of scholars characterized by strong student-faculty interaction around the world of ideas. The honors program fosters an approach to education that incorporates the qualities of active participation, intellectual curiosity and an interdisciplinary focus.

Selection is based upon a number of factors, including: ACT scores, high school grade point average, application essay, personal interview and Lake State faculty nomination. Students invited to participate in the program enroll in courses designated for honors credit. The courses are distributed among the requirements for general education, the student's major, and the University honors program and may include small seminars or independent research projects.

To graduate with an honors degree in a program of study, the honors student must have formal acceptance into the University honors program and have successfully completed 21 honors credit hours with an overall grade point average of 3.5* or better at graduation. The 21 honors credit hours are to be distributed among the University's requirements for general education, the student's major and the University honors program.

Upon graduation from the honors program, the student will receive an honors degree in his/her program of study. The honors degree designation is indicated on the student's diploma and is distinct from graduating with honors (see Graduation with Honors).

**Students who entered LSSU prior to Fall 2005 will be allowed to continue in the Honors Program with a cumulative gpa of 3.3 (i.e. the previous requirement is "grandfathered" in).*

Acceptance of Other Institutions' Honors Credits

This policy applies only to the transfer of honors credits which count towards earning an honors degree at Lake Superior State University. It does not affect non-honors course credits and the transfer of those credits to LSSU.

1. The LSSU Honors Program will accept up to 12 honors credits with a grade no lower than B taken at an accredited college or university. These accepted honors credits will count towards the 21 honors credits required to graduate from LSSU's Honors Program.
2. To graduate from the Honors Program at LSSU, students affected by this policy must meet the following requirements at LSSU:
 1. At least one, three-credit 200 or 300 level Honors seminar (e.g., HONR 302)
 2. The completion of the capstone senior thesis project
3. Students who transfer into LSSU's Honors Program will receive the same honors benefits given to other students who enter LSSU's program earlier. These include but are not limited to:

1. Priority Registration
2. Optional Honors Housing
3. Opportunities to participate at Honors Program conferences

4. Students who transfer into LSSU's Honors Program will receive the same Honors designation on their Lake Superior State University diploma as other LSSU students who meet its Honors requirements by their graduation date.
5. This Policy shall commence on January 24, 2012, or as soon thereafter as administratively possible, and shall be in effect until suspended or terminated.
6. Students already admitted into the Lake Superior State University Honors Program at the time of suspension or termination will be allowed to complete the Program at LSSU under the terms of this policy enumerated (above) in numbers 1 through 4. Suspension or termination will only affect those admitted after suspension or termination of this policy.

Commencement

From the Graduation Application Forms submitted by students, a potential graduate list is created each semester. The names of students who are listed in the annual commencement program are also compiled from the Graduation Application Forms. Names for the commencement program and diplomas will be the official, legal name as listed in the records of the University. Students may not be listed in the commencement program unless their Graduation Application Form is filed with the Registrar's Office six weeks prior to commencement. Students are expected to attend [commencement](#) exercises unless excused by the Registrar's Office.

Students completing degree requirements during the summer semester may participate in the May commencement ceremony if their Graduation Application Form is received six weeks prior to commencement.

Participation in the commencement ceremony is NOT equivalent to graduation. Because the ceremony occurs before final grades are submitted, it is not possible to determine if all degree requirements have been satisfied at that time.

Missing Requirements

Students not graduating because of missing requirements will be sent a letter notifying them of the missing requirements and will direct them to the department of their major.

Graduation Audit Policy

Graduation Audits (Graduation Application, Degree Audit, supporting paperwork) are maintained in the Registrar's Office permanently for students that apply to graduate but ultimately do not graduate due to missing requirements.

If the student re-applies to graduate within two years from original graduation application term, the student will follow the same degree audit previously submitted.

If the student re-applies to graduate after two years from the previous graduation application, the student will be directed to contact their academic department to request a new Degree Audit. The Registrar's Office will provide copies of the student's graduation audit paperwork to the academic department as requested. The student will also be required to complete a new Graduation Application to be submitted to the Registrar's Office with the updated, official, signed degree audit from their academic department.

Because degree programs are continually assessed, requirements may change during the student's absence. Students will need to work with their academic

departments in order to fulfill the department requirements in place at the time the student returns to LSSU.

For degree programs that are no longer available (eliminated/suspended), students having completed the Graduation Application process will be directed to their academic department for advisement.

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Each course description is preceded by the following type of heading:

**CHEM999 Chemistry
(3,3) 5**

or

**CHEM999 Chemistry
(3,3,1) 5**

or

**CHEM999 Chemistry
(3,3) *alternate years* 5**

The first line provides the code number (CHEM999) and the course name; see abbreviation legend below. The second line includes several pieces of information: The first two numbers in parentheses are hours of lecture-lab per week. If the course has a recitation component, it will be listed next. The far right digit indicates the number of credit hours. Sometimes, no semester will be indicated, or there may be an alternate years or "every third year" notation. Consult either the on-line course schedule listings prior to registration or your department chair concerning scheduling of such courses.

NOTE: Students must satisfy prerequisites and any other stated conditions before enrolling in a course, **or have permission from the instructor to waive the prerequisites**. Enrollment in a course may be revoked if it is found during the regular add/drop period that the proper prerequisites have not been met. Responsibility rests with students to be certain that they have the approved prerequisites.

Abbreviations

- [ACTG - Accounting](#)
- [ARTS - Art](#)
- [BIOL - Biology](#)
- [BUSN - Business](#)
- [CHEM - Chemistry](#)
- [CHLD - Early Childhood Education](#)
- [CHIN - Chinese](#)
- [CJUS - Criminal Justice](#)
- [COMM - Communication](#)
- [CSCI - Computer Science](#)
- [DANC - Dance](#)
- [DATA - Data Processing](#)
- [ECON - Economics](#)

- [EDSE - Special Education](#)
- [EDUC - Teacher Education](#)
- [EGEE - Electrical Engineering](#)
- [EGEM - Engineering Mechanics](#)
- [EGET - Electrical Engineering Technology](#)
- [EGME - Mechanical Engineering](#)
- [EGMF - Manufacturing Technology](#)
- [EGMT - Manufacturing Engineering Technology](#)
- [EGNR - General Engineering](#)
- [EGRS - Robotics and Control Systems](#)
- [EMED - Emergency Medical Services](#)
- [ENGL - English](#)
- [EVRN - Environmental Science](#)
- [EXER - Exercise Science](#)
- [FINC - Finance](#)
- [FINE - Fine Arts](#)
- [FIRE - Fire Science](#)
- [FREN - French](#)
- [GEOG - Geography](#)
- [GEOL - Geology](#)
- [HIST - History](#)
- [HLTH - Health Sciences](#)
- [HONR - Honors Program](#)
- [HUMN - Humanities](#)
- [INTB - International Business](#)
- [INTD - Interdisciplinary](#)
- [JAPN - Japanese Studies](#)
- [JOUR - Journalism](#)
- [LAWS - Law](#)
- [LIBR - Library](#)
- [LING - Linguistics](#)
- [MATH - Mathematics](#)
- [MGMT - Management](#)
- [MRKT - Marketing](#)
- [MUSC - Music](#)
- [NSCI - Natural Science](#)
- [NURS - Nursing](#)
- [OFFC - Office Administration](#)
- [PHIL - Philosophy](#)
- [PHYS - Physics](#)
- [PNUR - Practical Nursing](#)
- [POLI - Political Science](#)
- [PSYC - Psychology](#)
- [READ - Reading](#)
- [RECA - Recreational Activities](#)
- [RECS - Recreation Studies](#)
- [SERV - Student Services](#)
- [SOCY - Sociology](#)
- [SOWK - Social Work](#)
- [SPAN - Spanish](#)
- [THEA - Theatre](#)

- [USEM - University Seminar](#)
-

ACTG132
Principles of Accounting I -
(4,0) 4

An introduction to the principles and procedures of accounting as applied to proprietorships and corporations. Areas of study include the accounting, internal control and the asset, liability and equity sections of the balance sheet. Prerequisite: Two years of high school algebra and equivalent/satisfactory score on ACT/SAT or Placement Exam or MATH102 with a grade of C or better.

ACTG133
Principles of Accounting II
(4,0) 4

This course emphasizes the role of managerial accounting information within a firm. Topics include budgeting, responsibility accounting, cost allocations, cost behavior, decision models, product costing, cost control, performance evaluation, capital budgeting, cash flows and methods of financial analysis. Prerequisite: Grade of C or higher in ACTG132.

ACTG230
Fundamentals of Accounting
(4,) 4

This course is designed to give non-business majors an understanding of the accounting process and the knowledge to read, understand, and use financial statements and reports in making decisions. The emphasis is on the use, rather than the generation, of accounting information. This course is not open to business majors.

ACTG232
Intermediate Accounting I
(4,0) 4

A review of the general theoretical framework and process of accounting for use as a reference in an intensive study of accounting doctrines and procedures proposed by various authoritative groups. Topics: Generally accepted accounting principles; the accounting process; balance sheet; income statement; present value principles and application; cash and temporary investments; receivables; inventories, plant and intangible assets; and long term investments. Prerequisites: ACTG132 and 133.

ACTG233
Intermediate Accounting II
(4,0) 4

Continuation of ACTG232 with reference to accounting theory as applied to specific critical areas of financial data accumulation and presentation. Emphasis is placed on valuation concepts and their influence on contemporary practice. Topics: Liabilities; long term debt securities; owner's equity; earnings and revenue recognition; income taxes; leases; pensions; error correction; cash flows; and financial statement analysis. Prerequisite: Grade of C or higher in ACTG232.

ACTG332

Cost Management I

(4,0) 4

An advanced study of managerial accounting as it applies to management practices. Topics include job order and process costing systems, value chain management, activity based costing and management, joint product costing, CVP analysis, cost allocations, budgeting, and financial planning models, and allocation of support activity costs. Prerequisite: ACTG133.

ACTG333

Cost Management II

(4,0) 4

A continuation of ACTG332. Topics include strategic decision making, strategic issues in capital investment decisions, standard costing and variance analysis, performance evaluation and the balanced scorecard, responsibility accounting, investment centers and transfer pricing, target costing, theory of constraints, and strategic pricing, managing and controlling quality, management compensation, and business valuation. Prerequisite: ACTG332.

ACTG334

Accounting Information Systems

(3,0) 3

Elements that constitute an accounting system and theories upon which a system should be designed. Emphasis upon computerized accounting systems with extensive use of computers. Prerequisites: ACTG233, ACTG332, introductory data processing course.

ACTG350

Income Tax Practicum

(0,3) 1

Field instruction and practical experience in federal and state income tax preparation. Prerequisite: ACTG421. Repeat up to two times for a maximum of 2 credits.

ACTG421

Federal Taxation Accounting I

(3,0) 3

Basic concepts of the theory and practice applicable to the preparation of individual tax returns. A comprehensive analysis of regulations governing inclusions and exclusions of income; capital gains and losses; and personal, standard, and itemized deductions. Prerequisites: ACTG133 and junior standing or approval of the department.

ACTG422

Federal Taxation Accounting II

(3,0) 3

Theory and practice of income tax accounting as applied to tax credits, partnerships, and corporations. Includes some library tax research. Prerequisite: ACTG421.

ACTG427

Auditing

(4,0) 4

A study of ethical, professional, and technical standards for independent audits and auditing procedures as they apply to internal controls. A study of audit program applications as they apply to elements of the financial statements. Prerequisites: ACTG233 and 333.

ACTG432

Advanced Accounting: Consolidations

(4,0) 4

This course involves a study of corporate business combinations and the preparation of related consolidated financial statements. International accounting issues related to the hedging of foreign currency transactions, translation of foreign financial statements and the application/comparison of international accounting standards will also be presented. Prerequisite: ACTG233 with a grade of C or higher.

ACTG433

Advanced Accounting: Governmental

(4,0) 4

An introduction to governmental and nonprofit accounting as applied to state and local governments and other nongovernmental not-for-profit entities including colleges and universities, and health care organizations. Areas of study include both the source of GASB standards and statements and the application of this theory to the governmental accounting cycle. Students will also be exposed to and apply a variety of financial performance measures unique to this sector of the economy. Students will prepare a monthly transaction analysis and complete a governmental practice set. Prerequisite: ACTG233 with a grade of C or higher.

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ARTS109

Principles of Design and Color

(0,4.5) 3

This course acquaints students with the various possibilities of working with two-dimensional space and color theory. Participants will explore line, form, shape, texture, color and the use of negative and positive space. Prerequisite: None.

ARTS110

Fundamentals of Drawing

(0,4.5) 3

This course will introduce the participant to basic drawing techniques. Students will draw from observation, working toward the creation of a portfolio of drawings for final submission. Prerequisite: None.

ARTS111

Introduction to Painting

(0,4.5) 3

Participants will explore fundamental painting techniques and methods. Color theory and basic compositional styles will be covered. With an emphasis on representational painting, students will build a body of self-expressive work using acrylic paint and possibly other media. Prerequisite: None.

ARTS115

Introduction to Ceramics

(0,4.5) 3

A basic course in ceramics with emphasis on throwing and hand construction techniques, design, aesthetics and the creative development of clay objects. Prerequisite: None.

ARTS212

Art for Elementary Teachers

(3, 0) 3

This course is designed to provide an understanding of the philosophy, theories and contemporary issues of art education in kindergarten through sixth grade. Various art media will be explored by the student, and curriculum planning and evaluation will be discussed.

ARTS220

Drawing & Painting Studio I

(0,4.5) 3

In an open studio environment, through directed study, students will use aspects of drawing and painting to produce original artwork, displaying a basic level of studio work. This class combines skills learned in foundational courses into a mode of self-expression. Prerequisite: ARTS111 and either ARTS109 or ARTS110.

ARTS250

Art History and Appreciation I

(4,0) 4

Study of arts exemplified in prehistoric and primitive cultures, and in the Mesopotamian, Egyptian, Aegean, Greek, Roman, early Christian, Byzantine, Moslem, Roman and Gothic eras. The course presents a development of historic, social and aesthetic principles, including a study of signs and symbols for students of art education, science, letters, business and engineering. Art history is taught in terms of visual experience and knowledge with art films, slides and demonstrations with art materials in addition to class lectures. Universal standards that can be applied to any work of art are studied. Counts as humanities credit for general education requirements.

ARTS251

Art History and Appreciation II

(4,0) 4

A study of European and American art from the Renaissance to the 20th century, including Renaissance, baroque, rococo, neoclassic, romantic, realist and contemporary. The history of art is presented from a technical, social and aesthetic standpoint, along with a study of rhythm, motion, and proportion. Works of art are considered on their own merits and development rather than on the basis of preconceptions. Art films, color slide presentations and demonstrations using art materials supplement class lectures. Counts as humanities credit for general

education requirements.

ARTS320

Drawing & Painting Studio II

(0,4.5) 3

Students will investigate a personal direction that fulfills their identity as artists, demonstrating an intermediate level of studio work. Focusing on developing each student's artistic identity, this class is composed of directed studio time and critiques. Prerequisite: ARTS220.

ARTS420

Drawing & Painting Studio III

(0,4.5) 3

In an open studio environment, reinforced by frequent critiques, this course focuses on the individual formative process as students choose among multiple thematic possibilities in order to produce a more advanced level of studio work through directed study. Prerequisite: ARTS320.

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BIOL104

Survey of General Biology

(3,3) 4

This course is a non-majors biology course that will cover the major units of general biology: (1) cells and energy; (2) genetics; (3) evolution; (4) organismal biology; (5) ecology. Developing a solid understanding of the fundamentals of general biology is vital to being an informed citizen about advances in the medical and food sciences, foundational and new information about the organization of life, and current issues of environmental and ecological concern. Course content is tied to the State of Michigan's benchmarks for training elementary school teachers, but any students interested in the life sciences are encouraged to take this class. The laboratory is designed to illustrate the course content as well as illustrate the principles of inquiry. Prerequisites: ENGL091, MATH086 and READ091 or equivalent test scores.

BIOL105

Function of the Human Body

(3,2) 4

Survey of the functional anatomy and the related physiological processes needed for the understanding of normal human activity. Not open to biological majors or minors. Prerequisite: ENGL091 or equivalent.

BIOL106

Boat Handling and Navigation

(2,3) 3

Topics related to the art of seamanship are covered, including the basics of boating and safety. Piloting and navigation are emphasized with an understanding of weather, waves, and wind, as well as the use of board electronic equipment. Pre- or corequisites: MATH102.

BIOL107
Field Biology

(2,3) 3

Introduction to organisms and their environmental interactions and conservation concerns with emphasis on Eastern UP. Lab consists primarily of field experiences. Not open to biology majors. Prerequisite: ENGL091 or equivalent.

BIOL121
Human Anatomy and Physiology I

(3,3) 4

This is the first half of a two-course sequence. This course covers organization of the human body, basic principles of chemistry, the integumentary system, the skeletal and muscular systems, the nervous system and special senses. Laboratory experiences are designed to complement the lecture topics. This course may not be used as a general education natural science elective nor does this sequence apply toward a major or minor in biological science. Prerequisites: High school chemistry, ENGL091 or equivalent, and MATH088 or equivalent satisfactory score on ACT or Placement Exam.

BIOL122
Human Anatomy and Physiology II

(3,3) 4

The second half of the Human Anatomy and Physiology sequence emphasizes the endocrine system, cardiovascular system, lymphatics and the immune response, respiratory system, digestive system, urinary system and the reproductive system. Laboratory experiences are coordinated with the lecture discussions. Prerequisite: BIOL121.

BIOL126
Interpretation of Maps and Aerial Photographs

(1,3) 2

Introduction to use and interpretation of 1:24,000 USGS topographic maps. Topics covered include: determination and calculation of scale, map coordinate systems, projections, and locating features using the General Land Office Survey System. Local landforms will be interpreted from aerial photography at a variety of scales and correlated with map interpretations. Land use and cover will be determined using both black and white and color infrared photography. Pre- or corequisite: MATH102 or higher.

BIOL131
General Biology: Cells

(3,3) 4

This course is an introduction to the cellular aspects of general biology. This course will provide an overview of cellular biology and serve as a framework for further biological studies. Topics to be covered include basic chemistry of the cell, function of cellular organelles, cellular metabolism including respiration and photosynthesis, the cell cycle, mitosis, meiosis, simple transmission genetics, introduction to molecular and developmental biology. The laboratory introduces the student to inquiry based scientific method. Prerequisites: MATH088, ENGL091, or equivalent scores on the math and English placement exams.

BIOL132

General Biology: Organisms

(3,3) 4

An introduction to the diversity of life, including the morphology, physiology, reproduction, general habitats and taxonomy of organisms. Adaptation to environment and modern concepts of evolution are stressed as unifying themes throughout the course. Prerequisites: MATH088, ENGL091, or equivalent scores on the math and English placement exams.

BIOL199

Freshman Seminar

(1,0) 1

A partial focus for this course will be on academic skills and the transition from high school to college. Topics will include time management, use of campus resources, development of critical thinking, and strengthening study skills. At other times students will meet in discipline-based groups in conjunction with BIOL299, BIOL399 and BIOL499. These meetings will include discussion of literature relevant to the discipline and progress reports from upper-class students engaged in scholarly projects.

BIOL202

Field Botany

(2,3) 3

A study of the common families, genera, and species, especially those in the local flora. Prerequisite: BIOL132

BIOL203

Fundamentals of Natural Resources

(3,0) 3

This course will introduce students to the history of natural resource conservation and management, career opportunities within the field of natural resources, and interaction between humans and the environment. The course will focus extensively on basic concepts in human dimensions as they apply to natural resource conservation and management. Course topics include assessing social attitudes and values, social conflicts and conflict resolution, legal and regulatory framework of natural resource management, and the role of stakeholder groups in conservation and management. Prerequisite: ENGL111. Pre- or corequisite: COMM101.

BIOL204

General Microbiology

(3,3) 4

This course will deal with the history and scope of microbiology, a study of microbial structure, growth, nutrition, metabolism, genetics, taxonomy and control. A study of mycoplasma, viruses and molds will be incorporated with genetic engineering and recombinant DNA. Labs will emphasize the identification and cultivation of molds and bacteria. Prerequisites: BIOL131 and CHEM115.

BIOL206

Medical Laboratory Practices

(2,0) 2

Covers fundamental principles of medical laboratory science including safety, specimen handling, measurement, common calculations, organization of the medical laboratory, automation, and quality control. Prerequisites: MATH111, CHEM115, BIOL131.

BIOL220

Genetics

(3,3) 4

This course covers the three major subdivisions of the study of genetics - Mendelian or transmission genetics, molecular biology, and population genetics. Transmission genetics topics will include traditional genetics problems and modes of inheritance; mitosis, meiosis and control of the cell cycle; chromosomal structure and recombination. Molecular topics will include information on DNA structure and replication, transcription, translation, gene cloning, genomics, and current research in DNA technology. Topics in population genetics will include aspects of the Hardy-Weinberg theory. The laboratory will include exercises in both traditional and molecular genetics. Prerequisites: BIOL131, CHEM115 and (BIOL250 or sophomore statistics course).

BIOL223

Clinical Microbiology

(3,0) 3

A basic course in microbiology dealing with the study of microorganisms and pathogens in humans. A survey of viruses, molds and bacteria. Their morphology and growth characteristics will be discussed along with the physical and chemical means to control pathogenic microorganisms causing human infections. Prerequisites: CHEM105 or CHEM110 and BIOL122. Does not apply towards a major or minor in biology.

BIOL230

Introduction to Soil Science

(3,3) 4

A course dealing with the soil ecosystem as a natural resource and as an environmental medium. Beginning with factors involved in soil formation the course will survey soil physical, chemical, and organic properties and how they respond to disturbance. Soil reactions to wastes and wetland interactions will be discussed. Laboratories will focus on description of local soils and the use of soil survey information in making soil interpretations. Prerequisites: CHEM108 and CHEM109 or above; NSCI103 or BIOL132; BIOL126.

BIOL240

Natural History of the Vertebrates

(3,0) 3

A survey course covering the taxonomy, phylogeny and ecology of vertebrates with an emphasis on North American taxa. Prerequisite: BIOL107 or 132.

BIOL243

Vertebrate Anatomy

(3,3) 4

A detailed study of the origin, phylogeny and anatomy of the vertebrates. Laboratories emphasize the thorough dissection of representatives of at least three

classes of vertebrates. Prerequisite: BIOL132 and sophomore standing.

BIOL250
Quantitative Biology
(3,0) 3

This course will use quantitative methods to examine biological relationships and processes. Students will explore diverse biological topics including heat and energy balance, relative growth, photosynthesis, genetic drift, and diffusion using a variety of quantitative tools. Prerequisites: BIOL131, 132 and MATH111.

BIOL280
Biostatistics
(2,2) 3

A course in the design and analysis of biological experiments. The focus of the course is the development of a systematic method for determining an appropriate statistical technique and the interpretation of results in terms of biological science. Prerequisites: BIOL131, BIOL132, and MATH111 or Calculus.

BIOL284
Principles of Forest Conservation
(2,4) 4

An introduction to forest structure, function, and ecology. Important fundamentals of conservation biology such as the effects of disturbance, fragmentation, and biodiversity on forest ecosystems will be emphasized. Students will master identification of tree and shrub species of the Eastern Upper Peninsula and perform commonly used techniques to evaluate the forest resource. The lab portion of the course is in the field and proper dress is required. In addition, one all-day field trip will be scheduled. Prerequisites: BIOL132 or NSCI103; and BIOL126.

BIOL285
Principles of Epidemiology
(3,0) 3

Principles, purpose and methods of descriptive and analytic epidemiology with emphasis on environmental health. Prerequisite: MATH207.

BIOL286
Principles of Watersheds
(3,0) 3

Overview of the geomorphology, hydrology and biota of various watersheds, with emphasis on hydrographic methods, sampling techniques, land use and management principles. Prerequisites: MATH111.

BIOL287
Conservation Biology
(3,0) 3

This course will provide a strong background in the field of conservation biology. The course will discuss patterns in, valuation of, and threats to biodiversity. The course will also examine tools and strategies for conserving biodiversity at the population and species levels and discuss the application of conservation biology in

today's society. Specific topics include: (1) Principles of and issues in conservation; (2) Threats to biodiversity; (3) Methods and approaches to evaluate and mitigate threats; (4) Application of principles in the design of conservation reserves, restorations, and sustainable development. Prerequisites: BIOL131 and 132

BIOL289
Aquatic Research Sampling Methods
(2,3) 3

A variety of sampling techniques are introduced as they relate to the various disciplines of aquatic science. These methods include sampling and preservation of biotic (plankton, fish, benthic invertebrates, DNA, pathogens) and abiotic (water quality, sediments, climate) data. Prerequisites: BIOL107, CHEM108/109, MATH111 and permission of instructor. Also listed as EVRN289.

BIOL290
Independent Study in Biology
(1-4,0) 1-4

Special studies and/or research in biology for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of department and college dean. Prerequisites: Students must have an overall GPA of at least 2.5, and no "I" grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the School of Natural Science.

BIOL299
Sophomore Seminar
(1,0) 1

Students meet in discipline-based, student-faculty groups in conjunction with BIOL199, 399 and 499. Weekly meetings will include discussion of literature relevant to the discipline and progress reports from upperclass students engaged in scholarly projects. Sophomores will assist with ongoing projects and will be guided by faculty and juniors enrolled in BIOL399 to conduct a comprehensive, annotated literature search in their area of interest. Prerequisite: BIOL199 and ENGL111.

BIOL302
Invertebrate Zoology
(2,3) 3

A study of the invertebrate groups with emphasis on morphology, phylogeny and life cycles. Prerequisite: BIOL132.

BIOL303
General Entomology
(2,3) 3

An introduction to the biology, ecology and systematics of the insects. This course covers fundamentals of insect taxonomy and physiology; and the varied roles insects play in the natural world and in human history and culture. Prerequisite: BIOL132.

BIOL304
The Human Environment

(3,0) 3

Designed to assist the participant in understanding how the individual can become involved with solving environmental problems. Prerequisite: Junior Status.

BIOL306
Medical Mycology

(2,2) 3

Covers fungal structure, reproduction, and classification, medically important fungi and the diseases they cause, techniques for identifying fungi in clinical specimens and for culturing fungi in the laboratory. Laboratory covers techniques for fungal culture and identification, and practice identifying fungal diseases from prepared slides and/or photographs. Prerequisite: BIOL132 and BIOL204.

BIOL310
Ichthyology

(2,3) 3

Study of the anatomy, physiology, behavior, taxonomy and natural history of fishes, with emphasis on freshwater species, particularly those in the Great Lakes region. Prerequisite: BIOL131 and BIOL132.

BIOL311
Mammalogy

(2,3) 3

An investigation of the natural history, biology and taxonomy of mammals. Techniques for measuring and monitoring mammalian populations will be presented. The laboratory will focus on field techniques and the identification by skin, skull and track of mammals of the Great Lakes region. Prerequisite: BIOL243 or BIOL330.

BIOL312
Ornithology

(2,4) 3

A study of the biology and taxonomy of birds. Labs will focus upon bird anatomy and bird recognition using video tapes and specimens. Prerequisite: BIOL132.

BIOL315
Plant Physiology

(3,3) 4

A study of the organization of plants, plant replication, photophysiology and photosynthesis, mineral nutrition, water transport in higher plants, plant growth substances, physiology of seeds, control of plant growth and plant cell tissue culture. Prerequisites: BIOL250 and CHEM115.

BIOL330
Animal Physiology

(3,3) 4

The course examines the many ways animal groups solve the problem of maintaining internal homeostasis. Neural control, endocrine systems, gas exchange, energy acquisition and temperature regulation are a few of the topics examined.

The lab is closely tied to the lecture material using non-invasive live animal experiments, computer-interfaced data gathering and analysis. Prerequisites: BIOL250 and CHEM116.

BIOL332

Embryology

(2,2) 3 alternate years

A study of pattern formation and morphogenic processes in animals, with an emphasis on vertebrates. The laboratory portion of the course emphasizes descriptive ontogeny of representative vertebrates. Prerequisites: BIOL131 and BL132. (BL243 is highly recommended.)

BIOL333

Fish Ecology

(3,0) 3

A study of the relationship of fishes to their physical, chemical and biological environments in natural and perturbed aquatic ecosystems with an emphasis on response and adaptation at the organism, population and community levels. Various types of aquatic ecosystems will be examined with respect to habitat accommodations of fish and the impact of human activities. Includes ecological principles as applied to important sport, commercial and forage fish species. Prerequisite: BIOL310.

BIOL335

Principles of Animal Nutrition

(3,0) 3 alternate years

A scientific approach to the nutritional role of water, carbohydrates, proteins, lipids, minerals, and vitamins. The course will emphasize comparative aspects of gastrointestinal anatomy and physiology for livestock, wildlife, and fish. Prerequisites: BIOL250 AND CHEM116.

BIOL337

General Ecology

(2,3) 3

A survey of concepts and applications of plant and animal physiological, morphological, behavioral, population, community, and systems ecology. Prerequisites: BIOL131, BIOL132 and MATH111.

BIOL339

Wildlife Ecology

(3,0) 3

A quantitative analysis of the ecology and management of wildlife populations. Theories of population dynamics and distribution are presented. Community interactions including competition, predation, and herbivory, are explored in detail. Prerequisites: BIOL250, 280 and 337.

BIOL345

Limnology

(2,4) 4

An investigation of the principles of freshwater ecosystems with an emphasis on lakes. The physics and chemistry of natural systems are presented, as well as a survey of the dominant biota and their ecological interactions. Prerequisites: BIOL250 and CHEM115.

BIOL372
Freshwater Fish Culture
(2,3) 3

Instruction in water quality monitoring, production systems, feeding and nutrition, disease identification and management, and reproduction principles of freshwater fishes used for recreational and commercial fisheries management, bait and food products. Students will learn propagation and rearing techniques for important fishes, particularly those with recreational or commercial value. Prerequisites: BIOL280 and 310.

BIOL380
Clinical Hematology and Hemostasis
(3,3) 4 alternate years

A study of the components of blood. Discussions of the formed elements to include normal and malignant states; anemias, leukemias, lymphomas, hemostasis (coagulation) processes and disease states. Laboratories will cover routine and automated blood component measurements. Offered even numbered spring semesters. Prerequisites: CHEM226 and BIOL330.

BIOL389
Internship in Biology
3-4 3-4

A variable credit practicum course in which the students will perform research and/or gain work experience under the direction of a faculty mentor and a qualified supervisor. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit earned. The course may be repeated once for a maximum of eight credits. Student interns will be required to write weekly updates or journal entries to be submitted to their LSSU faculty mentor for evaluation of what the student has learned. Prerequisites: 2.50 GPA in major and permission of faculty mentor or department chair.

BIOL398
Planning an Experiential Learning Project
(1,0) 1

A weekly seminar class for students planning a major experiential learning project, such as a capstone academic service learning project or internship. Students will work with the course instructor to define the project objectives, outline the tasks, plan the work with the host agency, plan the project assessment techniques and budget, and design the academic evaluation. The outcome of the class will be a proposal for the project. Prerequisites: BIOL299.

BIOL399
Junior Seminar
(1,0) 1

Students meet in discipline-based, student faculty groups in conjunction with BIOL199, 299 and 499. Weekly meetings will include discussion of literature

relevant to the discipline and progress reports from upper class students engaged in scholarly projects. Juniors will serve as mentors to sophomores in the group and will develop and present a proposal for a scholarly project. Prerequisites: BIOL280, 299 and COMM101.

BIOL405

Animal Behavior

(3,0) 3 alternate years

A course designed to examine the proximate mechanisms and the evolutionary development of animal behavior. Important concepts are explained by reference to illustrative studies. An appreciation of the methods and theoretical significance of current research is emphasized. Prerequisites: Junior standing and BIOL330 or 337. Offered even-numbered fall semesters.

BIOL406

Immunoematology

(2,3) 3

Fundamentals of blood banking in the ABO, Rh and other blood group systems; blood component preparation and utilization; transfusion complications; quality control and problem solving. Laboratories include techniques used in immunology/serology; blood grouping; compatibility testing; and antibody identification. Prerequisites: BIOL220, CHEM226, Junior standing and permission of instructor.

BIOL420

Evolutionary Analysis

(3,0) 3

This course explores the fundamental mechanisms of evolutionary process and speciation, and illustrates the use of evolutionary analysis as a problem-solving tool. Issues of current interest in ecology, conservation, animal behavior, human medicine and a variety of other fields are addressed from the evolutionary perspective to explain biological phenomena and community interactions. Prerequisite: BIOL220 and 250.

BIOL421

Advanced Cell & Molecular Biology

(3,3) 4

This course will examine cellular structure and function with emphasis on organelle ultrastructure, cell membranes and permeability, cellular interactions, and the molecular foundations of genetic mechanisms and cell energetics. Prerequisites: BIOL220 and CHEM351.

BIOL422

Parasitology

(2,2) 3

A study of the morphology, taxonomy, habitats, pathology and life cycles of parasites. Prerequisites: BIOL131 and 132.

BIOL423

Immunology

(3,3) 4

A study of the basic elements of the immune response system and the various ways in which the immune system can fail, leading to immunopathological reactions. Labs will include current diagnostic methodologies. Prerequisites: BIOL131, 132, 204 and CHEM226.

BIOL425

Virology

(2,3) 3

The basic concepts of virology are discussed. Lab will cover some traditional virology methods but will emphasize recent molecular approaches to viral identification. Prerequisite: BIOL204 and BIOL220.

BIOL426

Ecology of Animal Disease

(3,0) 3

The course covers the population and environmental conditions that favor disease in both terrestrial and aquatic ecosystems. Basic concepts of infection through epidemics will be discussed. Prerequisite: BIOL337.

BIOL432

Fisheries Management

(2,3) 3

A course covering the history, theory and practice of fisheries management with an emphasis on basic strategies used in effective management of fish populations in freshwater ecosystems. Students will learn methods of collection and synthesis of data regarding fish population dynamics and manipulation, habitat modification, and human management to achieve specific fisheries management goals and objectives. Prerequisites: BIOL280, 333 and 345.

BIOL433

Histology

(2,3) 3 alternate years

A systems approach is used to study the microscopic anatomy of mammalian tissues and organs. Related physiological processes are integrated with the anatomical studies. Prerequisites: BIOL330.

BIOL434

Histopathology

(0,3) 1

The course is an intensive laboratory experience where students will learn to visually identify diseased tissue. They will also learn methods of sample preparation including sectioning and staining for microscopic identification of pathogens. Prerequisite or corequisite: BIOL433.

BIOL437

Plant Ecology

(2,3) 3

A study of the autecology, population ecology and community ecology of plants, including fundamental theory, field methods and data analysis. Prerequisites: BIOL202, BIOL337 and MATH207.

BIOL439
Wildlife Management
(2,3) 3

The application of ecological principles to develop practical wildlife management strategies to preserve, enhance or create viable wildlife habitats and populations. Students will have the opportunity to observe and practice standard field and laboratory techniques. Prerequisites: BIOL311 or BIOL312 and BIOL339.

BIOL450
Laboratory Apprenticeship
(0,3) 1

Students will assist in laboratories, learning instructional techniques, under direction of faculty. Course may be repeated for a maximum of two credits. Students must gain approval of the faculty member in charge of the specific laboratory, and the dean. This is a credit/no credit course.

BIOL455
Body Fluids Analysis
(3,2) 4

Covers molecular analytes that are measured in blood, urine, and body fluids: the physiologic and pathologic processes that affect the levels of these analytes, correlations of analyte levels with disease, methods and instruments used to measure them, and principles and practices of quality control. Prerequisites: MATH207, CHEM226, CHEM332, BIOL330.

BIOL460
Clinical Internship
3 or 9

A six-month internship experience in a clinical laboratory. This course is open only to students in the Medical Laboratory Science Major, Clinical Concentration. Students will be placed at one of LSSU's affiliate clinical sites. There they will perform routine analyses of clinical specimens under the supervision of clinical site personnel. Students will be trained in chemical, hematological, microbiological, coagulation, and blood bank analyses. Prerequisites: BIOL380, BIOL406, BIOL423, BIOL455, BIOL480 and Permission of Course Director. Variable credits, 3 or 9; must be repeated once for a maximum of 12 credits.

BIOL470
Restoration Ecology
(3,0) 3

This course will provide a broad overview of restoration of both terrestrial and aquatic ecosystems, including prairies, wetlands, lakes, and streams. Through lectures, field trips, and case study discussions, students will be introduced to ecological principles and techniques used to restore and rehabilitate ecosystems. Students also will be involved in identifying, designing, and evaluating local restoration projects in conjunction with local resource agencies. Prerequisite: BIOL337

BIOL475
Aquatic Entomology
(2,3) 3

Survey and identification of regional lake and stream insects, with additional emphasis on lifehistory strategies and community ecology. Insect physiology, ecology, behavior, importance as fish food organisms, and utility as indicators of water quality is also presented. Prerequisites: BIOL337 and junior standing.

BIOL480
Advanced Clinical Microbiology
(3,3) 4 alternate years

An advanced course in clinical microbiology concerning the role of bacteria, viruses, and fungi as the cause of various human infections. Standard modern clinical laboratory methodology will be covered. Offered odd-numbered spring semesters. Prerequisites: BIOL204 and CHEM226.

BIOL490
Independent Study in Biology
(1-4,0) 1-4

Special studies and/or research in biology for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of department and college dean. Prerequisites: Students must have junior or senior standing, have an overall GPA of at least 2.5, and no "I" grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the College of Science, Technology, Engineering and Mathematics.

BIOL495
Senior Project
(0,6) 2

A practicum under the guidance of a faculty member. The student will conduct a scholarly project based on the proposal submitted by the student in BIOL399 (or an appropriate substitute). Prerequisite: BIOL399.

BIOL497
Experiential Learning Project
3

A full semester/summer practicum experience. Students will develop work goals, responsibilities, and outcomes with their agency supervisor and faculty mentor. Students will prepare formal communication components (workshop or oral presentation and a poster). The experience should be 12 weeks at 40 hours per week. Prerequisite: BIOL398.

BIOL499
Senior Seminar
(1,0) 1

Students meet in discipline-based, student-faculty groups in conjunction with BIOL199, BIOL299 and BIOL399. Weekly meetings will include discussion of literature relevant to the discipline and progress reports from upperclass students

engaged in scholarly projects. Seniors will serve as mentors to freshmen in the group. Seniors will also produce a manuscript describing the results of their project and will be required to give poster and oral presentations to the University community. Prerequisite: BIOL495 or BIOL497.

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BUSN121

Introduction to Business

(3,0) 3

This course is intended to provide students a broad overview of the complex and dynamic contemporary world of business. The course will illustrate how human resources management, marketing, production, and finance are major functions that work together to help owners, employees and customers reach their objectives. Business must operate within economic, social, natural, technological, international, legal, and political environments.

BUSN211

Business Statistics

(3,0) 3

An introduction to business statistics. Topics include collection and presentation of data, measures of central tendency, variation and skewness, probability, probability distributions, Bayes's Theorem, sampling, sampling distributions, estimation, hypothesis testing, simple linear regression and correlation. Prerequisite: MATH111.

BUSN231

Business Communications

(3,0) 3

Business and management communications problems. Direct, indirect, and persuasive letters; memos, short reports and directives. Some assignments must be typed. Extensive writing practice. Prerequisite: ENGL111.

BUSN291

Students in Free Enterprise

(0,3) 1

Students work in teams to develop outreach programs. They learn by means of "real-world" experiences, then teach others how market economies and businesses operate. Corporate CEOs and senior executives judge these programs annually in regional competitions, and the winners of those contests then compete at the international exposition. Outreach program development enhances students' creative and communication skills by preparation of written and oral presentations. May be repeated for credit for a total of four credits.

BUSN299

Internship in [Discipline]

(1-4,0) 1-4

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to achieve the school approved learning

objectives/outcomes established for the internship. Students are expected to spend a minimum of 45 hours (1 credit), 90 hours (2 credits), 135 hours (3 credits), or 180 hours (4 credits) in an appropriate work setting. This course may be repeated once for a maximum of four total credits. Prerequisites: 2.5 GPA, and approval of the Dean.

BUSN308

Managing Cultural Differences

(3,0) 3

Study of differing cultural norms that impact business decisions; designed for students interested in international and cross-cultural activities.

BUSN350

Business Law I

(3,0) 3

This portion of business law covers the law applicable to contracts, sales, personal property and bailments.

BUSN355

Business Law II

(3,0) 3

This portion of business law covers the law applicable to commercial paper, corporations, partnerships, agency and employment.

BUSN399

Internship in [Discipline]

(1-4,0) 1-4

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to achieve the school approved learning objectives/outcomes established for the internship. Students are expected to spend a minimum of 45 hours (1 credit), 90 hours (2 credits), 135 hours (3 credits), or 180 hours (4 credits) in an appropriate work setting. This course may be repeated once for a maximum of four total credits. Prerequisite: 2.5 GPA, junior standing or higher, employee and instructor approval of the Dean.

BUSN403

Business, Government and Society

(3,0) 3

This course examines the relationships of the business firm to government and to society. The course focuses on the economic, legal, political, social and ethical environment of business firms. Topics include consumer protection, environmental regulation, antitrust, constitutional and administrative law, alternative dispute resolution, and other topics of current concern. The business firm is examined in the context of market capitalism and the global economy. The course is structured to meet communication-intensive requirement of general education. Prerequisites: ECON202 and junior standing.

BUSN405

Business Ethics and Social Responsibility

(3,0) 3

Business ethics in organizations requires value-based leadership and purposeful actions that include planning and implementation of standards of appropriate conduct. This course will prepare students to be good corporate citizens through the study of business ethics, social responsibility, ethical decision making, corporate codes of ethical conduct, and how ethical behavior relates to organizational performance. Prerequisites: MGMT360 or MGMT365.

BUSN466

Business Policy

(3,0) 3

This course provides an opportunity for the student to develop an understanding of the interrelationship of the various divisions, departments and functions of a business organization from a top management perspective. Library research and case analysis are utilized. Prerequisites: Senior status and FINC341.

BUSN491

Research Reading in Business and Economics

(2-3,0) 2-3

Independent study and seminar; individual student guidance by faculty for selected research topics in business. Prerequisite: Senior status.

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CHEM091

Basic Chemistry

(2,0) 2

Thorough exposure to elementary chemistry designed to prepare students for college-level chemistry. Emphasis on drill to enhance problem-solving skills. Prerequisite: MATH088 or equivalent. Students must receive a C (2.0) or better in this course to qualify for CHEM104, CHEM108 or CHEM115. Credit in this course does not apply toward graduation.

CHEM108

Applied Chemistry

(3,0) 3

An introduction to selected principles of chemistry with emphasis on technological applications. Credit in this course does not apply toward a major or minor in chemistry. Prerequisites: ENGL091 or equivalent and pre- or corequisite of MATH102.

CHEM109

Applied Chemistry Lab

(0,3) 1

Laboratory experience for CHEM108 Applied Chemistry (must complete both lecture and laboratory to qualify for general education credit). Corequisite: CHEM108.

CHEM110

Applied Organic & Biochemistry

(3,2) 4

A continuation of concepts presented in CHEM108 with an emphasis on the fundamentals of organic and biochemistry. The interrelationships between the metabolic processes of living systems are discussed along with their underlying chemical reactions. Prerequisite: CHEM108 or equivalent, with a grade of C (2.00) or better.

CHEM115

General Chemistry I-Intro to Fundamental Principles of Chemistry

(4,2) 5

Fundamental principles of chemistry with emphasis on scientific method, basic chemical reactions and acid base equilibria, stoichiometry, periodic trends of elements, an introduction to the energy of reactions, atomic structure, simple bonding models, molecular structure, intermolecular forces, and nuclear chemistry will be presented. Pre- or corequisite of MATH111 or higher and ENGL091 or equivalent. One year of high school chemistry is strongly recommended.

CHEM116

General Chemistry II-Intro to Physical Chemistry

(4,3) 5

Continuation of CHEM115 with emphasis on physical chemical concepts such as bonding, gas laws, solids and solutions, kinetics, thermodynamics, and equilibrium, including acid-base reactions and electron transfer processes. Prerequisite: CHEM115 with a grade of C (2.0) or better.

CHEM225

Organic Chemistry I

(3,3) 4

Fundamental principles of organic chemistry, covering the structures, reactions and properties of aliphatic and alicyclic compounds. The course will introduce the study of organic nomenclature, functional group chemistry, stereochemistry, reactive intermediates, organic synthesis, reaction mechanisms and conjugated unsaturated systems. The laboratory introduces basic organic laboratory techniques and includes experiments in organic separations, synthesis, and analysis. Prerequisite: CHEM116 with a grade of C (2.0) or better.

CHEM231

Quantitative Analysis

(3,3) 4

Evaluation of analytical data and study of gravimetric and titrimetric methods of analysis. Prerequisites: CHEM116 with a grade of C (2.0) or better and MATH111 with a grade of C (2.0) or better.

CHEM261

Inorganic Chemistry

(3,3) 4

This course will provide a foundation in Inorganic Chemistry with a focus on understanding the properties of the elements, bonding and geometries of small

molecules and their chemical re-activities. Survey of main group and transition metal chemistry and applications to bio-inorganic chemistry. The laboratory component will provide students with opportunities to observe and measure the changes that accompany inorganic reactions and to make predictions regarding these inorganic reactions. Prerequisite: CHEM116 with a grade of C or better.

CHEM290

Independent Study in Chemistry

(1-4,0) 1-4

Special studies and/or research in chemistry for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of school dean. Prerequisites: Students must have an overall GPA of at least 2.5, and no I grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the College of Natural and Mathematical Sciences office.

CHEM310

Applied Spectroscopy

(3,3) 4

General principles of spectroscopy will be explored including underlying principles and theory, data acquisition and processing coupled with spectral interpretation. Different spectroscopic methods used for the structural determination of organic molecules and in chemical research are described including mass spectrometry (MS), ultraviolet and visible spectroscopy (UV-Vis), infra-red spectroscopy (IR), atomic spectroscopy, fluorescence spectroscopy, and both one-dimensional and two-dimensional ^1H and ^{13}C nuclear magnetic resonance (NMR) spectroscopy. Prerequisite: CHEM231 and CHEM326. (Alternate Years)

CHEM326

Organic Chemistry II

(3,3) 4

The structures, properties, and reactions of aromatic compounds, carbonyl compounds, carboxylic acids and their functional derivatives, phenols, amines, organometallics, carbohydrates, amino acids, and proteins. The course will advance the study of spectral methods of structure determination and expand the study of organic synthesis and mechanisms. The laboratory will include experiments in spectroscopy, organic synthesis and mechanisms, qualitative organic analysis, and instrumental analysis. Prerequisite: CHEM225 with a grade of C (2.00) or better.

CHEM332

Instrumental Analysis

(3,3) 4

Continuation of CHEM231. An instrumental analysis course involving the theory and use of spectrochemical, electroanalytical and separation methods for the characterization and determination of selected chemical substances. Prerequisite: CHEM231. Recommended either PHYS222 or PHYS232.

CHEM341

Environmental Chemistry

(3,3) 4 alternate years

A study of the environmental chemistry of the hydrosphere, atmosphere,

lithosphere, and biosphere, the measurement and remediation of water and air quality problems, the toxicology of water and air pollutants, and the environmental aspects of energy use. Prerequisites: CHEM225, CHEM231. Also listed as EVRN341.

CHEM351

Introductory Biochemistry

(3,3) 4

Introduction to the chemistry of biological molecules, including the general properties and chemical transformation of amino acids, proteins, carbohydrates, lipids, vitamins, and nucleic acids. Emphasis will be on correlating chemical reactions with biological function. An introduction to the intermediary metabolism of the carbohydrates, amino acids, lipids and nucleic acids will also be presented. Prerequisite: CHEM225.

CHEM353

Introductory Toxicology

(3,0) 3 alternate years

An introduction to toxicology, including its history, types of poisons, their mode of operation and the biochemistry of detoxification. Environmental problems caused by toxic contaminants will be discussed. Prerequisite: CHEM351

CHEM361

Physical Chemistry I

(4,0) 4 alternate years

Chemical thermodynamics with applications to both phase and chemical equilibria. Prerequisites: CHEM116, one year of physics, and either MATH112 or MATH152. Corequisite: CHEM363.

CHEM362

Physical Chemistry II

(3,0) 3 alternate years

Traditional quantum chemistry topics will be discussed that help explain chemical phenomena and provide descriptions and applications for spectroscopy. Prerequisite: CHEM361.

CHEM363

Physical Chemistry Laboratory: Kinetics and Reaction Dynamics

(0,3) 1

An advanced laboratory exploring reaction kinetics and dynamics with an emphasis on modern methods of physical chemistry measurement. Prerequisite: CHEM116 and one semester of calculus.

CHEM395

Junior Seminar

(1,0) 1

Literature searching, scientific writing, and oral presentation of scientific data. Students will be expected to listen to presentation of peers enrolled in CHEM/EVRN499 and develop a topic for their senior thesis. Prerequisite: Junior standing. Note: Also listed as EVRN395.

CHEM399

Internship in Chemistry

1-4 1-4

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. Work hours and activities must be documented daily and approved by both the on-site supervisor and the instructor to receive credit. The course may be repeated for a maximum of four credits. Prerequisite: 2.5 GPA in major, Junior standing and permission of chair at least one semester in advance of registering for the course.

CHEM445

Forensic Science

(3,3) 4

This is a capstone class for the forensic chemistry degree. It will focus on standard and non-standard methods in forensic science. Lecture and laboratory concentrate on quantitative and qualitative drug analyses, fingerprint visualization techniques, ballistics, DNA analyses, and chemical analyses of evidence. Gas chromatography, atomic absorption spectrometry, and infrared spectroscopy techniques will be used to differentiate evidence. In this course much time will be spent on mechanisms of the analyses facilitating critical thinking skills. Prerequisites: CHEM332 and CJUS444. Note: Also listed as CJUS445.

CHEM450

Laboratory Apprenticeship

(0,3) per credit 1-2

Students will assist in laboratories, learning instructional techniques, under direction of faculty. Course may be repeated for a maximum of two credits. Students must gain approval of the faculty member in charge of the specific laboratory, and the college dean. Credits may be used as CHEM electives.

CHEM452

Advanced Biochemical and Molecular Techniques

(2,4) 4 alternate years

A course covering advanced laboratory techniques for manipulating and analyzing bio-polymers such as proteins and nucleic acids. A brief discussion of bioinformatics will be presented. Protein expression vectors, PCR, and modern molecular techniques will be explored with potential applications for chemistry, biology, toxicology, forensic, and clinical lab science. Prerequisite: CHEM351.

CHEM461

Advanced Inorganic Chemistry

(3,0) 3 alternate years

This is an every-other-year course. This course will meet for three hours per week. Advanced concepts of inorganic chemistry will be examined, including atomic structure, ionic and covalent substances, acids and bases, main group elements, and transition metal elements. Prerequisite: CHEM261.

CHEM462

Advanced Inorganic Chemistry Laboratory

(0,3) 1 alternate years

This is an every-other-year course. This laboratory will meet for three hours per week. Advanced concepts of inorganic chemistry will be examined in a laboratory setting. Pre- or corequisites: CHEM461 and either CHEM310 or CHEM332.

CHEM490

Independent Study in Chemistry

(1-4,0) 1-4

Special studies and/or research in chemistry for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of department chair. Prerequisites: Students must have an overall GPA of at least 2.5, and no "I" grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the College of Natural and Mathematical Sciences office.

CHEM495

Senior Project

(0,6) 2

This is a practicum course in which students, under the guidance of a faculty mentor, conduct a scholarly project mutually agreed upon by the student and his/her faculty mentor. This course will be required for a degree certified by the American Chemical Society. This course may not be repeated for credit. Prerequisites: CHEM395 (also listed as EVRN395) and permission of instructor. Dual listed as EVRN495.

CHEM499

Senior Seminar

(1,0) 1

Required for seniors majoring in chemistry/environmental science. Students will present the results of their scholarly research. Students who have completed CHEM/EVRN495 will be required to give poster and oral presentations to the University community as part of this class. Pre- or corequisite: CHEM395 (also listed as EVRN395). Dual listed as EVRN499.

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CHIN151

First-Year Chinese I

(4,0) 4

An introductory course designed to develop the four basic language skills in listening, speaking, reading, and writing in the target language as well as the acquisition of basic Chinese grammar and vocabulary. A communicative approach based on real-life situations. Relevant Chinese cultural aspects discussed. English used as necessary in classroom instruction.

CHIN152

First-Year Chinese II

(4,0) 4

Further development of basic language skills in listening, speaking, reading and writing with a strong emphasis on speaking reading fluency. Relevant cultural aspects briefly discussed and the target language used progressively in instruction when it fits. Prerequisite: CHIN151 or equivalent.

CHIN251

Second-year Chinese I

(4,0) 4

An intermediate-level course aiming at expanding the learner's ability to communicate in everyday life situations in the target language. Continued focus on language proficiency in listening, speaking, reading, and writing as well as further development of vocabulary knowledge and consolidation of grammatical knowledge. Social and cultural norms and conventions discussed when appropriate. Communicative approach used in instruction. Prerequisite: CHIN151, CHIN152 or equivalent.

CHIN252

Second-year Chinese II

(4,0) 4

An intermediate-level course aiming at expanding the learner's ability to communicate in everyday life situations in the target language. Continued focus on language proficiency in listening, speaking, reading, and writing as well as further development of vocabulary knowledge and consolidation of grammatical knowledge. Social and cultural norms and conventions discussed when appropriate. Communicative approach used in instruction. Prerequisite: CHIN251 or equivalent.

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CHLD101

Introduction to Early Childhood Education

(4,0) 4

This course provides an introduction to the field of early childhood. Topics include typical and atypical developmental milestones in the social, emotional, physical, intellectual and moral development of children from birth to age 8. In addition, the history of early childhood education, types of programs and issues in the field of childcare will be addressed. Field experience is required.

CHLD103

Learning Environments for the Young Child

(4,0) 4

This course explores the contributions of child development theorists, and the multiple integrated influences of family and community, to the design and implementation of early childhood learning environments. The use of space, materials, and routines in providing inclusive, safe environments is considered, as well as philosophical approaches to supporting young learners. Field experience is required. Prerequisite: CHLD101.

CHLD150

Observation and Assessment

(4,0) 4

This course provides experience with the practices and tools for observation, documentation, and assessment of young children from birth through age eight. Discussion will include the use of results of assessment for planning continued developmental and learning experiences, as well as for appropriate classroom management and guidance strategies. Field experience is required.

CHLD210

Infants and Toddlers

(4,0) 4

This course examines the design and evaluation of developmentally appropriate teaching, caregiving, and guidance practices for children from birth to 36 months. Addresses environments that provide challenging and developmentally appropriate expectations to stimulate development toward the long-term goals of autonomy, and cognitive and social-emotional growth of infants and toddlers. Field experience is required. Prerequisite: CHLD150.

CHLD225

Emergent Literacy

(3,0) 3

This course focuses on literacy acquisition theory and language development milestones for children from birth through age 8. Factors that affect reading acquisition and techniques that assist children in developing listening, speaking, reading and writing skills are also explored. Consideration of the unique needs of English Language Learners is included. Prerequisite: CHLD210.

CHLD241

STEM Foundations for the Young Child

(4,0) 4

This course explores basic concepts and skills in science, mathematics, engineering, and technology appropriate to early childhood education. Field experience is required. Prerequisites: MATH110 or higher; BIOL105.

CHLD242

Creativity & Humanities

(4,0) 4

This course examines literature, visual and performing arts, and social studies topics appropriate to early childhood education. Field experience is required. Prerequisites: ENGL111, SOCY103.

CHLD245

Early Childhood Curriculum

(3,0) 3

This course focuses on the design of developmentally appropriate practices and curriculum for young children. Emphasis is placed on planning learning activities that support positive developmental outcomes, as well as on differentiating instructional strategies for the individual child. Field experience is required. Prerequisite: CHLD150.

CHLD260

Practicum I

4

The student will complete at least 140 hours in an early childhood setting culminating in experience as a lead teacher. Seminar meetings are included. Grading will be CR/NC. Prerequisites: CHLD150 and permission of instructor.

CHLD270

Administration of Early Childhood Programs

(2,0) 2

This course focuses on the financial, legal, supervisory and administrative procedures used in operating early childhood programs, including applicable local, state, and national standards. Prerequisite: CHLD150.

CHLD310

Inclusion of Young Children with Special Needs in Early Childhood Settings

(3,0) 3

This course provides resources and models for designing and implementing quality inclusive learning environments for young children who demonstrate developmental diversity birth to age 5. Includes identification of common delays, impairments and disabilities, as well as assistive technologies appropriate for supporting continued development. Field experience is required. Prerequisite: CHLD210.

CHLD330

Philosophical Foundations of Early Childhood Education

(2,0) 2

This course expands on basic knowledge of early childhood education practices to examine and evaluate contemporary early childhood program models and philosophical foundations. Prerequisite: CHLD260

CHLD350

Early Childhood Facilities Management

(2,0) 2

This course develops an advanced level of knowledge and skills necessary for effective management of child development centers, preschools, and other facilities. Effective leadership styles are considered. Prerequisite: CHLD270.

CHLD410

Practicum II

4

Students complete at least 140 hours in an early childhood setting, with primary emphasis on curriculum and administrative responsibilities. Seminar meetings are included. Grading will be CR/NC. Prerequisites: CHLD350 and Permission of Instructor.

CHLD440

Family and Community Partnerships

(3,0) 3

This course explores the multiple integrated influences that impact the development

of young children, and provides opportunities for students to develop collaborative and cooperative skills that are essential to building partnerships focused on supporting that development. The various roles of the early childhood educator as an advocate for individual children and for the community is addressed. Field experience is required. Prerequisite: CHLD310.

CHLD480

Directed Teaching: Seminar

(1,0) 1

This seminar provides a forum for students in the CHLD Directed Teaching experience to discuss issues in early childhood education, classroom management, teaching of all students and professional development. Co-requisite: CHLD492.

CHLD492

Directed Teaching: Early Childhood

5

This course is a full-time teaching practicum under the direction and mentoring of a cooperating teacher at the pre-primary level. Evolution from observation and facilitation of small group activities, to whole-class instruction of a full-teaching load in an area center. Emphasis is placed on full range of responsibilities, including family involvement and administrative responsibilities. Grading will be CR/NC. Prerequisite: Admission to student teaching internship. Corequisite: CHLD480.

CHLD495

Senior Project in Early Childhood Education

(4,0) 4

Individual research study of a relevant topic of current trends and issues in early childhood. Topic will be defined jointly by student and instructor. Requires field research and oral presentation. Prerequisite: Senior Status and Instructor's approval.

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CJUS101

Introduction to Criminal Justice

(3,0) 3

A survey of the evolution of criminal justice with particular emphasis on the development of western models of justice. Included will be the role of law enforcement, corrections, the courts and loss control.

CJUS102

Police Process

(3,0) 3

Basic principles and techniques of administration which apply to criminal justice organizations. Emphasis on decision making, authority, human relations and communication within organizations.

CJUS103

Introduction to Terrorism and Homeland Security

(3,0) 3

This course will provide learners with historical view of terrorism, its origins, methodology, and ideology. It will also provide the learner with knowledge of specific events of the 20th century related to terrorism that have formed modern terrorism. Finally it will discuss the worldwide effort on deterring and discovering terrorist activities.

CJUS110

Introduction to Corrections

(3,0) 3

History and philosophy of correctional policy and need for correctional reform; correctional system from arrest through sentencing; correctional personnel and clients.

CJUS130

Client Relations in Corrections

(3,0) 3

Meaning and functions of culture and discrimination, minorities in Michigan, affirmative action and attitude formation; ethics, values and professional responsiveness.

CJUS140

Correctional Client Growth and Development

(3,0) 3

Emphasis on needs, identities and development of recipients of correctional services; to assist students in gaining insights into development of sensitivity to behavior and motivations of corrections clients. Specific problems of prisoners and intervention strategies are reviewed.

CJUS197

Physical Fitness for Public Safety

(0,3) 1

This course provides physical fitness and skills necessary for the law enforcement and fire science certification students. Law enforcement students (MCOLES) take course both semesters of their senior year.

CJUS201

Firearms Training

(0,2) 1

Emphasis on safe weapon handling, the fundamentals of good marksmanship, proper methods of cleaning and weapon nomenclature. A variety of weapons will be used. Students will have to provide their own targets and ammunition. Prerequisite: Criminal justice student, sophomore standing or permission of department chair.

CJUS203

Cyberterrorism

(3,0) 3

This course will examine the problem of both domestic and global

Cyberterrorism/Cybercrimes. The recognition of various types of crimes committed using computers, the Internet, and other Electronic Devices. Learners will learn investigative techniques and legal issues as related to the investigation of Cybercrimes.

CJUS204

Domestic and International Terrorism

(3,0) 3

This course will examine the history and modern trends of Domestic, International and Transnational Terrorism. This will include the profile of terrorist recruits, the structure and dynamics of terrorist organizations, and government sponsored terrorism. The motivation of various organizations and their methods of terrorist violence, as well as, their justification of violent acts will be discussed. Antiterrorism and Counterterrorism measures will be analyzed.

CJUS206

Law Enforcement/Loss Control Internship

(3,0) 3

Field experience for correlation of theoretical knowledge with practice in participating law enforcement or loss control agencies. Prerequisite: Permission of the instructor or sophomore standing. Course may be elected twice for credit of six hours.

CJUS212

Loss Control

(3,0) 3

Study of security, including historical, legal and philosophical framework for various phases of security operations in our society today.

CJUS220

Institutional Corrections

(3,0) 3

A survey of the history and philosophy of correctional institutions focusing on: The use of imprisonment as a mechanism of social control, custody versus treatment, rights of prisoners, prison and jail management, institutional training programs, examination of contemporary correctional institutions, prison and jail architecture, and prisoner society.

CJUS240

Community-Based Corrections

(3,0) 3

A survey of the history, development, techniques and fundamentals of non-institutional correctional programs and services. Emphasis will be placed on the necessity of correctional programs to interact with other human service agencies within the community.

CJUS243

Investigation

(3,0) 3

Introduction to investigation and the techniques of forensic science with emphasis upon gathering and documenting information for determination of fact. Prerequisite: CJUS101.

CJUS250

Correctional Law

(3,0) 3

Survey of substantive and procedural correctional law including sentencing, probation, parole, imprisonment, fines and restitution, and prisoners rights. Case law method used, based on appellate court decisions which evolve from criminal defendant litigation and complex legal issues concerning American corrections.

CJUS303

Critical Infrastructure Protection

(3,0) 3

This course will examine the historical development of the United States modern infrastructures. The course will provide an in depth knowledge of the Critical Infrastructures and the current protection methods. The learner will then learn advanced protection techniques and vulnerability analysis skills utilized to protect the assets.

CJUS306

Security Systems

(3,0) 3

Overview of specialized areas of security in specific facilities with special attention given to management of security information. Prerequisite: CJUS212.

CJUS313

Crisis Intervention and Deviant Behavior

(3,0) 3

Survey of philosophy, theory and practice involved in the treatment of different crisis situations most commonly confronting the law enforcement officer in the performance of regular duties. Prerequisites: CJUS101 and CJUS102.

CJUS319

Substantive Criminal Law

(3,0) 3

Survey of substantive criminal law as a means of attaining socially desirable ends including protection of life and property. Deals with historical, philosophical concepts as well as case law. Prerequisite: CJUS101.

CJUS321

Ethical Issues in Public Safety

(3,0) 3

Consideration of selected issues in public safety organizations. Emphasis on the role of practitioners and relations with the various publics. Students will be given moral dilemmas and will consider their individual value system. Prerequisites: CJUS101 and CJUS102.

CJUS325

Homeland Security and Emergency Services

(3,0) 3

This course will prepare all graduates from a variety of majors to understand how homeland security impacts the US political system as a whole, but especially from the standpoint of emergency response and preparedness. Investigates the impact of the federal homeland security apparatus on emergency response organizations at the state and local level. Includes a historical review of "homeland security" measures beginning in WWI and through WWII and the Korean War. Especially reviews the security situation during the Cold War. The course deals with the federal agencies usually not associated with homeland security, such as DEA, ATF, the military departments, FAA, CDC, the National Guard Bureau, and the DOD. Prerequisite: Junior standing. Students from other majors are encouraged to enroll with permission from instructor. Also listed as FIRE325.

CJUS330

Correctional Casework

(3,0) 3

The history, standards and principles of correctional casework are presented; the roles, functions and goals of casework are discussed; the competencies and training required for effective casework are considered; and correctional clients - probation and parole selection and appraisal - are concentrated upon. Prerequisites: CJUS220, CJUS240, and junior or senior standing.

CJUS341

Fire Cause and Arson Investigation

(3,0) 3

Determination of fire cause and origin and explosion causes. Prevention, documentation and legal aspects examined. Prerequisite: Junior standing.

CJUS345

Statistics and Design for Public Safety

(3,2) 4

Introduction to research methodology and designs utilized in public safety. Includes sampling, descriptive statistics, inferential statistics, sources of error in presenting findings, and preparing and reading research reports. Prerequisite: Junior standing in criminal justice or fire science and MATH088 or equivalent/satisfactory score on ACT or Placement exam.

CJUS355

Juvenile Justice

(3,0) 3

Criminological theories of the causes of juvenile delinquency and prevention strategies. The functions of the juvenile justice system including: Police, courts, detention and legal rights. The Canadian Young Offenders Act will also be studied. Prerequisites: CJUS101 and SOCY214.

CJUS384

International and Comparative Criminal Justice Systems

(3,0) 3

A survey of selected world criminal justice systems including police, courts, and corrections. Cross-national and cross-cultural criminality from several perspectives will be examined as will the globalization of crime.

CJUS401
Senior Seminar
(3,0) 3

Seminar and independent study course with individual student guidance by faculty on selected research topics in criminal justice. Prerequisite: Senior standing.

CJUS402
Criminal Justice Internship
3-9

Criminal justice internship with an agency. Credit is based on 34 hours of field work per credit hour. Students must make application by the ninth week of the previous semester. Prerequisite: Senior standing and permission of instructor.

CJUS409
Procedural Criminal Law
(3,0) 3

Principles, duties and mechanics of criminal procedures as applied to important areas of arrest, search and seizure. Prerequisite: CJUS319.

CJUS411
Police Operations
(5,0) 5

A capstone course for Michigan Commission on Law Enforcement Standards (MCOLES) Criminal Justice certification students. Court functions, domestic violence law and procedures, ethical issues, civil disputes, interpersonal relations, juvenile offenders and other related topics. Prerequisite: Senior Criminal Justice MCOLES student.

CJUS425
Women and Criminal Justice
(3,0) 3 alternate years

An examination of theories of female criminality and the treatment of women in criminal justice. Various issues relating to women as professionals in criminal justice will be covered. The unique issues which arise when females are incarcerated will also be examined. Prerequisites: CJUS101, and junior or senior standing.

CJUS444
Criminalistics
(3,3) 4

Criminalistics methodology and practice including crime scene techniques for specific offenses, collection and preservation of evidence, narcotics and dangerous drugs, fingerprinting, presentations, and other related topics. Contains MCOLES mandated hours. Prerequisite: CJUS243.

CJUS445

Forensic Science

(3,3) 4

This is a capstone class for the forensic chemistry degree. It will focus on standard and non-standard methods in forensic science. Lecture and laboratory concentrate on quantitative and qualitative drug analyses, fingerprint visualization techniques, ballistics, DNA analyses, and chemical analyses of evidence. Gas chromatography, atomic absorption spectrometry, and infrared spectroscopy techniques will be used to differentiate evidence. In this course much time will be spent on mechanisms of the analyses facilitating critical thinking skills. Prerequisites: CHEM332 and CJUS444. Also listed as CHEM445.

CJUS484

Futures Research: Long-Range Planning for Criminal Justice

(3,0) 3 alternate years

This course will explore probable and possible futures and the impact on crime, criminality and the criminal justice system. It will explore alternative methods and systems to deal with projected change. Prerequisites: CJUS101 and CJUS102.

CJUS490

Independent Study for Criminal Justice

(1-4) 1-4

This may take the form of either a research project or a directed reading on a specific subject. One to four credits over a period of one or more semesters may be granted according to the nature of the student's project. May be repeated up to six credits. Prerequisite: Permission of instructor.

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COMM101

Fundamentals of Speech Communication

(3,0) 3

A study of communication theory as it relates to the oral sender and receiver in interpersonal, dyadic, small group, and public speaking situations. Application will be in perceptual analysis, dyadic encounters, small group problem-solving and discussion, and public speaking situations.

COMM201

Small Group Communication

(3,0) 3

Analysis of verbal communication in small groups as related to information processing, problem solving, agenda establishment, decision making and policy formation. Prerequisite: COMM101.

COMM210

Business and Professional Speaking

(3,0) 3

An introduction to basic skills, principles and contexts of communication in business and professional settings. Application will be in presentational, team-building and

interviewing skills. Prerequisite: COMM101.

COMM211

Advanced Public Speaking

(3,0) 3

A grounding in upper-level public address with an emphasis on both informative and persuasive strategies. It will be taught using a combination of lecture, discussion, video analysis and critiques, and speeches. Prerequisite: COMM101.

COMM225

Interpersonal Communication

(3,0) 3

An introduction to interpersonal communication theory, with a focus on improved understanding of relationships and an improved ability to communicate more effectively with a variety of people. Prerequisite: COMM101.

COMM280

Understanding the Mass Media

(3,0) 3

Acquaints students with the basic similarities and differences in newswriting among the mass media, particularly newspapers, radio and television. Students will practice writing in the various formats. Prerequisite: ENGL110.

COMM302

Argumentation and Advocacy

(3,0) 3

Provides a practical grounding in the methods of public debate. Students are familiarized with theoretical frameworks for testing propositions through direct clash of evidence and arguments. The emphasis is on practical experience gained through experiences in oral argument. Prerequisite: COMM101.

COMM307

Classical/Contemporary Rhetoric

(3,0) 3

A study of the development of rhetoric beginning with the Greeks and continuing to the present. An emphasis will be placed on the influences of past rhetoric to current theory. Prerequisite: COMM101.

COMM308

Communication Theory

(3,0) 3

A study of the sources, dimensions and applications of contemporary communication theory, including the impact of mass communication in modern society. Prerequisite: COMM101.

COMM320

Public Relations

(4,0) 4

Public relations theory and practice will form the two emphases of the course. Theory will be explored and discussed as foundation for the application of public relations concepts and strategies. Students will be responsible for working with organizations in order to develop realistic PR campaigns which reflect the awareness of the significant structures and responsibilities involved in a professional approach to public relations. Prerequisite: COMM101.

COMM325

Organizational Communication

(3,0) 3

Focus on oral communication as it impacts on and permits coordination among people and thus allows for organized behavior. Focus on business and organizational contexts for interpersonal transactions. Participant involvement in simulation designed to generate insights into the elements involved in coordinated and competitive organizational communication. Selected topics for theory and practice: Interpersonal transactions, communication rules, conflict management, negotiations, trust, power and influence. Prerequisite: COMM101.

COMM399

Internship in Communication

(1-4) 1-4

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. The course may be repeated for a maximum of four credits. Prerequisite: 2.5 GPA in major, junior standing and permission of department head at least one semester in advance of registering for the course.

COMM416

Communication in Leadership

(3,0) 3

An advanced application of theory from the speech communication field to issues in organizational leadership. Leadership theory is surveyed from the speech communication perspective, with an eye toward building applicable skills. Particular emphasis is laid upon cultivating the ability to continue the process following the conclusion of the course. Prerequisite: COMM101.

COMM490

Senior Directed Study in Communication

3-4 3-4

This course is designed to allow communication majors the opportunity to develop and implement a project/paper using the skills and knowledge from their previous course work. Projects/papers should relate to a student's individual areas of interest within the communication discipline, and represent a synthesis of their previous learning under the supervision of an appropriate faculty member. Prerequisites: senior status and approval of the appropriate chair(s).

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CSCI 101

Introduction to Microcomputer Applications

(2,2) 3

The study of a selection of contemporary microcomputer applications, including operating systems concepts, word processing, spreadsheets, database management systems, and the Internet and World Wide Web. Brief survey of other applications, such as presentation graphics, multimedia usage and desktop publishing. Does not apply toward credit in computer science major or minor.

CSCI 103

Survey of Computer Science

(2,2) 3

An introduction to the field of computer science for computer science majors. Microcomputer applications, history of computing, computer networks and the Internet, programming, hardware, theory of computation, artificial intelligence.

CSCI 105

Introduction to Computer Programming

(2,2) 3

An introductory course in computer programming in a graphical development environment, intended for students with no prior computer programming experience. Arithmetic, control structures and simple data structures. Sound, graphics and animation techniques. Prerequisite: MATH088 or equivalent/satisfactory score on SAT, ACT or Placement Exam.

CSCI 106

Web Page Design and Development

(2,2) 3

Topics include planning a web site starting with domain name registration and selection of hosting service providers, creating web page using HTML/XHTML and cascading styles sheets; validating web pages; using web authoring tools such as Dreamweaver; publishing web pages to a remote web server, introductory web site design, including best practices for inserting graphics, page layout, building the web site navigation and user interface, integration of third-party and Web 2.0 tools and software, implementing web and accessibility standards, ethical and legal issues such as copyright and trademarks.

CSCI 107

Web Graphic Design and Development

(2,2) 3

Apply graphic design, typography, color theory, and image composition to enhance a web site. Create web graphics using Adobe Photoshop and Microsoft Expression Design. Insert graphics into web pages and publish web sites using Adobe Dreamweaver and Microsoft Expression Web.

CSCI 121

Principles of Programming

(4,0) 4

A broad-based introduction to computer programming, using the C++ programming language and basic operating system features as vehicles. Basic programming principles, including built-in and programmer-defined data, operators, functions and

control structures. Introduction to classes and dynamic memory allocation. Text manipulation and parsing, binary files, and exception handling. C-style input and output. Applications will be drawn from across the discipline of computer science. Prerequisite: CSCI105 and MATH102 (or equivalent math placement) with a grade of C or better in both classes.

CSCI 163

Troubleshooting and Repair of Personal Computers

(2,2) 3

A basic introduction to the architecture, installation, maintenance, troubleshooting and repair of personal computers. The student will learn elementary principles of electronics, magnetism and interference as they relate to computer repair and operation. The disassembly and upgrading of a personal computer will be covered in the laboratory as well as the use of diagnostic hardware and software.

CSCI 201

Data Structures and Algorithms

(4,0) 4

An introductory course in data structures and algorithms, with an emphasis on abstraction, implementation and analysis. Advanced class concepts, including operator overloading, Linked lists, stacks, queues, trees and binary trees. Separate compilation and third-party libraries. Application of various data structures to problems selected from the spectrum of computer science topics. Prerequisites: CSCI121 with a grade of C or better and MATH111 (or equivalent math placement) with a grade of C or better.

CSCI 207

Developing Multimedia and Rich Interactive Web Sites

(2,2) 3

Transform static web pages into rich media-based interactive web applications. Apply graphic design and marketing principles to design and produce audio and video components for both consumers and commercial web applications. Using Adobe Flash and Microsoft Silverlight, build rich interactive web applications. Publish web sites to a web server. Prerequisite: CSCI107 with a grade of C or better.

CSCI 211

Database Applications

(3,0) 3

An introductory course in database design and implementation, using microcomputer-based relational database software. Single and multi-table databases, forms and reports, query processing, data import and export, and database-related programming. Prerequisite: CSCI105 with a grade of C or better.

CSCI 221

Computer Networks

(2,2) 3

An introduction to the basic principles of computer networks and communication, exploring both the hardware necessary to support computer networks and the software needed to utilize those networks. Basic network topologies, network protocols, and local and wide-area networks. Prerequisites: CSCI103 and 105 with a grade of C or better.

CSCI248

Network Operating Systems I

(2,2) 3

An introduction to using and administering network operating systems. Students will also be introduced to virtualization of machines, as well as interaction between virtualized machines. Topics include: account setup, basic security, file and device sharing, and maintenance. Course topics will be presented in the context of different network operating systems. Prerequisite: CSCI221 with a grade of C or better.

CSCI263

Managing Computer Security

(3,0) 3

This course investigates the various security protection and recovery techniques available for networks and personal computers including security policies, procedures, and requirements necessary for protecting the integrity of information stored on networks, workstations, and other computer systems. Other topics include discussions on disaster recovery planning, emergency response teams, threat assessment, detection and remediation of a threat, standards for establishing a security framework, and operations security and production controls. Prerequisite: CSCI101 or CSCI103 with grade of C or better.

CSCI275

Web Server Administration

(2,2) 3

Install and configure a web server; identify the web server administrator role; monitor web server performance and log files; configure file transfer and email services; secure the server. Plan and configure an e-commerce web site. Prerequisites: CSCI221 and CSCI248, both with a C or better.

CSCI281

Introduction to UNIX and Networking

(2,2) 3

An introduction to the UNIX operating system, shell scripting, and UNIX networking from the users perspective. Topics include basic and intermediate UNIX commands and file structure, regular expressions, BASH/CSH shell scripting, basic UNIX network setup, introduction to UNIX system daemons and networking services. Prerequisite: CSCI221 with a grade of C or Better.

CSCI290

Independent Study in Computer Science

(1-4,0) 1-4

Special studies and/or research in computer science for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the department head. This course may be repeated for a maximum of eight credits. Prerequisites: Sophomore standing or higher.

CSCI291

Computer Science Project

(4,0) 4

This is a hands-on course where the student is assigned a project at a corporate site. The student is expected to spend at least 8 - 10 hours a week on the project. Topics for the project may include creating a substantial Web site, designing and implementing an application system for a user, modifying and updating an existing software system, or other related projects. The projects will vary each semester. Prerequisites: CSCI201 with a grade of C or better.

CSCI 292

Computer Networking Project

(4,0) 4

This is a hands-on course where the student is assigned a project in a corporate network setting. The projects will vary each semester to allow students to implement their knowledge to create and maintain a real-world network system. Activities could include the wiring of the network, installing and maintaining users, installing and repairing workstations, maintaining a Novell or Microsoft network, monitoring an NDS tree, and other similar activities. The student is expected to spend at least 8-10 hours per week on the project including hours on site, doing research, and writing weekly report logs. Prerequisite: CSCI106 and 107, both with a grade of C or better, or CSCI163 and CSCI221, both with a grade of C or better.

CSCI 321

Computer Graphics

(3,0) 3 alternate years

An introduction to the generation of graphical images by computer. Survey of common graphics devices. Generation of lines and curves. Representation of two-dimensional objects. Techniques for area filling. Scaling, rotation and translation in two dimensions. Rendering three-dimensional objects by projections. Scaling, rotating and translating in three dimensions. Hidden line and hidden surface detection and removal. Prerequisites: CSCI201, and either MATH112 or 151, all with a minimum grade of C.

CSCI 323

Routers and Switches

(2,2) 3

Principles of Wide Area Networks, IP and TCP, routers, routing protocols and configurations, virtual LANs, network management, subnetting, design of LANs and WANs, and security issues. Students completing this course will be prepared to take the CCENT and CCNA certification exams. Prerequisite: CSCI221 with a grade of C or better.

CSCI 325

Developing Web Applications with JavaScript and PHP

(2,2) 3

Transform static web sites into dynamic web sites using a combination of client and server-side web programs. Process and validate forms, build interactive web sites, manage web databases and publish web sites to a web server. Prerequisites: CSCI121, CSCI211 with a grade of C or better.

CSCI 326

Developing Web Applications with ASP.NET

(2,2) 3

Create and publish web server and web database applications using the Microsoft ASP.net framework; Emphasis on improving performance, security, and isolating business logic from the user interface. Prerequisites: CSCI121, CSCI211 with a grade of C or better.

CSCI 341

Discrete Structures for Computer Science

(4,0) 4 alternate years

Formal logic and proof techniques; recursion, recurrence relations and combinational methods; analysis of algorithms; algebraic structures; trees and graphs; Boolean algebra and computer logic; models of computation and formal languages. Emphasis will be on applications to computer science. Prerequisites: CSCI121 with a grade of C or better, and either MATH112 or 151 with a grade of C or better.

CSCI 342

Advanced Programming Techniques

(4,0) 4 alternate years

Advanced data structures including general trees and graphs. Advanced programming techniques, including: divide and conquer, dynamic programming, greedy algorithms, graph algorithms, balanced trees. Emphasis will also be placed on the software development process, debugging and testing methodologies. Prerequisites: CSCI201 with a grade of C or better.

CSCI 348

Network Operating Systems II

(2,2) 3

A continuation of using and administering network operating systems. Students will also be introduced to virtualization of servers, as well as interaction between virtualized machines. Topics include: file system and network service management, remote access, security, printing, and disaster recovery. Course topics will be presented in the context of different network operating systems. Prerequisite: CSCI248 with a grade of C or better.

CSCI 351

Mobile Application Development

(3,0) 3

Introduction to the development of applications for smart phones and tablets; using a simulator and provisioning to mobile devices; user interfaces, touch events, data management, and graphics; interaction with camera, accelerometer, and location hardware. Prerequisite: CSCI121 with a grade of C or better.

CSCI 371

Multi-Platform Application Development

(3,0) 3

The design and implementation of applications across multiple platforms, with a goal of a similar or identical code base between versions. The course covers a variety of programming environments, as well as a variety of platforms. Focus will be on comparison between programming languages, as well as the strengths and weaknesses of various programming environments and models for a uni-platform vs a multi-platform approach. Prerequisite: CSCI121 and either CSCI281 or CSCI201

all with a grade of C or better.

CSCI 411

Advanced Database and Project Management

(3,0) 3 alternate years

Designing and implementing an enterprise-level database. Creating interfaces to database systems from common programming language platforms. Capturing requirements, process modeling, project scheduling, documenting, testing, delivering and maintain a system. Prerequisites: CSCI201 and CSCI211, each with a minimum grade of C.

CSCI 412

UNIX Network Administration

(2,2) 3

Network administration how to and issues for Linux. Installation of a Linux networked system, maintenance and upgrade of a Linux installation, security issues, common scripting languages, system admin tasks, NFS, and mail systems; other UNIXes. Prerequisites: CSCI221 and 281, both with a grade of C or better.

CSCI 415

Computer Organization and Architecture

(3,0) 3

A hardware-orientated introduction to the structure of modern computer systems, emphasizing the role of, and interrelationships between, the various components. The evolution of modern computer systems. Memory organization, peripheral devices and their connectivity. Instruction sets, arithmetic and central processing unit structure. Control unit organization and operation. Alternative computer architectures. Parallel computing for both SMP and MIMD models. Prerequisite: CSCI201 and either CSCI351 or CSCI371 with a grade of C or better.

CSCI 418

Senior Project I

(1,4) 3

This course is the first part of the two-part sequence CSCI418/CSCI419. The student will begin a two-semester capstone experience that will include one of the following: a software project; a network implementation; a co-operative education position with an external company; or a research project. The experience must include the fulfillment of customer-generated requirements. The projects/experiences will vary each year to allow students to experience work in a real-world environment. Students in CSCI418 must take CSCI419 the following semester. Prerequisite: CSCI291 or CSCI292 with a C or better and permission of instructor.

CSCI 419

Senior Project II

(1,4) 3

The second of a two-part sequence, CSCI419 provides students with the skills necessary for completion of their two-semester capstone experience that will include one of the following: a software project; a network implementation; a cooperative education opportunity with an external company; or a research project. The experience must include the fulfillment of customer-generated requirements.

The projects/experiences will vary each year to allow students to experience work in a real-world environment. Students in CSCI418 must take CSCI419 the following semester. Prerequisite CSCI418 with a C or better and permission of the instructor.

CSCI422

Network and Computer Security

(2,2) 3

An advanced look at common computer and network exploitation techniques in use today. Course emphasis is on how exploits work (both from the exploiters perspective as well as the software faults that allow these exploits to exist), what can be done with the exploits, as well as mitigation and solution techniques for containing the damage to administered systems. Prerequisites: CSCI412 and either CSCI351 or CSCI371.

CSCI434

Operating Systems Concepts

(3,0) 3 alternate years

Definition and historical development of operating systems. Characteristics of batch, interactive and multiprogramming systems. File systems, processor and memory management. Communication, concurrency, deadlock, protection, parallel and distributed systems. Case studies of modern operating systems. Prerequisite: CSCI201 with a minimum grade of C.

CSCI490

Individualized Research Topics in Computer Science

(1-4,0) 1-4

Special studies and/or research in computer science for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the department head. This course may be repeated for a maximum of nine credits. Prerequisites: Junior standing or higher.

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DANC101

Ballet I

(0,4) 2

Students explore ballet technique, vocabulary, and history. Emphasis is on placement/alignment, length of line, weight shift, and a developing sense of musicality. This course may be repeated twice for a maximum of 6 credits. No prerequisite.

DANC120

Jazz Dance I

(0,4) 2

Students explore core concepts in jazz dance, its roots/history, and its fundamental techniques. No prerequisite. This course may be repeated once for a maximum of 4 credits

DANC125

Modern Dance I

(0,4) 2

Through embodied and academic inquiry, students will explore principles and practices in American modern dance training. Concepts focus on safe/efficient dancing, individual creative voice, and basic rhythmic patterns, among others. No prerequisite. This course may be repeated twice for a maximum of 6 credits.

DANC201

Ballet II

(0,4) 2

Continuing their study of classical ballet, students will deepen their examination of ballet vocabulary and pedagogy. Movement sequences will become longer and more complex. Emphasis will be on increased stamina, clarity of movement, and musicality. This course may be repeated twice for a maximum of 6 credits. Prerequisite: Instructor Permission.

DANC212

The Business of Dance

(3,0) 3

Students build the basic business skills necessary for success as an independent artist, studio owner, or dance company administrator. Topics range from financial statements to tax issues that independent (self-employed) artists face, business plans, entrepreneurship, marketing, and creating a nonprofit. Students will create a digital presence and artistic portfolio. Prerequisite: DANC101, DANC102 and Instructor Permission.

DANC220

Musical Theatre Styles

(0,4) 2

Students investigate approaches to choreography rooted in American musical theatre traditions, with an emphasis on ballet and/or jazz based techniques. Class experiences including learning excerpts from masterworks of musical theatre dance by choreographers such as Bob Fosse, Jerome Robbins, and Michael Bennett. Prerequisite: Instructor Permission. This course may be repeated once for a maximum of 4 credits.

DANC225

Modern Dance II

(0,4) 2

Building on Modern Dance I, students continue investigating principles and practices in American modern dance training. Movement sequences become longer, more complex, and require greater attention to detail. Prerequisite: Instructor Permission. This course may be repeated twice for a maximum of 6 credits.

DANC226

Dance Improvisation

(0,4) 2

Dance improvisation is a performance technique involving artistic creation of original movement in the moment, working with structures and concepts to guide or prompt the development and evaluation of the materials created. Students will work with a

critical response process that will guide artistic feedback. The final includes a performance of a structured improvisation. Completion of DANC201 and DANC225 is recommended prior to taking this course. This course may be repeated twice for a maximum of 6 credits. Prerequisite: Instructor Permission.

DANC230

Anatomy & Environment

(3,0) 3

In this introduction to experiential anatomy, students examine the body's systems in relationship to both human movement and artmaking. In the process, students will also explore the body's relationship to the environment, and how that relationship affects our movement choices as human beings, and as artists. Prerequisite: Instructor Permission. Students should have a background in some artistic practice such as dance, theatre, music, visual art, etc.

DANC301

Ballet III

(0,4) 2

Continuing their study of classical ballet, students will deepen their examination of ballet vocabulary and pedagogy. Focus will be on speed, increased clarity of movement, and artistry. Contemporary ballet practices will be incorporated, including the use of improvisation. This course may be repeated twice for a maximum of 6 credits. Prerequisite: Instructor Permission.

DANC305

Dance History

(3,0) 3

Students will investigate and analyze Western concert dance history and its socio-cultural contexts with an emphasis on American dance art. Attention will be paid to the impact of race, gender, identity/agency, politics, and economics on dance and its creators. Eurocentric and Africanist aesthetics will be examined. Connections to other artforms will also be examined. No prerequisite.

DANC310

Choreography

(3,0) 3

As they explore the building blocks of dancemaking practices, students will create a series of experimental phrases, and develop (short) completed dances by semester's end. A critical response process is utilized that will guide artistic feedback. Performance of a completed work from each student constitutes the final project. Prerequisite: Instructor Permission.

DANC401

Senior Thesis

1-4 4

A final project submitted by senior students. Course credits will be determined by the magnitude of the project. Prerequisites: Student should be pursuing a dance minor, or have completed at least 3 years of dance technique, courses in Choreography, Dance History, and at least 2 semesters of Dance Company with a minimum of 4 formal performances. Permission of Instructor. This course may be repeated for a total of 4 credits.

DANC402
Advanced Dance Studies
(0,3) 1

This course is designed to provide students with opportunities to explore advanced studies in ballet or modern dance and to apply their studies in production. Students will be encouraged and guided as they develop, direct, produce and/or choreograph a successful, high quality dance stage production. Prerequisite: Completion of DANC301, DANC310 and permission of instructor.

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DATA225
Word Processing Techniques
(3,0) 3

Students will cover basics of word processing including document creating, saving, printing, and some advanced features such as table, merge, graphics and report formatting. Hands-on experience is scheduled in labs outside of classroom hours.

DATA231
Database
(3,0) 3

In this course, students will cover advanced database applications in business including creating database tables, forms, reports, mailing labels and charts; creating relationships between database tables; using database wizards; and performing queries and filtering records. A student may repeat this course covering a different database management system for a maximum of six credit hours.

DATA235
Spreadsheets
(3,0) 3

In this course, students will cover advanced spreadsheet applications in business including writing and working with formulas; creating templates; finding and organizing information by filtering, sorting and subtotaling; working with multiple worksheets; creating charts; working with data tables and scenario management; and importing data into spreadsheet software. A student may repeat this course covering a different spreadsheet software program for a maximum of six credit hour.

DATA250
Desktop Publishing and Presentation Design
(3,0) 3

Introduction to document design and layout, use of font, color and graphics to produce newsletters, brochures and presentations. Concepts included are presentation preparation and delivery. Graphics software will be used. Prerequisites: ENGL111 and a working knowledge of word processing.

DATA261
Multimedia Applications

(3,0) 3

In this course, students will be introduced to the design and production of Web sites. Graphics, animation, and sound will be incorporated in the creation of interactive Web pages. Macromedia Studio, which includes Dreamweaver and Flash, will be used.

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ECON201

Principles of Macroeconomics

(3,0) 3

Nature and scope of economics; national income accounting; problems of unemployment and price instability; public revenues and expenditures; money and banking; fiscal and monetary policies to promote stability and economic growth. Prerequisite: Two years of high school algebra and equivalent/satisfactory score on ACT or Placement Exam or MATH102 with a grade of C or better.

ECON202

Principles of Microeconomics

(3,0) 3

Principles of economic reasoning; supply and demand analysis; theories of production; price and output determination under each of the four market structures; factor returns and income distribution theories; public policy implications. Prerequisite: Two years of high school algebra and equivalent/satisfactory score on ACT or Placement Exam or MATH102 with a grade of C or better.

ECON302

Managerial Economics

(4,0) 4

A study of the application of economic analysis to managerial decisions. Topics include the firm and its environment, demand estimation, production and cost analysis, optimization and profit maximization, analysis of markets, pricing strategy and analysis of project decisions. Prerequisite: MATH112 or equivalent.

ECON304

Money, Banking and Monetary Policy

(3,0) 3

Monetary theory; study of financial institutions and central bank authorities; monetary policy and its limitations; changing structure of financial markets and industry; relationships between money, prices and national income. Prerequisite: ECON201.

ECON305

Public Finance

(3,0) 3

The economics of public finance, including taxation, public expenditures and fiscal policy. Rationale and objectives of government activity in a market system;

distribution of tax burden; income redistribution effects of taxation and expenditure programs. Prerequisite: ECON201 or 202.

ECON307

Environmental Economics

(3,0) 3

This course examines the application of economic analysis to problems of air, water, forests, fisheries, energy, and soil use; economic approaches to valuing the environment; the benefits and costs of pollution control; and alternative policy approaches to environmental problems with emphasis on emissions trading. Prerequisite: ECON202.

ECON308

Intermediate Microeconomics

(3,0) 3

Theory of demand; consumer choice and utility analysis; production and cost analysis; price-output determination under the four market structures; resource allocation; public policy and managerial applications emphasized. Prerequisite: ECON202.

ECON309

Intermediate Macroeconomics

(3,0) 3

Determinants and measurement of national income; theories of consumption and investment; aggregate economic analysis including IS-LM and aggregate demand-aggregate supply models; unemployment and inflation; stabilization policies; economic growth. Prerequisite: ECON201.

ECON407

Introductory Econometrics

(3,0) 3

This course provides an introduction to the theory and use of regression analysis to solve problems in economics. The classical regression model is developed and extended to multiple regression. Topics include data problems, model specification, multicollinearity, goodness of fit, qualitative independent variables, heteroscedasticity, serial correlation, qualitative and limited dependent variables, and forecasting. Prerequisites: BUSN211 or MATH207, ECON201, 202, MATH112 or 151.

ECON408

International Economics

(3,0) 3

Pure theory of trade and comparative advantage; free trade versus protectionism; trade problems of developing nations; balance of payment accounting; exchange rates; international monetary systems. Prerequisites: ECON201 and 202.

ECON409

Seminar in Economics

(1-2,0) 1-2

Discussion of economic issues, theories and their applications. May be repeated for

credit with the approval of the instructor for a total of four credits.

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EDSE301
Introduction to Special Education
(3,0) 3

An introduction to the historical and legal bases of special education. Research based examination of the models, theories and philosophy of teaching students with disabilities. Prerequisites: admission to the School of Education. This course may NOT be repeated for credit.

EDSE302
Communication and Community
(3,0) 3

Developing effective communication between all participants in the educational community involved in the education of students with special needs. Topics include preparing and implementing IEPs and communication with parents, students and teachers. Prerequisite: EDSE301.

EDSE320
Introduction to Learning Disabilities
(4,0) 4

An examination of the educational research, characteristics, diagnostic principles and practices related to teaching students with learning disabilities. Psychological theories (e.g. developmental, behavioral, and cognitive) of teaching students with learning disabilities and associated learning strategies are reviewed. Prerequisites: EDSE301, EDSE302.

EDSE401
Issues and Trends Impacting Learning Disabilities & Special Education
(3,0) 3

Contemporary issues in the education of students with learning disabilities and other special needs will be explored. Policies and regulations, requirements and procedures for service, curriculum adaptation and modification, delivery models relating to placement, privacy, advocacy, and family education will be discussed. Prerequisite: EDSE302.

EDSE403
Assessment and Diagnosis
(3,0) 3

An examination of the education research and best practices related to identification, assessment, instruction, accommodation, and implementation of special education programs. Legal responsibilities of the school in the areas of assessment, diagnosis, and diversity will also be addressed. Prerequisites: EDSE301, EDSE320.

EDSE404

Instruction and Technology: Preschool to Adult

(4,0) 4

An examination of the research and best practices using assistive technologies to increase, maintain or improve the capabilities of students with disabilities.

Prerequisites: EDSE320, EDSE403.

EDSE480

Student Teaching Seminar: Special Education

(1,0) 1

A seminar for teacher candidates during a student teaching internship in a special education classroom. Corequisite: EDSE492. Prerequisites: EDSE320, EDSE403, and EDSE404, and admission to student teaching. The course may NOT be repeated for credit.

EDSE492

Internship/Supervised Student Teaching: Learning Disabilities

(8,0) 8

Supervised student teaching internship in a special education classroom, focus on working with students with learning disabilities. Grading will be CR/NC. Corequisite: EDSE480. Prerequisites: EDSE320, EDSE403, EDSE404 and admission to student teaching. The course may NOT be repeated for credit.

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EDUC101

Self as Learner

(1,0) 1

This course introduces students to the field of education. Emphasis is placed on the application of basic learning theory to personal success in learning, successful integration into the university culture, effective time management and the development of organizational, critical thinking, and study skills required for academic success.

EDUC250

Student Diversity and Schools

(4,0) 4

This course will examine the impact of diversity on students and educational systems through the consideration of the historical and philosophical foundations of schooling, the impact of diversity on students' participation in the system, and the characteristics of effective teaching practice to meet the needs of diverse learners. Field experience in an Eastern Upper Peninsula elementary or secondary school is required. Prerequisite: ENGL111.

EDUC301

Educational Psychology and Learning Theory

(3,0) 3

This course focuses on research-based theories of learning and learning processes, the role of the teacher in supporting the process, and alternatives for evaluation of

learning outcomes. Field experience is required. Prerequisites: EDUC250 and admission to the teacher education program.

EDUC330

Reading in the Elementary Classroom

(3,0) 3

This course examines reading as a process of constructing meaning through dynamic interaction among reader, the text, and the context of the reading situation. Content includes objectives, content, materials, organization and methods of teaching reading in the elementary school. Fieldwork required. Prerequisite: Admission to the teacher education program. Pre- or co-requisite: EDUC301.

EDUC350

Integrating Technology into 21st Century Learning Environments

(2,2) 3

This course explores instructional technology tools, educational media, theory, and practice with the goal of designing consummate learning experiences with seamless technology integration for all students. Application of technology and learning theory to planning for instruction is included, with specific focus on setting outcomes for learning. Prerequisites: Admission to the teacher education program, EDUC301.

EDUC410

Corrective Reading in the Classroom

(3,0) 3

This course considers methods for the classroom diagnosis of students' reading strengths and weaknesses. Techniques for planning and implementing corrective and remedial interventions based on diagnosis are presented and applied. Fieldwork required. Prerequisite: EDUC330.

EDUC411

Elementary Language Arts and Literacy Skills

(2,0) 2

This course studies methods of teaching language arts as literate activity and the use of a research base for the social context of children's learning. Emphasis is on the emergence of literacy in elementary students. Fieldwork required. Prerequisites: EDUC415, admission to teacher education program.

EDUC415

General Instructional Methods

(1,2) 2

This course provides opportunities to study and apply research-based instructional methodologies to facilitate effective learning with an emphasis on differentiation and authentic assessment. Fieldwork required. Prerequisites: Admission to the teacher education program, EDUC350.

EDUC420

Math Methods for Elementary Teachers

(2,0) 2

This course studies strategies and methodologies that facilitate effective mathematics instruction. Students develop and present mathematics lessons and units using national, state and local standards in planning instruction and assessment. Emphasis is placed on effective integration of technology in learning and assessment. Fieldwork required. Prerequisites: MATH103, MATH104, EDUC415 and admission to teacher education program.

EDUC421

Science Methods for Elementary Teachers

(2,0) 2

This course studies strategies and methodologies that facilitate effective science instruction. Students develop and present science lessons and units using national, state and local standards in planning instruction and assessment. Emphasis is placed on effective integration of technology in learning and assessment. Fieldwork required. EDUC415 and admission to teacher education program.

EDUC422

Social Studies Methods for Elementary Teachers

(2,0) 2

This course studies strategies and methodologies to facilitate effective social studies instruction. Students develop and present social studies lessons and units using national, state and local standards in planning instruction and assessment. Emphasis is placed on effective integration of technology in learning and assessment. Fieldwork required. Prerequisites: EDUC415 and admission to teacher education program.

EDUC423

Arts Methods for Classroom Teachers

(2,0) 2

Elementary teacher candidates examine the knowledge, understanding, and application of the content, functions, and achievements of dance, music, theatre, and the visual arts to promote elementary students' ability to create, perform and respond in and through the arts. Candidates demonstrate their understanding that all students can learn the knowledge and skills that make up the arts.

EDUC424

Health/Physical Methods for Classroom Teachers

(2,0) 2

Elementary teacher candidates demonstrate the knowledge, understanding, and application of research-based strategies to create opportunities for all students to develop critical knowledge, skills, and behaviors that contribute to life-long health. Candidates demonstrate knowledge and understanding through planning and appropriate implementation of effective past and current research-based human movement and physical activity strategies as central elements to foster active, life-long healthy lifestyles for all elementary students.

EDUC430

General Methods for Secondary Teachers

(3,0) 3

A study of strategies and methodologies to facilitate learning at the secondary level including classroom management and organization for productive learning

communities. The multiple roles of the teacher in the secondary classroom are examined including participant, colleague, researcher, reflective practitioner, accountable professional, counselor and mentor. Integrated technology component. Fieldwork required. Prerequisites: EDUC150, 250, 301 and admission to the teacher education program.

EDUC431

The Secondary Learner

(3,0) 3

A study of the dilemmas of adolescents as they affect students in secondary schools. The course focuses on the special needs and sensitivities of adolescents and implications for instruction and classroom management. Integrated technology component. Fieldwork required. Prerequisites: EDUC150, 250, 301 and admission to the teacher education program.

EDUC440

Reading in the Content Area

(3,0) 3

A study of reading methods appropriate to use in secondary classrooms. Includes formal and informal assessment procedures for determining students' abilities and the accompanying strategies to enhance content area comprehension and concept development. Students use national and state standards and benchmarks in planning instruction and assessment. Integrated technology component. Fieldwork required. Prerequisites: EDUC150, 250, 301 and admission to the teacher education program.

EDUC441

English Language Arts Methods for Secondary Teachers

(3,0) 3

This course applies general instructional strategies and methodologies to specific language arts and English content. Students develop and present English lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC442

Math Methods for Secondary Teachers

(3,0) 3

This course applies general instructional strategies and methodologies to specific mathematics content. Students develop and present math lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC443

Science Methods for Secondary Teachers

(3,0) 3

This course applies general instructional strategies and methodologies to specific science content. Students develop and present science lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite:

EDUC415 or EDUC430.

EDUC444

Social Studies Methods for Secondary Teachers

(3,0) 3

This course applies general instructional strategies and methodologies to specific social studies content. Students develop and present social studies lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC445

Teaching Computer Science in the Secondary Classroom

(3,0) 3

This course applies general instructional strategies and methodologies to specific computer science content. Students develop and present computer science lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC447

Theories and Methods of Teaching World Languages

(3,0) 3

This course applies general instructional strategies and methodologies to specific world language content and second language acquisition. Students develop and present lessons and units using national, state, and local standards for planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Prerequisite: EDUC415 or EDUC430.

EDUC451

Directed Study in English Language Arts Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific language arts and English content. Students develop and present English lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC441. Prerequisite: EDUC415 or EDUC430.

EDUC452

Directed Study in Math Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific mathematics content. Students develop and present mathematics lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC442. Prerequisite: EDUC415 or EDUC430.

EDUC453

Directed Study in Science Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific science content. Students develop and present science lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC443. Prerequisite: EDUC415 or EDUC430.

EDUC454

Directed Study in Social Studies Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific social studies content. Students develop and present social studies lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC444. Prerequisite: EDUC415 or EDUC430.

EDUC455

Directed Study in Computer Science Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific computer science content. Students develop and present computer science lessons and units using national, state, and local standards in planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC445. Prerequisite: EDUC415 or EDUC430.

EDUC457

Directed Study in World Language Teaching Methods for Secondary Teachers

(3,0) 3

This course, delivered in an independent research or directed study format under the supervision of a faculty member, applies general instructional strategies and methodologies to specific world language content and second language acquisition. Students develop and present lessons and units using national, state, and local standards for planning instruction and assessment, with effective integration of instructional technology. Fieldwork required. Course will substitute for EDUC447. Prerequisite: EDUC415 or EDUC430.

EDUC460

Classroom Management

(2,0) 2

This course focuses on effective classroom management techniques essential to

creating a positive, democratic learning environment. Exploration of management techniques and theories leads to a development of personal classroom management system to help students become responsible for their behaviors and choices.

Prerequisite: EDUC415.

EDUC480

Directed Teaching Seminar

(2,0) 2

This seminar provides a forum for students in the Directed Teaching experience to discuss issues in teacher education, classroom management, teaching of all students and professional development. Co-requisite: EDUC492.

EDUC490

Research Topics in Education

(1-4) 1-4

Individual study under supervision of teacher education faculty member. May be repeated to a maximum of four credits. Prerequisites: admission to the teacher education program, senior status and permission of instructor.

EDUC492

Directed Teaching

10

This course is a full-time teaching practicum under the direction and mentoring of a k-12 cooperating teacher. Evolution from observation and facilitation of small group activities, to whole-class instruction of a full-time teaching load in an area school. Emphasis is placed on maintaining classroom communities that ensure equitable access to important knowledge and skills. Grading will be CR/NC. Prerequisites: Admission to student teaching internship. Corequisite: EDUC480.

EDUC624

Reading: Research and Methodologies

(3,0) 3

Theories, research, and methods focused on enabling students to become self-regulated readers who effectively use multiple strategies in their reading. Strategic processes in comprehension, word identification, critical thinking, and analysis will be examined as will the role of the teacher as a model and mediator of such processes in a variety of reading contexts. Pre-requisite: Admission to MA C&I program or permission of instructor.

EDUC635

Applying: [specify course title by section]

1

A directed study course applying the content knowledge developed through approved EDUC 900-level sections within the context of curriculum and instruction. The student will develop three research based teaching units based on content appropriate to the grade level of their teaching certificate/endorsements (K-12), and/or a research project or paper as determined by the instructor and approved by the LSSU Department of Education. Prerequisite: admission to the MA-C&I program or approved plan of study, permission of instructor. Co- or Prerequisite: concurrent enrollment or successful completion (B or higher) of an approved 900-level section. Course may be repeated up to three times for credit with permission of the

graduate coordinator or Dean, up to once per section number or course title.

EDUC690

Special Topics

1-3

Courses and workshops designed to meet the special needs of K-12 teachers, e.g. workshops approved by the School of Education for graduate credit. The transcript will specify the specific content, e.g. Special Topics (K-4 Mathematics), etc. Approval of the School of Education is required to apply credits earned through special topics courses in the MA C&I program. May be repeated for credit when content varies. Prerequisite: Admission to the MA C&I program or approval of instructor.

EDUC910

Special Topics: [specify course title by section]

1-3

Topical courses in education based on independent or directed study, workshops or other professional development activities. Courses addressing the continuing education requirements of educational professionals (e.g. regular or special educators, instructional assistants, school psychologist, counselors). *Successful completion of this course will award non-matriculated graduate credit which may apply to the renewal of professional certificates/credentials but which does not apply to an LSSU graduate degree. Course number may be repeated when content and course title vary, once per section Grading: S=satisfactory, equivalent to a B or higher in graduate courses or NC=no credit. Tuition for non-matriculated graduate credit will be established by the Board of Trustees.

EDUC920

Special Topics: [specify course title by section]

2

Topical independent study courses in education delivered in partnership with Virtual Education Software. Courses addressing the continuing education requirements of educational professionals (e.g., regular or special educators, instructional assistants, school psychologist, counselors). This course requires DSL-level or higher internet and access to a computer for course assignments and to participation in online sessions and discussion boards. Sections of this course are based on curriculum developed by Virtual Education Software (VESi) and include additional assignments and group interaction including synchronous and asynchronous communication supervised by LSSU faculty. *Successful completion of this course will award non-matriculated graduate credit which may apply to the renewal of professional certificates/credentials but which does not apply to an LSSU graduate degree except as noted in EDUC635. Specific course titles under this number will be listed on the LSSU education web site, and are available through a cooperative contractual agreement with VESi. Course number may be repeated when and course title vary, once per section Grading: S=satisfactory, equivalent to a B or higher in graduate courses or NC=no credit. Tuition for non-matriculated graduate credit will be established by the Board of Trustees.

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EGEE125

Digital Fundamentals

(3,2) 4

This course provides a study of numbering systems, Boolean algebra, optimization and reduction techniques, combinational logic, sequential digital logic, digital arithmetic, counters, multiplexers, demultiplexers, and microcomputer memory devices. Emphasis is placed on digital circuit design and contemporary programmable logic concepts. Prerequisite: EGNR101 or EGNR103. Pre or Corequisite: MATH111 and MATH131.

EGEE210

Circuit Analysis

(3,3) or (3,3,1) 4

This course is an introduction to the analysis of linear circuits. Topics include: basic circuit elements and their terminal relations, Kirchoff's laws, nodal analysis, mesh analysis, superposition theorem, Thevenin and Norton equivalent circuits, DC transient analysis of RC and RL circuits, phasors, sinusoidal steady-state response of RLC circuits and single-phase and three-phase AC power analysis. Prerequisites: MATH152, EGNR140 and one of the following: EGNR101 or 103.

EGEE250

Micro-Controller Fundamentals

(3,2) 4

An introduction to micro-controller architecture, machine and assembly language program development, and computer system hardware and interfacing techniques. Prerequisite: EGEE125 with a C or better grade.

EGEE280

Introduction to Signal Processing

(4,0,0) or (4,0,1) 4

The course introduces mathematical techniques used in the design and analysis of analog and digital signal processing systems. Topics include complex numbers, phasor representation of sinusoids, spectral representations, convolution, frequency response, sampling and reconstruction, Fourier series and Fourier transform, and the use of MATLAB as a signal processing tool. Prerequisites: MATH152 and EGNR140.

EGEE310

Network Analysis

(4,0) 4

A continuation of EGEE210 with an emphasis on the systems approach to circuit analysis and design. Topics include the Laplace transform, transfer functions, frequency response, Fourier series, filter design, and op-amps. Prerequisites: EGEE210, EGEE280. Pre- or corequisite: MATH310.

EGEE320

Digital Design

(3,3) 4

A study of logical and electronic circuit design techniques including combinational and sequential circuits, programmable logic devices, MSI and LSI devices. Synchronous state machine design using computer-based tools is emphasized for control applications. Prerequisite: EGEE125 with a grade of C or better, and either

EGNR265 or CSCI121.

EGEE330

Electro-Mechanical Systems

(3,3) 4 or (3,3,1) 4

A study of three-phase circuits, electro-mechanical energy conversion, transformers, AC and DC machines, motor drives, and controlled converters. The laboratory activities include planning and conducting tests of electrical machines, and simulation with physical modeling software. Prerequisite: EGEE210 with a grade of C or better, EGNR140, and MATH152.

EGEE345

Fundamentals of Engineering Electromagnetics

(3,0) 3

This course provides an in-depth knowledge of the fundamentals of electromagnetic theory. Topics include vector analysis, electrostatic fields and magnetostatic fields, while familiarizing students with the applications of such fields, Maxwell's equations, and an introduction to wave propagation and radiation. Prerequisites: EGEE210 with a grade of C or better, MATH251 and PHYS232. Pre- or corequisite: MATH310.

EGEE355

Microcontroller Systems

(3,3) 4

A study of microcontroller systems design based on the 8/16/32-bit microcontrollers. Assembly and C languages are used for program development in the design of embedded systems. Interfacing techniques, real-time control, and microcontroller emulator use are emphasized. Prerequisites: EGEE250 and one of the following: EGNR265 or CSCI121.

EGEE370

Electronic Devices

(3,3) (3,3,1) 4

This course provides an in-depth study of the basic electronic devices. Topics include diodes, MOS field effect transistors, bipolar junction transistors as well as amplifier concepts such as gain, bandwidth, biasing and frequency response. Diode rectifiers, common amplifier configurations, digital CMOS logic circuits, latches, flip-flops and RAM cells are studied as applications of electronic devices. Prerequisites: EGEE125 with a C or better grade, EGEE210 with a C or better grade, and MATH152.

EGEE411

Power Distribution and Transmission

(3,0) 3

This course provides an introduction to the analysis and design of systems that carry electrical power from the point of generation to the point of use. Topics include mathematics and techniques of power flow analysis, ground-fault analysis, transient stability analysis, analysis of large power system networks, and the use of power system simulation software. Prerequisites: MATH152, EGEE210, and EGEE280.

EGEE425
Digital Signal Processing
(2,2) 3

A study of the application of real-time digital signal processing in analog and digital control system design. The course emphasizes discrete Fourier transforms, design of digital filters, sampling theory, and process control using data acquisition equipment and computer simulation techniques. Additional emphasis is placed on communication theory in relation to its utilization of DSP technology. Prerequisites: EGEE250, and EGEE 280 with a grade of C or better, EGNR140, and either EGNR265 or CSCI121.

EGEE475
Power Electronics
(3,3) 4

This course provides an introduction to electrical power processing. The general topics include various electronic power switching circuits including: AC-DC rectifiers, DC-DC converters and DC-AC inverters. Additional topics include applications of power switching circuits as well as characteristics of power semiconductor devices. Prerequisites: EGEE280, EGEE370, and MATH251.

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EGEM220
Statics
(3,0) or (3,0,1) 3

A study of theory and application of engineering mechanics principles with emphasis on vector analysis, free body diagrams, properties of areas, and problem solving. This emphasis includes applying principles of equilibrium to particles and rigid bodies. Prerequisite: EGNR140. Pre, or Corequisites: MATH152 and PHYS231.

EGEM320
Dynamics
(3,0) or (3,0,1) 3

A study of theory and applications of dynamics and problem-solving techniques. Topics include position, velocity, and acceleration analysis of particles and rigid bodies. Newton's second law, work and energy and impulse and momentum are covered. Prerequisites: MATH152 and EGEM220.

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EGET110
Applied Electricity
(3,2) 4

This course covers basic principles of DC and AC electricity. Topics include resistance, inductance, capacitance, series and parallel circuits, magnetic circuits, transformers and electrical motors. Laboratory exercises will reinforce the lecture material. Prerequisite: MATH111 and MATH131 each with a C or better.

EGET175

Applied Electronics

(3,2) 4

An introduction to the operation of basic electronic devices including diodes, transistors and operational amplifiers. Topics include: Power supplies, amplifiers, frequency response and filter circuits. Laboratory exercises will reinforce the lecture material and introduce computer circuit analysis. Prerequisite: EGET110.

EGET310

Electronic Manufacturing Processes

(3,3) 4

This course will cover traditional and modern techniques for the design, fabrication, and testing of electronic circuit boards. Traditional techniques include wire cutting and stripping and manual and wave soldering. Modern techniques include the routing of multilayer surface mount boards, solder paste stenciling and dispensing, pick-an-place assembly and programming, reflow oven soldering, and rework techniques. Additional topics may include mechanical mounting, assembly line coordination, cell manufacturing, and potting and sealing materials. Prerequisites: either (EGET110 and EGET175) or EGEE210.

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EGME110

Manufacturing Processes

(2,3) 3

An introduction to basic manufacturing processes. Both theory and applications of various processes are covered in lecture and laboratory. Topics include: machining processes, welding and related processes, metal forming processes, and plastic forming processes. Included in machining processes is a limited scope computer aided design and computer numerical control project. The topics of measuring instruments and laboratory safety will also be addressed in the lecture and laboratory. Completion of a high school trigonometry course is expected for enrollment. Co-requisite or Prerequisite: EGME141 and MATH111 (or equivalent/satisfactory score on ACT/SAT, or Placement Exam) or Permission of Instructor.

EGME141

Solid Modeling

(2,2) 3

An application of standard solid modeling software to draw, dimension, and design mechanical parts and assemblies. Topics covered include: standard drafting techniques, orthographic projections, wireframe and solid methods, dimensioning, assemblies, and constraining. An introduction to animation of assemblies is also included. Pre- or Corequisite: MATH102.

EGME225

Mechanics of Materials I

(3,0) 3

A study of stress analysis and measurements. Topics include axial, shear, torsion, bending stresses, axial strains, shear strains, Poisson's ratio, Hooke's law and the

transformation of stresses and strains. Deflection of beams and buckling of columns are also treated. Prerequisite: EGEM220 with a grade of C or better. Pre- or corequisite: MATH152.

EGME240

Assembly Modeling and GD&T

(2,3) 3

The course is a continuation of EGME141. Parametric modeling and design of assemblies by the use of solid models. Emphasis will be placed on animation of assemblies to display the functionality of assemblies. Prerequisites: EGME110, EGME141, MATH131 and sophomore standing.

EGME275

Engineering Materials

(3,0) 3

A study of the physical structure of engineering materials, including metals, ceramics, polymers, and composites, as well as their properties and applications. Failure modes of materials, such as corrosion, fatigue, plastic deformation, and brittle failure, are also covered. For metal alloys, there is an emphasis on the interpretation of phase diagrams and time-temperature-transformation diagrams. Prerequisite: CHEM115 or (CHEM108 and CHEM109). Pre- or corequisite: EGME225 or EGME225.

EGME276

Strength of Materials Lab

(0,3) 1

Laboratory experiments covering topics in mechanics of materials and engineering materials. Theory from mechanics of materials and engineering materials will be covered through hands-on experiments. (Pre- or corequisites: EGME225 and EGME275) or (Prerequisite EGME225 and Pre or corequisite EGME275).

EGME310

Vehicle Development & Testing

(1,2) 2

A course providing a systematic overview of topics within the areas of automotive vehicle dynamics, component design, and testing. An introduction to gross vehicle dynamics is followed by a detailed study of specific vehicle subsystems, including both their design and their role in the overall vehicle behavior. Dynamic behaviors covered include acceleration, braking, cornering, ride, and load transfer. Subsystems considered include the brakes, steering system, suspension, tires, and drive train. Vehicle testing and benchmarking is also covered. Laboratory content includes an introduction to a commercial vehicle dynamics software package. Prerequisites: PHYS221 or PHYS231. Pre- or corequisites: EGEM220 or EGME225.

EGME337

Thermodynamics

(4,0) or (4,0,1) 4

A study of the theory and applications of thermodynamics. Topics covered include: thermodynamic properties, heat, work, first and second Laws of thermodynamics, entropy, power and refrigeration cycles, gas mixtures, and an introduction to transport theory. Prerequisite: MATH152 or MATH112 and EGME332.

EGME338

Fluid Mechanics

(3,0) 3

A study of the theory and applications of fluid statics and fluid dynamics. Topics covered include: hydrostatics, buoyancy and stability, Bernoulli and energy equations, dimensional analysis, flow in pipes, pumps, potential flow, open-channel flow, introductory gas dynamics, integral and differential analysis of flow, exact and approximate solutions of the Navier-Stokes equations, and computational fluid dynamics (CFD). Prerequisites: EGME220, MATH251, MATH310.

EGME350

Machine Design

(3,3) 4

Design and selection of machine components and power transmission units. Selected topics in load, stress, and deflection analysis in more depth than EGME225, notably (but not exclusively) torsion of thin-walled sections, thick-walled pressure vessels, interference fits, buckling problems by eigenvalue analysis, and Castigliano's theorems. Deterministic and stochastic theories of static failure, dynamic loading, and fatigue. Performance analyses of machine components, such as shafts, bearings, gears, worms, fasteners, and belt/chain drives. Laboratory covers finite element analysis using commercial software, and involves a major group design project. Prerequisites: EGME141, 225, 275, and 276. Pre-or Corequisite: MATH310.

EGME415

Vehicle Dynamics

(2,0) 2

A study of vehicle dynamics, treating selected topics in automobile dynamics with more theoretical depth than EGME410, but also surveying heavy trucks, tracked and off-road vehicles (including terrain interaction), railway vehicles, and water-borne vessels. Dynamic modeling, as well as a thorough understanding of underlying physical phenomena, are emphasized. Prerequisites: EGME320, EGNR340 and EGME310.

EGME425

Vibrations and Noise Control

(3,2) 4 or (3,2,1) 4

An introductory course on vibrations analysis, noise control, and acoustics. The vibrations portion includes the theory of discrete and continuous vibrating systems, and such applications as vibration mitigation, machinery vibrations, and rotor dynamics. The noise control/acoustics portion includes the theory of airborne sound, sound fields in bounded spaces, an overview of human hearing, and noise mitigation. Measurement techniques and signal analysis are covered in the laboratory segment. Prerequisites: EGME225, EGME320, EGNR340, MATH251 and 310.

EGME431

Heat Transfer

(3,0) (3,0,1) 3

Theory and applications of heat transfer. Steady-state and transient conduction,

forced convection, natural convection, radiation. Analysis of heat exchangers, boiling and condensation, introduction to numerical methods in heat transfer.

Prerequisites: EGME337, EGME338 and (EGNR265 or EGNR140).

EGME432

Thermal and Fluids Lab

(1,3) 2

Practical applications of thermodynamics, fluid mechanics, and heat transfer. Hands-on training in the operation of thermodynamic components, power generation systems, and fluid mechanical devices. Experimentation in heat transfer. Includes major project in the area of power generation and dissipation. Prerequisites: EGME337 and EGME338. Pre- or corequisite: EGME431.

EGME442

Finite Element Analysis

(3,3) 4

This course will cover the fundamentals of finite element analysis. Topics include: Modeling elements, boundary conditions, loading, convergence and an introduction to modal analysis. Commercial software will be used in the laboratory along with 3-D mesh generation. Prerequisites: EGME350 and MATH310.

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EGMF110

EGMF110 Introduction to Machining I

(2,6) 4

Students will receive instructions on shop safety, blueprint reading, measuring instruments, layout principles, and basic bench work. They will also receive instructions on grinding, lathes, drill presses, saws, and basic milling. Some metallurgical concepts are introduced. The course will make use of the Machinery's Handbook and apply the principles, concepts, and data in the handbook to industrially related projects. Information from the handbook will be used to ensure proper set-up and operation of the machinery. Students will spend several hours each week setting up, working, and familiarizing themselves with the machines.

EGMF130

EGMF130 Introduction to Machining II

(2,6) 4

This course builds up upon the material presented in EGMF110. Students will receive additional instruction on shop safety and measuring techniques relative to the machinery introduced in this course. Additional topics on vertical and horizontal milling machines, surface grinders, metallurgy, and blueprint reading are covered. The Machinery's Handbook will continue to be used in conjunction with the machines utilized in this course. Students will spend several hours each week setting up, working, and familiarizing themselves with the machines. Prerequisite: EGMF110.

EGMF210

EGMF210 Advanced Machining

(2,6) 4

In this course, students will write CNC programs in machine codes, and then setup and run CNC machines to produce parts from these programs. Computer software interfacing between programming languages and various industrial machines will be stressed. Computer-aided manufacturing (CAM) topics and applications of CAM software will also be covered. Students will be able to describe the sequence and operations for a part program, determine the tools required for machining, calculate speeds and feeds, set-up tooling on CNC machines, develop CNC programs using standardized formats, and use CAM software to produce three dimensional parts. Prerequisites: EGMF110 or EGME110, and MATH102. Pre- or corequisite: EGMF130.

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EGMT142

EGMT142 An Overview of Solid Modeling Techniques

(1,2) 2

This course will cover an application of solid modeling software techniques to create parts and assemblies. Topics covered include creating sketches; creating parts with extrude, revolve, blend, and sweep; creating part features with round, chamfer, pattern, mirror; use of the part history tree; dimensioning of parts; building of assemblies; creation of parts from 2D drawings; creating 2D drawings from solid models of parts and assemblies; and an introduction to animation of assemblies. Prerequisites: Previous CAD course and permission or instructor.

EGMT216

CAM with CNC Applications

(2,3) 3

Writing CNC programs in machine codes, and the setup and trial runs to produce parts from these programs. Simulation of CNC machining processes to predict tool paths and cycle times. Computer-aided manufacturing (CAM) topics and applications of CAM software will also be covered. Prerequisites: EGME110, EGME141, MATH131.

EGMT225

EGMT225 Statics and Strength of Materials

(4,0) 4

Fundamental concepts of statics and strength of materials. Solutions of problems introducing forces, moments, normal stress, shear stress, bending stress and torsional stress. Theory and application of strain gages. Prerequisites: MATH111 and MATH131 each with a C or better and PHYS221.

EGMT332

EGMT332 Thermodynamics and Heat Transfer for Technologists

(4,0) 4

This course provides an algebra-based coverage of topics in thermodynamics and heat transfer relevant to technologists in manufacturing and fire science. Thermodynamics topics include properties of substances, energy balances, combustion and thermochemistry, and heating and ventilation systems. Basic principles of conduction, convection, and radiation, and their application to practical problems are covered in the heat transfer portion of the course. Prerequisite: MATH111 or 140.

EGNR101**Introduction to Engineering****(1,2) 2**

An introduction to the different areas of study within the fields of electrical and mechanical engineering. Lecture topics and laboratory activities will introduce computer programming, computer simulation exercises, data-acquisition systems, microcontroller systems, communications, robotic and manufacturing applications, material science and dynamics. Prerequisite or corequisite: MATH102.

EGNR102**Concepts and History of Engineering****(2,0) 2**

This course provides instruction on problem-solving techniques using engineering tools and concepts as students work on an engineering design project. Topics in engineering ethics and the engineering work experience are discussed. A history of engineering and the development of the specific engineering fields are presented. Pre- or corequisite: MATH102.

EGNR103**Engineering Orientation****(0.5,1) 1**

This course provides an orientation to the engineering and engineering technology fields at Lake Superior State University, including robotics. Students are introduced to the engineering professional organizations and are encouraged to participate in professional activities. Laboratory exercises focus on introducing students to the engineering facilities and programmatic options within the engineering and engineering technology disciplines. Academic success strategies are also presented. Pre- or co-requisite: MATH102.

EGNR140**Linear Algebra and Numerical Applications for Engineers****(1,3) 2**

This course covers the engineering application of concepts from applied mathematics, iterative programming and computational software packages. Applications of linear algebra are introduced. Iterative programming emphasizes loops, conditional statements and user input-output. The lab also includes instruction on commercially-available software used to perform computational tasks of applied interest. Prerequisite: MATH131. Pre- or Co-requisites: MATH112 or MATH151.

EGNR245**Calculus Applications for Technology****(2,2) 3**

This course covers engineering applications of differential and integral calculus, including areas, volumes of solids, vector analysis, matrix algebra, polar and cylindrical coordinate systems, partial differentiation, and multiple integrals for typical engineering technology problems. Application and solutions to engineering problems will emphasize and require the use of commercial software packages such

as MathCAD and MATLAB. Prerequisite: EGNR140.

EGNR250

Cooperative Education

(2) 2

A practicum in which students work in a supervised engineering capacity (on site) with industry. The student is expected to work at least 6 hours per week in an industrial setting. The student's experience must be related to his/her academic studies and thus this experience contributes significantly to his/her professional development. May be repeated for a maximum of 4 credits. Prerequisite: Permission of Instructor.

EGNR260

Engineering Research Methods

(1,3) 2

This is an introductory course covering research methods in engineering and engineering-related fields. The student will be involved in faculty-supervised and guided research activities such as assisting with developing experiments, gathering data and analyzing results. Much time will be spent learning about the research project, past experiments and future directions. Can be repeated for credit. Prerequisite: permission of instructor.

EGNR261

Energy Systems and Sustainability

(3,0) 3

The course provides an introduction to energy conversion systems and discusses issues related to the sustainability of each system. Topics include basic energy definitions, traditional energy resources and reasons for pursuing alternative energy resources, renewable and nonrenewable energy resources, energy storage, and electrical grid integration. Topics also include policy as well as social, economic, and environmental sustainability issues as they relate to energy conversion. Prerequisite: MATH102 or equivalent.

EGNR265

C Programming

(3,0) or (3,0,1) 3

An introductory course in "C" programming with an emphasis on structured programming techniques and on utilizing "C" to solve engineering-related problems. Topics include looping techniques, input and output to files, conditional flow of control, writing and utilizing functions, pointers, 1D and 2D arrays, and data storage. Prerequisites: MATH111 and MATH131 and sophomore standing.

EGNR310

Quality Engineering

(3,0) 3

Provides a coverage of classical and modern methods of quality control and quality engineering. Topics include quality control principles and terminology, classical qualitative and quantitative quality control methods, including statistical process control procedures, robust design methods as applied to product design and design of experiments, and an overview of quality management systems used in industry. Pre- or Corequisites: MATH207 or MATH308.

EGNR340

Numerical Methods for Engineers

(0,2) 1

This course addresses numerical methods for the solution of problems in linear algebra, numerical integration, root searching, linear and non-linear regression, ordinary and partial differential equations, and eigenvalue analysis. It emphasizes proficiency in independently programming algorithms for the simulation of physical systems with engineering applications, an understanding of how these algorithms work and are structured, and an appreciation for the value of computational efficiency in numerical methods. Prerequisites: EGNR140. Pre- or Corequisites: MATH310 and (CSCI121 or EGNR265).

EGNR346

Probability and Statistics Laboratory for Engineers

(0,2) 1

This laboratory accompanies MATH308, a calculus-based introduction to the basic theory of probability and statistics. Topics include methods of data collection, experimental design, interpretation of data and use of a statistical software tool. Pre- or corequisite: MATH308.

EGNR361

Energy Systems and Sustainability Lab

(0,3) 1

The course explores the technical and implementation aspects of sustainable energy systems. Students will design, construct, and/or analyze various energy conversion systems. They will also design and implement subsystems that can store energy and construct connections between energy sources, energy storage subsystems, and the electrical grid. Prerequisites: (CHEM108 or CHEM115), (EGET110 or EGEE210), MATH131 or higher, excluding MATH207, (PHYS221 or PHYS231); Pre/Corequisite: EGNR261.

EGNR362

Vehicle Energy Systems

(2,3) 3

An introduction to vehicle power train energy systems and both battery and fuel cell electric/hybrid systems. Other topics include vehicle drive profile calculations, torque and speed coupling, and safety considerations. Vehicle topics also include cars, trucks, and off-road hybrid systems. Laboratory activities include CAN and other communication and information systems, and vehicle performance analysis and simulations using Excel, Simulink, and CANoe. Lab activities include using the chassis vehicle dynamometer with external instrumentation, CAN and OBD-based data acquisition. Prerequisites: (PHYS221 or PHYS231), (EGEE210 or EGET110) and pre/corequisite: EGNR265.

EGNR450

Cooperative Education Project I

(4) 4

A practicum in which students work in a supervised engineering capacity (on site) with industry. This is the first of a two-part sequence that can replace the senior year Engineering Design Project II (EGNR495). The focus of this course is the

development of the co-op project proposal and the initiation work on the co-op project. The expectation is that at least 60% of a forty hour work week is devoted to completing the project. Prerequisite: EGNR250 Cooperative Education.

EGNR451

Cooperative Education Project II

(3) 3

A practicum in which students work in a supervised engineering capacity (on site) with industry. This is the second of a two-part sequence that can replace the senior year Engineering Design Project II (EGNR495). The focus of this course is the completion of the co-op project. The documentation at the completion of the project includes an update presentation and a final report/final presentation. The expectation is that at least 60% of a forty hour work week is devoted to completing the project. Prerequisite: EGNR450 Cooperative Education.

EGNR460

Engineering Research Project I

(2,6) 4

This is a senior-level course in which students are actively involved in a faculty-supervised and guided research project. Students will acquire the skills listed under EGNR491 and develop a research plan for some portion of a project. The plan will be implemented in EGNR461. Specifically, the students will work to develop a proposal of the expected research goals and create a project timeline and budget. The student's faculty advisor and the director of the Lab for Undergraduate Research in Engineering (LURE) must approve the plan. Prerequisites: senior status, EGNR260 and permission of instructor. Students who plan to take EGNR461 must complete both EGNR460 and EGNR461 in the same academic year.

EGNR461

Engineering Research Project II

(1,3) 2

This is a senior-level course in which students are actively involved in a faculty-supervised and guided research project. Students implement their research plan developed in EGNR460 and lead research efforts. Results and finding must be reported in oral and/or written forms to appropriate constituencies outside the LSSU audience. Prerequisites: EGNR460 and permission of instructor. The dropping or failing of EGNR461 will result in the student having to repeat both EGNR460 and 461.

EGNR490

Special Topics in Engineering: (Topic)

(1-4,0) 1-4

Special studies and/or research in engineering for individuals for small seminar groups. Course content to be arranged with instructor and with approval of the department head. This course may be repeated for a maximum of eight credits.

EGNR491

Engineering Design Project I

(2,3) 3

This course provides students with the skills necessary for successful completion of their design project. Topics include group dynamics, ethics, timelines, resource

allocation, project management and performance evaluations. Skills in oral and written communications, problem conceptualization, creative problem solving and technical presentations are developed. Prerequisites: Permission of instructor on the basis of senior status and expected graduation on or before December of the following calendar year, and one of the following: EGEE320, 370, EGME350 or (EGRS365 and EGMT310). Students who plan to take EGNR495 must complete both EGNR491 and EGNR495 in the same academic year. Coop students must complete EGNR451 prior to enrolling in EGNR491.

EGNR495

Engineering Design Project II

(1,6) 3

A continuation of EGNR491. This course provides students with the skills necessary for successful completion of their design project. Topics include group dynamics, engineering economics, timelines, resource allocation, project management and performance evaluations. Skills in oral and written communications, problem conceptualization, creative problem solving, and technical presentations are developed. Prerequisite: EGNR491. The dropping or failing of EGNR495 will result in the student having to repeat both EGNR491 and 495.

EGNR496

Senior Directed Project

(1,6) 3

This course is designed to allow industrial technology majors the opportunity to implement a project while working collaboratively with engineering and engineering technology students. Students will be expected to use the skills and knowledge from previous course work. Project outcomes should relate to the student's individual areas of study and represent a synthesis of the previous learning under the supervision of a faculty member. Prerequisites: Approval of the department chair, senior status, and expected graduation on or before December of the following calendar year.

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EGRS215

Introduction to Robotics

(1,2) 2

An introduction and orientation to the field of robotics. Challenges in robotics manufacturing, design and structure of robotic systems, classification of robots, robot geometry, power sources, robotic control systems are covered in this course. The lab part of the course will provide an overview of robotics applications in industry through videos and hands-on experiences. Applied laboratory topics will cover basic programming concepts, structures, and applications using industrial robots. Prerequisites: MATH102 or equivalent.

EGRS365

Programmable Logic Controllers

(2,3) 3

An introduction to programmable logic controllers (PLC) with an emphasis on programming of the controller and operator interface. Standard PLC devices (bits, timers, counters etc.) and controller functions dealing with math, compare, moves,

program flow, analog input, and high-speed counters will be covered in the course. Written and oral business communications are an integral part of the course. Co or prerequisites: EGNR265 or EGEE125 or CSCI121 and sophomore status.

EGRS366

Programmable Logic Controllers

(2,2) 3

An introduction to the use of programmable logic controllers (PLC). Basic components of the PLC along with the interface to hydraulic/pneumatic systems and sensors will be discussed. Some higher-level functions such as zone control, master control and sequencers will also be covered. This course will only be offered at the regional sites. It is not a communication-intensive course. Prerequisite: electrical fundamentals course.

EGRS380

Robotics Technology

(2,0) 2

This course will cover topics relative to robotics and robotics systems. Two- and three-dimensional kinematics, end effectors, active and passive collision systems, sensors, feedback devices, robotic safety, and principles of operation of applicable hardware will be studied. Prerequisites: MATH111 and MATH131 with grade of C or better, and PHYS221.

EGRS381

Robotics Technology Lab

(0,3) 1

Laboratory exercises will provide hands-on examples in the use of industrial robots. Focus will be on learning a structured robotics programming language. Applications and projects will simulate industrial situations as well as emphasize system integration. Prerequisites: EGNR265. Corequisite: EGRS380.

EGRS382

Introduction to Robotics Programming

(0,3) 1

The laboratory work will provide an introduction to the use and application of an industrial robot. Programming concepts and structures in the V+ programming language as used in Adept and Staubli robots will be studied. Industry-like applications and system integration projects will be assigned. Prerequisite: EGRS380.

EGRS385

Robotics Engineering

(3,3) 4

An introduction to the field of robotics engineering. Topics include classification of robotic manipulators, accuracy and repeatability, wrists and end-effectors, actuators and sensors, homogeneous transformations, Denavit-Hartenberg convention, forward kinematics, inverse kinematics, trajectory planning and an introduction to velocity kinematics. Laboratory exercises will focus on the operation and programming of industrial robots and robotics simulation using industry standard software. Prerequisites: EGNR265 or CSCI105, and MATH251.

EGRS430

Systems Integration and Machine Vision

(3,3) 4

A study of the theory and application of sensors and machine vision in modern manufacturing systems. Topics will include position sensors, encoders, interface electronics, force and torque sensors, LAN, PLC, electrical noise, machine vision, lighting techniques, control software, feature extraction techniques and robot guidance. Prerequisites: MATH152 or EGNR245, EGNR140, EGRS381 or EGRS385, and EGNR265 or CSCI121.

EGRS435

Automated Manufacturing Systems

(2,3) 3

A study and analysis of the components of an automated manufacturing system. Topics include analysis of flow lines, automated assembly systems, MRP, materials requirement planning, production economics and CIM. Course work will include applications of manufacturing systems software including factory simulation. Laboratory work will focus on systems integration, advanced programming of industrial robots, and flow line automation. Prerequisites: EGRS385.

EGRS460

Control Systems

(3,3) 4

An introduction to the analysis and design of linear feedback control systems. The course will include a study of system modeling, block diagrams, system response, stability, steady state error, bode plots and root locus. Laboratory exercises will develop a student's ability to design feedback systems and quantify system performance. Prerequisites: MATH310, EGEM220 and EGEE210. Pre- or co-requisite: EGNR340.

EGRS461

Design of Control Systems

(3,3) 4

This course builds upon the fundamental control system theory covered in EGRS460 and introduces various control system design techniques. General topics include Bode and root locus design techniques, controllability and observability, optimal control, state space design. Several classical design techniques such as phase-lead, phase-lag, deadbeat, pole placement and PID design are covered. Prerequisite: EGRS460.

EGRS480

Manufacturing Automation

(3,0) 3

Study of the mathematical modeling of production concepts, analysis of automated flow lines, automated assembly systems, production economics, automated guided vehicles and materials requirement planning. Prerequisites: EGRS380, EGRS381 or EGRS382, and MATH112 or MATH151 with a grade of C or better.

EGRS481

Manufacturing Automation Lab

(0,3) 1

The first part of the laboratory work will focus on programming Fanuc robots using the Karel programming language. Industry-like applications and system integration projects will be assigned. The second part of the lab work will include the application of WITNESS discrete-event simulation software package to study and analyze manufacturing systems. Prerequisites: EGNR265 or CSCI121 either with a grade of C or better. Pre or co-requisite: EGRS480.

EGRS482

Automation and Simulation Lab

(0,3) 1

Laboratory work in automation will focus on programming Fanuc robots using the Karel programming language. Industry-like applications and system integration projects will be assigned. Lab work in simulation will include the introduction to a discrete-event manufacturing simulation software package. Several manufacturing systems will be modeled, verified, validated and optimized using the simulation software package. Prerequisite: EGRS480.

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EMED181

First Aid

(0.5,1.5) 1

Basic course in first aid. Theoretical and practical experience in university laboratory.

EMED189

Medical First Responder

(2,3) 3

This course is designed to teach students the principles of basic life support and emergency care. Topics include patient assessment and handling, airway maintenance, cardiopulmonary resuscitation, bandaging, splinting and spinal immobilization. Management of common environmental and medical emergencies will also be addressed. Upon successful completion of the course, students will be eligible to apply for a Michigan Medical First Responder license.

EMED190

Prehospital Emergency Care and Crisis Intervention I

(3,3) 4

Techniques of emergency medical care needed by the emergency medical technician-ambulance attendant. Theoretical and practical experience in administering preliminary emergency care and transportation of sick and injured victims to medical care centers.

EMED191

Prehospital Emergency Care and Crisis Intervention II

(2,6) 4

Simulated practice with some in-hospital observation. Emphasis on laboratory

practice of skills needed for functions of an EMT-A. Prerequisite: EMED190.

EMED211

Emergency Pharmacology I

(2,0) 2

Introduction to emergency pharmacology including sources of drugs, drug laws and regulation, routes of administration, pharmacokinetics and pharmaco-dynamics, dosage calculations and the metric system. Emphasis will be placed on drugs used in the management of cardiovascular emergencies. Prerequisite: math competency or MATH103, and corequisite EMED251.

EMED212

Emergency Pharmacology II

(2,0) 2

Continuation of HLTH211 with an overview of emergency drugs frequently used in the prehospital management of respiratory, endocrine, toxicological, obstetrical and other prehospital emergencies. Administration procedures and dosages for adult and pediatric patients will be covered. Prerequisite: EMED211 with a B- or above.

EMED251

Advanced Emergency Care I

(4,0) 4

Study of prehospital emergencies geared toward rapid intervention and patient stabilization. Introduction to the pre-hospital environment and preparatory information will be covered including medical-legal issues, airway management, parenteral therapy and comprehensive patient assessment. Management of traumatic injury and multiple casualty incidents will be addressed. Prerequisite: admission to Paramedic Technology Program.

EMED252

Advanced Emergency Care II

(4,0) 4

Continuation of EMED251 addressing treatment modalities for environmental, medical, obstetrical and behavioral emergencies in the adult and pediatric patient. Prerequisite: EMED251 with a B- or above.

EMED261

Emergency Cardiology I

(2,0) 2

Introduction to basic cardiac monitoring and dysrhythmia recognition. Review of the anatomy and physiology of the cardiovascular system, principles of electrophysiology, EKG interpretation and dysrhythmia management will be covered. Sinoatrial, junctional and atrial dysrhythmias will be addressed. Corequisite: EMED251.

EMED262

Emergency Cardiology II

(2,0) 2

Continuation of EMED261 with emphasis directed at identification and management

of life-threatening dysrhythmias including ventricular dysrhythmias and heart blocks. Coronary artery disease, myocardial infarction and other cardiovascular emergencies will be addressed, and the course will conclude with ACLS certification. Prerequisite: EMED261 with a B- or above.

EMED271

Prehospital Emergency Pediatrics

(2,0) 2

This course will prepare the Emergency Paramedic to effectively assess and manage the pediatric patient in the emergency setting. Program material will include differentiation between adult and pediatric anatomy and physiology, assessment of the neonatal and pediatric patient, and management of common medical and traumatic conditions experienced by the pediatric patient. Special emphasis will be placed on topic areas including resuscitation skills, pediatric pharmacology, and the special needs of the patient.

EMED284

Advanced Skills and Situations I

(1,6) 3

Advanced skills and procedures discussed in Advanced Emergency Care will be demonstrated and practiced in a laboratory setting. Skills covered will include advanced airway management, parenteral therapy, cardiac monitoring and advanced patient assessment. Simulated patient scenarios will be designed to allow the student to practice these advanced skills in a realistic patient setting. Emphasis will be placed upon strengthening new skills and providing critical thinking opportunities which allow for the integration of theory with practical applications. Prerequisite: admission to the Paramedic Technology Program and corequisite EMED251.

EMED285

Advanced Skills and Situations II

(1,6) 3

Continuation of HLTH284 with an emphasis placed on ACLS and PALS procedures and algorithms. Instructor and peer evaluation will enhance learning, and working in groups will promote the concepts of teamwork and individual leadership. Prerequisite: EMED284 with a B- or above. Corequisite: EMED252.

EMED286

Paramedic Operations

(1,3) 2

This course will prepare the Emergency Paramedic to effectively handle unique situations which may be encountered in the prehospital setting that require highly specialized training. Program material will include managing multiple casualty situations, Medical Incident Command, hazardous materials incidents, rescue awareness and operations and crime scene awareness. Special emphasis will be placed on rescuer safety. Practical skills will include vehicular entry and disentanglement, and basic rescue operations.

EMED297

Paramedic Clinical I

(0,12) 2

Clinical rotations in the hospital emergency department, surgical suite, outpatient surgery and with local EMS agencies designed to provide the student with hands-on practical experience of patient care. Corequisite: EMED251 and permission of the instructor.

EMED298

Paramedic Clinical II

(0,12) 2

Clinical rotations in the hospital emergency department, intensive care unit, obstetrical unit, pediatrics unit and local EMS agencies will provide the student with a continuation of clinical exposure. Additional clinical experience in other areas may be included as the opportunity permits. Prerequisite: EMED297 with a B- or above and concurrent with EMED252.

EMED299

Paramedic Field Internship

(0,21) 4

This course is a field internship designed to prepare the student to function confidently in the role of the Emergency Paramedic in the prehospital setting, upon completion of the didactic, practical and clinical components of the Paramedic Technology Program. It will also provide the student with an opportunity to develop team leadership skills, and improve existing knowledge and practical skills. Emphasis will be placed on developing critical thinking skills and independent leadership ability.

EMED301

National Registry Certification Preparation

(2,0) 2

This course is designed to prepare the Paramedic Student to challenge the National Registry Paramedic Certification Examination upon completion of the didactic, practical and clinical components of the Paramedic Technology Program. It will provide the student with an opportunity to thoroughly review key information in the 8 modules of the National Standard Paramedic Curriculum. Emphasis will also be placed on improving the student's test-taking skills.

EMED490

Independent Study for Emergency Medicine

(1-3,0) 1-3

This may take the form of either a research project or a program of directed reading on a specific subject. One to three credits over a period of one or two semesters may be granted according to the nature of the student's project. May be repeated up to six credits. Prerequisites: Permission of Instructor.

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ENGL091

Prep College Writing

(3,0) 3

This course is designed to give students who have limited experience with writing

an opportunity to increase their confidence as writers, and to improve their command of the written language. The course is appropriate for students who find writing to be difficult or confusing. Students write weekly, with much of the instruction taking place as students learn to revise and edit their own work. Students completing the course will be able to write successful essays that represent complex approaches to different topics. A grade of C or higher is required to pass the course. Credit in this course does not apply toward graduation. All students whose ACT/SAT scores do not place them in ENGL110 must receive credit for ENGL091 before taking ENGL110.

ENGL110
First-Year Composition I
(3,0) 3

ENGL110 provides students with an introduction to the discipline of writing through an exploration of their own writing processes and products. Emphasis is placed on students learning to think critically about their own writing in order to address issues of coherence, grammar, mechanics, organization, clarity and content. Other material covered includes the role of literacy in society, the ways in which readers engage text, and the role of writing at the college level. Prerequisites: English ACT score of 18 or a C or higher in ENGL091.

ENGL111
First-Year Composition II
(3,0) 3

First-Year Composition II prepares students for the complex demands of academic literacy and research. These require students to be able to critically observe personal and public knowledge; ask questions of reading and research; formulate hypotheses; design and conduct research projects, both in the library and in the field; and identify further avenues of inquiry. To help students develop these abilities, the course also teaches students the basic skills of analysis, interpretation, critical thinking and documentation. Required course work includes completion of an extended research project. Prerequisite: a grade of C or higher in ENGL110.

ENGL180
Introduction to Literary Studies
(3,0) 3

This course introduces students to the theory and methodology of literary study, focusing on three questions: What is a literary text? How do we read a literary text? How do we write about a literary text? Addressing these questions requires students to examine the social and cultural contexts of literature and its aesthetic, rhetorical and ideological aspects. These considerations will help students judge literary value and examine their own literary assumptions. Requires one research project and critical essays using MLA style. Prerequisite: ENGL110.

ENGL221
Introduction to Creative Writing
(3,0) 3

Through writing and discussion, students will study and practice introductory elements of drama, fiction, nonfiction, and poetry. Co-requisite ENGL110.

ENGL222
English Grammar & Language in Context

(3,0) 3

This course requires students to master the vocabulary and principles of standard English grammar related to sentence structure and the production of meaning. Students will also analyze and evaluate prescriptive and descriptive conventions of usage, the history and cultural influences of the English language, and its regional and social variations. Prerequisites: A grade of C or higher in ENGL110 and ENGL111.

ENGL223

Creative Writing II

(3,0) 3

Through writing and discussion, students will study and practice intermediate elements of fiction and poetry. Prerequisite: ENGL221.

ENGL231

American Literature I

(3,0) 3

This course is a chronological study of American literature from the colonial writers through the Romantic period, ending with the Civil War. Prerequisite: ENGL180.

ENGL232

American Literature II

(3,0) 3

This course is a chronological study of American literature from the Civil War through the present, covering the Age of Realism and the development of twentieth century literature. Prerequisite: ENGL180.

ENGL233

English Literature I

(3,0) 3

Students will read and discuss selected works from the Old English period to the beginning of the eighteenth century. Emphasis will be placed on major writers and works, evaluated in their historical context. Prerequisite: ENGL180.

ENGL234

English Literature II

(3,0) 3

Students will read and discuss selected works from the eighteenth century to the twentieth century. Emphasis will be placed on major writers and works, evaluated in their historical context. Prerequisite: ENGL180.

ENGL235

Survey of Native Literature of North America

(3,0) 3

Students will examine various types of Native American literatures, including traditional stories, non-fiction, fiction and poetry from authors of numerous different nations. A variety of themes, including Native American identity and the role of culture in literature, will be covered. Corequisite: ENGL111 (also listed as

NATV235).

ENGL236
Literature and Culture
(3,0) 3

Students will examine English-language texts from a variety of cultures, including American minorities and other underrepresented cultures. Students will observe the way in which culture is presented in the texts and how culture can help to shape the texts. Corequisite: ENGL111.

ENGL301
Creative Prose Writing
(3,0) 3

This course is a seminar and workshop for the study and practice of prose fiction, creative non-fiction, and other prose forms. Students will complete a final portfolio. Prerequisite: ENGL223.

ENGL302
Poetry Writing
(3,0) 3

This course is a seminar and workshop for the study and practice of poetry and its various forms. Students will complete a final portfolio. Prerequisite: ENGL223.

ENGL303
Performance Writing
(3,0) 3

This course is a seminar and workshop for the study and practice of writing for performance, which may include plays, film scripts, and other performance genres. Students will complete a final portfolio. Prerequisite: ENGL223.

ENGL306
Technical Writing
(3,0) 3

Technical writing is designed to introduce students to the theory and practice of technical communication. This course incorporates a broad approach, addressing the issues of critical thinking, collaboration, ethics, and the persuasive presentation of technical information in both written documents and oral presentations. The specific documents that will be covered include memos, formal business letters, technical descriptions, short and analytic reports, proposals and formal oral presentations. The central focus of the course will be the completion of a discipline-specific final project, in which the technical communication skills learned during the course will be enhanced. A major goal of this project, and the class, is to introduce students to the demands of their chosen professions, and thereby prepare them for the kinds of disciplined intellectual and practical work they will be required to complete. Prerequisite: ENGL111.

ENGL320
Responding to Writing
(3,0) 3

A course in the theory and practice of effective writing with emphasis on evaluating and responding to writing across the disciplines. Recommended for writing ombudsmen, tutors, education students and other interested students. Course includes rhetorical and linguistic theory, current research on writing as process, theory and practice of responding to student writing, computer-assisted writing and revision, tutorial strategies and characteristics of writing in various disciplines. A strong theoretical framework with student paper examples from interdisciplinary fields.

ENGL335

Children's Literature

(3,0) 3

This course focuses on understanding the historical, cultural, and generic dimensions of children's literature, with emphasis on critical reading, literary analysis, and the selection and evaluation of texts for children and young adults. Pre- corequisites: ENGL111 or COMM101.

ENGL336

Young Adult Literature and Culture

(3,0) 3

This course focuses on understanding the historical, cultural, and generic dimensions of young adult literature, with emphasis on critical reading, literary analysis, and selection and evaluation of culturally diverse texts for children and young adults. Prerequisite: ENGL180.

ENGL345

Studies in Classic Texts

(3,0) 3

Readings in literature, beyond North American traditions, that have possessed profound influence or reach throughout history, including theoretical and critical approaches to these texts, examining form, theme, and genre. Includes classic Greek drama, classic British literature from the Anglo-Saxon period through the twentieth century, Shakespeare, mythology, folklore, and world literature in translation. Prerequisites: ENGL111, ENGL180.

ENGL380

History of Literary Criticism

(3,0) 3

An investigation of the history of critical theory to include classicism, neoclassicism, romanticism, the New Critics and contemporary critical trends. This course prepares students for advanced studies in literature. Prerequisite: Either ENGL233 and ENGL234 or ENGL231 and ENGL232.

ENGL398

Community Workshop Internship

(3) 3

This is an internship designed to provide students with an opportunity to earn credit while obtaining meaningful work experience leading a creative writing community workshop. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. The course may be repeated once for a maximum of 6 credits total. Prerequisite: ENGL223, a 2.50 gpa in the major, and

permission of the instructor.

ENGL399
Publishing Internship

1-2 1-2

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful work experience in English or publishing outside the classroom setting. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. The course may be repeated up to four times at 1-2 credit hours for a maximum of 3 credit hours with each LSSU publication, up to 6 credits total. Prerequisite: 2.5 GPA in major and permission of the instructor.

ENGL409
Advanced Writing Workshop

(3,0) 3

This course is a workshop for advanced level writing in a variety of genres, with an emphasis on students doing sustained work in a chosen genre. Students will complete a final portfolio and projects relating to the writing life and publishing world. Prerequisites: Two courses from: ENGL301, ENGL302, or ENGL303.

ENGL435
Studies in Visual Texts

(3,0) 3

Theoretical and critical approaches to visual texts, with the focus on graphic novels and film, examining form, theme, and genre and the production and interpretation of meaning in visual media. Prerequisites: ENGL111, ENGL180.

ENGL440
Advanced Studies in British Literature

(3,0) 3

Examination, implementing rigorous research and critical methods, of a notable period, genre, aesthetics, or movement in British literature. Prerequisite: ENGL380.

ENGL442
Advanced Studies in American Literature

(3,0) 3

Examination, implementing rigorous research and critical methods, of a notable period, genre, aesthetics, or movement in American literature. Prerequisite: ENGL380.

ENGL450
Directed Individual Study

(3,0) 3

Individual study of an author, period, genre or other related topic relevant to literary scholarship. Each student will do extensive research and prepare a paper. Prerequisite: Permission of instructor.

ENGL480

Creative Writing Portfolio I

(3,0) 3

This is the first in a series of two capstone courses. Working with an English faculty member on an independent study basis, the student will create a proposal for a unified collection of creative work of literary merit in a chosen genre. Upon approval of the proposal, the student will make significant progress toward completion of the creative work. Prerequisites: Creative writing major, senior standing, and ENGL409.

ENGL482

Creative Writing Portfolio II

(3,0) 3

This is the second in a series of two capstone courses. Working with an English faculty member on an independent study basis, the student will complete a unified collection of creative work of literary merit in a chosen genre. Prerequisites: ENGL480.

ENGL490

Senior Thesis I

(2,0) 2

In consultation with an English faculty member, students will gather research and produce a bibliography and research proposal, as well as begin writing the thesis. This course is an independent study. Prerequisites: Literature or English Education major, senior standing, and ENGL380 or EDUC415.

ENGL499

Senior Thesis

(2,0) 2

Completion of the thesis with focus on revising and editing of the final project. This course is an independent study. Prerequisite: ENGL490.

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EVRN131

Introduction to GIS and GPS

(2,2) 3

This course provides a foundation in geographic information systems (GIS) such as data types, cartography, queries, classification, geoprocessing, basic editing, basic raster analysis and map overlay. The theory and operation of GPS receivers and data integration with GIS is covered in multi-week student initiated projects. Prerequisites: None.

EVRN231

Intermediate GIS

(1,3) 2

This course will survey the rapidly growing GIS industry, consider many important principles guiding GIS use and development, and provide the student with hands-on experience. Emphasis will be on geospatial analysis techniques, geodatabase, system design, remote sensing, and provide an introduction to advanced topics.

After successfully completing this course, students should come away with a clear understanding of GIS analyses, the issues affecting how a GIS is used (and misused), how to review GIS research, how GIS research is written, and an appreciation for how GIS can contribute to a wide variety of disciplines and research interests. Prerequisite: EVRN131 or equivalent.

EVRN290

Independent Study in Environmental Science

(1-4,0) 1-4

Special studies and/or research in environmental science for individuals or small seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of school dean. Prerequisites: Students must have an overall GPA of at least 2.5, and no "I" (incomplete) grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the School of Science and Natural Resources.

EVRN311

Environmental Law

(3,0) 3 alternate years

Study of the fundamental concepts of environmental law and ethics. Course includes a survey of the field of environmental ethics and a discussion of ethical issues, a review of the basic legal systems and research techniques, state and federal environmental statutes and codes of conduct for environmental professionals. Extensive use of case studies related to application of environmental law are used to illustrate ethical dilemmas and the approaches for resolving them. Prerequisite: junior standing.

EVRN313

Solid and Hazardous Waste

(3,0) 3 alternate years

Identification and classification of solid and hazardous wastes, including discussion of storage and processing, collection and transportation, resource recovery and recycling and ultimate disposal. Topics on radiation, decay, health effects and sources of hazardous materials will also be covered. Prerequisite: MATH112 or equivalent.

EVRN317

Environmental Health Applications

(3,3) 4

A systems approach addressing the factors that contribute to illness, injury, or death, and that affect the health status of individuals and populations. Topics include: environments within buildings, food sanitation, recreation facilities, personal services, and community noise and control. The laboratory emphasizes methods of measuring and evaluating environmental health risks as well as field experience. Prerequisite: One semester of chemistry and NSCI103 or permission of instructor.

EVRN325

Geospatial Analysis

(2,3) 3 alternate years

A project-centered course incorporating advanced GIS tools, GPS field work, and

data sources for geospatial analysis. This class focuses on a wide range of issues relating to the raster data model, and Digital Elevation Data (DEM) and satellite imagery. The majority of the class will be devoted to 1) surface derivatives including slope, aspect, and drainage; 2) modeling; and 3) error and uncertainty. This is a hands-on course, and the student will use a variety of software tools to experience model development, analysis, and visualization. There will be a semester project and a number of mini-projects. Prerequisites: EVRN131 and a 200 level or higher course in statistics.

EVRN341

Environmental Chemistry

(3,3) 4 alternate years

A study of the environmental chemistry of the hydrosphere, atmosphere, lithosphere, and biosphere, the measurement and remediation of water and air quality problems, the toxicology of water and air pollutants, and the environmental aspects of energy use. Prerequisites: CHEM225, CHEM231. Also listed as CHEM341.

EVRN345

Advanced Spatial Analysis and Statistics

(3,3) 4

Spatial statistics differ from traditional statistics in that space and spatial relationships are an integral and implicit component of analysis. The emphasis in this course is analyzing patterns, mapping clusters and identifying geographics distributions. Specific topics include point pattern analysis, spatial autocorrelation, spatial regression and kriging. Special emphasis will be placed on using the spatial analyst and 3-D analyst extensions tools for ArcGIS. Prerequisites: EVRN131 and a course in statistics.

EVRN355

GIS Programming and Applications

(3,3) 4

This course expands the students' skills regarding object oriented programming and customization of GIS software to extend functionality and automative repetitive tasks. Emphasis will be placed on ArcObjects and object model diagrams. Prerequisites: CSCI105 and EVRN131.

EVRN389

Environmental Research Methods

(2,3) 3

A variety of sampling techniques and laboratory methods are introduced as they relate to the environmental sciences. These methods include sampling, preservation, and analysis of biotic (plankton, fish, benthic invertebrates, DNA, pathogens) and abiotic (water quality, sediments, soil, climate) data. Topics include representative sampling, trace inorganic and organic methods, calibration, selection of analytical methods, QA/QC, data analysis, and cost comparison. This course requires travel over spring break. Prerequisites: CHEM108 and CHEM109 or CHEM116; either NSCI103, NSCI116, BIOL286 or BIOL345; and either MATH207, BUSN211 or BIOL280.

EVRN395

Junior Seminar

(1,0) 1

Literature searching, scientific writing, and oral presentation of scientific data. Students will be expected to listen to presentation of peers enrolled in EVRN/CHEM499 and develop a topic for their senior thesis. Prerequisite: Junior standing. Note: Also listed as CHEM395.

EVRN399

Internship in the Environmental Sciences

1-4 1-4

This course is designed to provide students with an opportunity to earn credit while obtaining meaningful discipline-related work experience outside the classroom setting. Students are expected to spend a minimum of 45 hours in an approved work setting for each credit hour earned. Work hours and activities must be documented daily and approved by both the on-site supervisor and the instructor to receive credit. The course may be repeated for a maximum of four credits. Prerequisite: 2.5 GPA in major, Junior standing and permission of chair at least one semester in advance of registering for the course.

EVRN425

Environmental Systems Analysis

(3,3) 4 alternate years

The basic approach and statistical concerns associated with conducting an environmental analysis, as required for an environmental impact analysis will be integrated with interpretation of data from actual situations. Students will learn how analysis of soil, water, air, plant communities, animal communities and organic tissue analysis can be combined to evaluate the environmental health of a specific site. Discussion of solid, liquid, and hazardous wastes from a macro- and microscopic approach will be included. Prerequisite: CHEM341. Pre- or corequisite: EVRN313.

EVRN450

Laboratory Apprenticeship

(0,3) per credit 1-2

Students will assist in laboratories, learning instructional techniques, under direction of faculty. Course may be repeated for a maximum of two credits. Students must gain approval of the faculty member in charge of the specific laboratory, and the department chair. Credits may be used as EVRN electives.

EVRN465

Geographic Databases and Web-based GIS

(3,3) 4

This course introduces database creation and management systems for GIS and the implementation of interactive map services on the Web. Projects are used to develop the student's skills in Web page design, programming, security and Web page management. Topics include database design, SQL, ArcIMS, mobile GIS, and Map Objects. Emphasis is placed on serving maps using ArcIMS software. Prerequisites: EVRN131 and either EVRN231 or CSCI211.

EVRN490

Independent Study in Environmental Science

(1-4,0) 1-4

Special studies and/or research in environmental science for individuals or small

seminar groups. Course content to be arranged by student(s) and a supervising professor with approval of school dean. Prerequisites: Students must have junior or senior standing, have an overall GPA of at least 2.5, and no "I"(incomplete) grades on their transcript. Independent study courses may be repeated for a maximum of eight credits. Additional information is available at the College of Natural and Mathematical Sciences office.

EVRN495

Senior Project

(0,6) 2

This is a practicum course in which students, under the guidance of a faculty mentor, conduct a scholarly project mutually agreed upon by the student and his/her faculty mentor. This course will be required for a degree certified by the American Chemical Society. This course may not be repeated for credit. Prerequisites: EVRN395 (also listed as CHEM395), and permission of instructor. Dual listed as CHEM495.

EVRN499

Senior Seminar

(1,0) 1

Required for seniors majoring in chemistry/environmental science. Students will present the results of their scholarly research. Students who have completed EVRN495/CHEM495 will be required to give poster and oral presentations to the University community as part of this class. Pre- or corequisite: EVRN395 (dual listed as CHEM495). Dual listed as CHEM499.

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EXER105

Program Development and Leadership

(3,0) 3

Principles of leadership skills and styles are applied to various recreation settings with emphasis on group interaction and face-to-face leading. Programming fundamentals for effective leisure services delivery are explored and implemented. Also listed as RECS105.

EXER140

Health and Fitness

(3,0) 3

Introductory course: Theoretical basics of exercise, diet and nutrition and the wellness lifestyle. Topics include aerobic and musculoskeletal fitness, weight control, stress reduction, alcohol and tobacco abuse and presents principles for promoting a wellness lifestyle.

EXER141

Introduction to Movement

(3,0) 3

This course reviews and applies the pertinent aspects of the prerequisite disciplines of anatomy and physiology. Specific attention will be placed on muscles, bones,

joint structures, and functions as well as the fundamentals of leverage, balance, and \"the feel of the movement\". A detailed understanding of movement description is the most critical element in the student's mastery of the subject matter.

EXER230

Athletic Injury and Illness Prevention

(3,0) 3

This is an introductory class to the field of athletic training. It will provide an overview for the student as to what an athletic trainer does. Topics included will be a history of athletic training, developing conditioning programs, nutrition, protective equipment in sports, the healing process, emergency plans, injury assessment, psychology of injury, environmental conditions and the use of drugs in sports.

EXER232

Athletic Injury and Illness Recognition and Evaluation

(3,0) 3

This class will be a continuation of EXER230. After a general knowledge base is established in EXER230, EXER232 will elaborate on those concepts and extend them to the various extremities of the body as well as the spine and head. Prerequisites: EXER230 and BIOL122.

EXER234

Preventative Taping Techniques

(0,2) 1

To present current and comprehensive taping and wrapping techniques used in athletic training. Prerequisite: EXER232.

EXER248

Psychology of Sport and Performance and Coaching

(3,0) 3

A review of the psychological aspects related to success in sport and athletics. Emphasis will be placed on presenting techniques for improving individual and team athletic performance, as well as consideration of the psychological aspects of coaching. Specific topics will include personality and sport, attention/anxiety/arousal regulation, motivational techniques, the aggression-performance relationship, and the development of team cohesion and leadership.

EXER262

Exercise Physiology I

(3,0) 3

Introduction to biological energy systems and support systems involved in physical activity and exercise. Emphasis on energy system recruitment dynamics, acute and chronic adaptations to training, and applications to programs employing physically based activities. Prerequisites: BIOL121 and CHEM104 or 115.

EXER265

Essentials of Strength Training and Conditioning

(3,0) 3

This course will enable the student to develop knowledge and expertise in the components of sport-related fitness. Specifically, strength training, cardiovascular endurance, flexibility, reaction time, speed and agility will be explored in both traditional and non-traditional sports. Emphasis will be placed on the implementation and measurement of the above sport-related fitness components and the design of a strength training and conditioning program for the purpose of enhancing athletic performance.

EXER268

Fitness Evaluation I: Field Tests

(1,2) 2

Provides theoretical background and measurement concepts specific to field tests employed in exercise science settings. Emphasis on skill, development and interpretation of results relative to normative data. Prerequisites: BIOL121 and EXER140.

EXER275

Nutrition for Sport and Exercise Performance

(2,0) 2

Extends the basic principles of nutrition presented in EXER262 and explicitly details the role of the major nutrients in their application to wellness and fitness settings, as well as athletic performance. Specifically addresses the interaction of diet and exercise in modifying the condition of the individuals with metabolic dysfunction (diabetes, obesity) or compromised cardiovascular health (hypertension, coronary heart disease). Also examines the special nutritional needs of athletes and the effectiveness of ergogenic aids in enhancing sport performance. Prerequisites: BIOL121 and EXER262.

EXER295

Practicum

(1-2,0) 1-2

Practical experiences that explore various types of work setting in exercise science, working under specialist in the various chosen areas of interest. May be repeated for a total of four credits. Prerequisite: Permission of instructor.

EXER301

Athletic Training Clinical Experience I

(0,4) 2

This course requires athletic training students to acquire, practice and demonstrate competency in basic clinical skills necessary to provide healthcare to a physically active population in a variety of clinical settings. Prerequisites: junior status and admission to the Athletic Training Education Program.

EXER302

Athletic Training Clinical Experience II

(0,4) 2

In this course, athletic training students are required to continue acquiring, practicing and demonstrating competency of the basic clinical skills necessary to provide healthcare to a physically active population in a variety of clinical settings. Prerequisites: EXER301 with a grade of C or better.

EXER340

Therapeutic Modalities in Athletic Training

(2,2) 3

This course will introduce the student to the theory and application of physical medicine devices commonly used in athletic training and sports medicine settings. Specific attention will be placed on the use of cryotherapy, thermotherapy, electrotherapy, ultrasound, traction, intermittent compression, and therapeutic massage in caring for physical injuries and illness. This course will focus on determining the most effective therapeutic modality for a given situation and the correct application of the selected therapeutic modality. This course is designed to present the knowledge, skills and values an entry-level certified athletic trainer must possess to plan, implement, document and assess the efficacy of therapeutic modalities in the care of physical injuries and illnesses. Prerequisites: EXER232 and BIOL122.

EXER344

Kinesiology

(3,0) 3

Science of movement applied to muscle, joint structure and function and application of physical laws of gravity, leverage, motion and balance to human performance. Video tape motion analysis is used to apply these theories into practical experience. Prerequisite: EXER141.

EXER346

Therapeutic Exercise in Athletic Training

(2,2) 3

EXER346 will introduce the student to the theory and application of commonly used rehabilitative exercises in the field of athletic training. Students will be introduced to the "10 Goals of Rehabilitation," and will then study the relationship that therapeutic exercise plays in the attainment of each goal. Students will then develop a comprehensive rehabilitation plan that will enable a physically active person to return to activity as safely as possible. Students will be exposed to current surgical techniques and the rehabilitation that is involved. Prerequisite: EXER262.

EXER348

Fitness Evaluation II Laboratory Procedures

(2,2) 3

Provides theoretical background and technical aspects specific to laboratory procedures employed in clinical exercise science settings. Emphasis on developing skills with instrumentation for assessing cardiac activity, respiratory functioning, metabolic dynamics, anthropometer, and administering exercise protocols for diseased populations. Prerequisites: EXER268 and 262.

EXER349

Orthopedic Assessment in Sports Medicine

(3,0) 3

Provides a clear, concise process of physical examination of the spine and extremities which would direct the student in a logical, efficient and thorough search of anatomy relevant to the field of sports medicine. This course will allow the student to continue to build a solid foundation in anatomy specific to orthopedic education. Prerequisites: EXER230 and 232.

EXER358

Research Methods in Exercise Science

(3,0) 3

Introduction to research methods and related statistical procedures for constructing and analyzing research activities. Presentation of statistical concepts including correlation, t-tests and analysis of variance and their use in exercise science. Introduction to measurement concepts of validity and reliability and the facets of writing a research report. Prerequisites: MATH207 and EXER262.

EXER362

Exercise Physiology II

(3,0,) 3

Extends the study of the physiological aspects of exercise by examining advanced topic areas. Specific topics covered are the endocrine system and exercise, effects of exercise on the immune system, exercise and altitude, exercise and thermal stress, as well as exercise physiology concerns of various clinical populations. Prerequisites: BIOL122, CHEM115 and EXER262.

EXER390

Recreation Leader Apprenticeship

(1,0) 1

Practical experience in learning to teach and lead various recreation experiences. Students serve with qualified instructors. Prerequisite: Basic skills and knowledge of activity and instructor permission. May be repeated for a total of three credits.

EXER401

Athletic Training Clinical Experience III

(0,4) 2

In this course, athletic training students continue to demonstrate an integration of risk management skills, assessment skills, and therapeutic rehabilitation skills into the health care of a physically active population in a variety of clinical settings. Prerequisite: EXER302 with a grade of C or better.

EXER402

Athletic Training Clinical Experience IV

(0,4) 2

In this course, athletic training students continue to demonstrate an integration of risk management skills, assessment skills, therapeutic rehabilitation skills and administrative skills into the healthcare of a physically active population in a variety of clinical settings. Prerequisite: EXER401 with a grade of C or better.

EXER428

Psychological Aspects of Exercise and Athletic Rehabilitation

(3,0) 3

The acute and chronic psychological consequences that occur as a result of involvement in physically based activities will be examined as they apply to recreational exercisers and sport enthusiasts, as well as individuals with health problems. Emphasis will be placed on developing an understanding of the theoretical background for specific topic areas and investigating the support for these theories

by examining original research reports on the effects of exercise and rehabilitation on adherence, chronic pain, anxiety, depression and sport injury. Prerequisites: EXER262 and 358.

EXER434

Neurological Basics of Motor Learning

(3,0) 3

An overview of how the neurological system integrates external stimuli and internal processes in the effective control of movement. Introduced are control systems, attention processes, memory, and the role of feedback and practice on motor learning. Prerequisites: BIOL122, EXER344 and 362.

EXER440

Exercise Physiology Seminar

(2,0) 2

Examines current issues in the field and students will prepare and present advanced physiological concepts related to special topics.

EXER442

Electrocardiography in Exercise Science

(2,0) 2

Examines electrophysiological basis of ECG, cardiac anatomy and metabolism responses to rest and exercise. Prerequisite: EXER262 with a C grade or better.

EXER444

Exercise Prescription

(2,0) 2

Provides experience in writing and developing advanced training and conditioning programs for a variety of populations. Process oriented; considers needs analysis and cyclic training.

EXER446

Exercise Prescription and Testing for Special Populations

(3,0) 3

This course provides a framework for developing exercise programs for individuals with disease, disabilities, or special health issues. The course will focus on exercise prescription through management of problems created by disease of the cardiovascular, pulmonary, metabolic, musculoskeletal, neuromuscular, and immunological systems. It includes a review of the basic principles of exercise testing and exercise prescription and builds on that foundation. Also covered are methods for assessment of functional capacity of individuals with the most common health conditions presented to exercise scientists. This course fits with the new Registry for Clinical Exercise Physiologists and the American College of Sports Medicine guidelines and will provide students with the necessary skills and knowledge for employment in a clinical setting. Prerequisites: EXER358 and 444.

EXER450

Philosophy of Human Performance and Leisure

(3,0) 3

A study of the origins and development of leisure behavior, sport, athletics and personal fitness across cultures. Ethical issues such as violence, opportunity, exploitation, role models and equity will be examined. Prerequisites: EXER262 or RECS101 and junior status.

EXER452

Allied Health Administration

(3,0) 3

This course is intended to enhance the administrative ability of allied health professionals. Students will learn to apply current management theories to administrative problems they may face. This will allow entry level allied health professionals the ability to craft creative solutions to administrative problems. Content in this course includes management strategies for the following: Program offerings, finances, human resources, facilities, information, insurance, and legal considerations. Prerequisites: EXER230 and junior standing.

EXER481

Professional Development Seminar

(1,0) 1

Opportunities for students to refine personal and professional goals and initiate preparation of resumes and interviewing skills. Career planning and placement will be emphasized as well as internship evaluation. Seminar format. Prerequisite: Senior status required.

EXER492

Internship

6

Comprehensive practical application of students formal academic preparation. Prerequisite: Junior status and instructor permission.

EXER496

Selected Research Topics

(1-3,0) 1-3

Student carries out approved project(s) of his/her own initiative. Prerequisites: Junior standing and instructor permission.

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FINC242

Personal Finance

(3,0) 3

An introduction to the principles of personal financial planning. Topics include the financial planning process, credit and borrowing fundamentals, analysis of savings, investments and taxes, individual insurance, retirement and estate planning. Prerequisite: MATH086 or equivalent/satisfactory score on ACT or Placement Exam.

FINC245

Principles of Finance

(3,0) 3

An introduction to the principles of business finance. Topics include math of finance, working capital management, financial planning and forecasting, debt and leasing, common and preferred stock, leverage and capital structure, capital budgeting, cost of capital. Students with credit in FINC341 may not enroll in this course. Prerequisites: ACTG132, 230, or OFFC119, and MATH086 or equivalent/satisfactory score on ACT or Placement Exam.

FINC248
Real Estate
(3,0) 3

A study of the basic principles of real estate practice. Coverage includes broker-agent relationships, real estate marketing, real estate law, financing, appraising, taxation and math. Prerequisite: MATH086 or equivalent/satisfactory score on ACT or Placement Exam.

FINC341
Managerial Finance
(4,0) 4

The nature and scope of financial management including math of finance, financing instruments, leverage and capital structure, financial planning and forecasting, risk and return analysis, capital budgeting. Prerequisites: ACTG133 and MATH111.

FINC443
Insurance
(4,0) 4

A study of the financial, legal and social aspects of the insurance industry with emphasis on risk and actuarial analysis, insurance institutions and operations, insurance contracts and policies including life, annuity, health, property, liability, group, business and governmental coverages. Financial planning worksheets are utilized to appropriate policy selection. Prerequisites: BUSN350 and MATH086 or equivalent/satisfactory score on ACT or Placement Exam.

FINC446
Financial Analysis and Policy
(4,0) 4

An analytical study of long- and short-term financial policy and strategy through case problems. Selected readings in financial theory supplement the case studies. Prerequisite: FINC341.

FINC448
Investment Strategy
(4,0) 4

A study of investment media and securities markets, risk and return analysis, valuation theory, portfolio construction and investment mechanics. Prerequisite: FINC341.

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FINE405

Independent Project

(3,0) 3

Under the direction of an appropriate supervisor, the student will design and execute a scholarly (academic/creative) or practical (business/management) project related to an artistic discipline. The project will culminate in a relevant performance, works of art, composition, paper, presentation, or other appropriate product.

Prerequisites: Instructor approval. This course may be repeated once for a total of six credits.

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FIRE101

Introduction to Fire Science

(3,0) 3

Survey of the history and philosophy of fire protection. Examines present fire protection problems and future challenges, public fire protection agencies, firefighting equipment and extinguishing agents. Special emphasis is placed on emergency responders' safety and hazardous material recognition.

FIRE102

Wildland and Rural Fire Control

(3,0) 3

Class will provide the theory and practical instruction necessary to manage and control wildland fires. Prevention, back burns, grid references, fuels, firefighting methods and tactics are covered in the course. Select students may earn their "red card" which provides United States Forest Service certification.

FIRE111

Hazardous Materials

(3,0) 3

Principles of combustion; examination of theoretical and practical aspects of combustion. Investigation of physical and chemical properties of substances which may harm responders, the general public and the environment.

FIRE197

Physical Fitness for Public Safety

(0,3) 1

This course provides physical fitness and skills necessary for the law enforcement and fire science certification students. Fire science students take the course semester before FIRE220.

FIRE201

Fire Protection Construction Concepts

(3,0) 3

Impact of building construction concepts and methods on firefighting tactics and strategy, decision making and safety. Presentation of the ramifications of hostile fire on construction and building materials.

FIRE204

Fire Protection Hydraulics and Pumps

(3,0) 3

The application of mathematics and physics laws to properties of water, force, pressure and flow velocities. Emphasis: Applying principles of hydraulics to fire protection problems, use of water supply sources and needs; examines fire department apparatus testing, inspection and maintenance; deals with apparatus specifications and requirements. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam and FIRE101 or FIRE102, or BIOL102 or BIOL140 or BIOL286 as a pre- or corequisite.

FIRE206

Fire Protection Systems, Equipment and Industrial Fire Protection

(3,0) 3

Use and water supply needs of sprinkler and stand pipe systems and devices, fixed detection and control systems and devices, fire department testing, inspection and maintenance. Alarm centers, warning devices and safety considerations are covered along with fire flow calculations and risk assessment. Examination of fire and lifestyle hazards in business and industry. Emphasis on managing fire prevention and training private fire brigades. Prerequisites: FIRE101, FIRE111, FIRE204 and MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

FIRE211

Tactics and Strategy

(3,0) 3

Utilization of manpower, equipment and apparatus on the fireground. Emphasis: Pre-fire planning, fire ground decision making. Implementing tactics and disaster planning. Students will use fire simulation programs and interactive technology to apply and implement the principles covered in didactic instruction. Prerequisite: Either FIRE101 or 102 and 204 as a pre- or corequisite.

FIRE219

Firefighter Essentials

(3,0) 3

This course is the first part of a two class sequence; the second part of the sequence is FIRE220. This course will cover the principles of firefighting attack skills through the practical instruction and exercises as outlined by the Michigan Firefighters Training Council (MFFTC). This course introduces the student to the application of the principles of fire attack and strategy for Firefighter I certificate and portions of Firefighter II through the use of exercises and computer-generated simulations. Hazmat incident analysis and other major disaster case studies are used in this class. Prerequisites: FIRE101 and 111. Corequisites: FIRE197, 204, and 206. Completion of special medical examination.

FIRE220

Fire Science Certification

(3,3) 4

An application of the principles of fire attack and strategy through the use of exercises and computer-generated simulations. Hazmat incident analysis and other

major disaster case studies are used in this class. Prerequisites: FIRE101, FIRE111, FIRE197 and FIRE204. Corequisites: FIRE206 and FIRE211. Completion of specialized medical examination.

FIRE301

Code Enforcement Inspection and Fire Prevention

(3,0) 3

An introduction to fire inspection procedures and inspection techniques as related to building construction, fire load, fire protection systems, plans and the storage of hazardous materials. A study of safety code enactment, formulations and its relation to fire prevention and public education efforts and responsibilities of the fire service. Prerequisites: FIRE111, FIRE206 and Junior Standing.

FIRE309

Fire-Related Human Behavior

(3,0) 3

This course will provide students the knowledge to understand how humans behave in fire and emergency situations, and how that behavior is integrated into life safety systems development and design. Students will study past and present research on human behavior, life safety models, building design, and life safety education. Students will develop an understanding how to analyze possible outcomes as it relates to human survivability in fire and emergency situations. Pre- or Co-requisites: FIRE101, FIRE206, and FIRE301, or permission of instructor.

FIRE312

Hazardous Materials Management

(3,3) 4

Covers requirements of federal law dealing with hazardous incidents, waste management with reference to OSHA, NIOSH, NFPA, and ACGIH standards. This class can certify select students at the level of general hazard awareness, emergency response operations, and hazardous waste worker. Prerequisites: FIRE111 or CHEM116 and junior standing.

FIRE315

Company Level Supervision and Management

(3,0) 3

This course is intended to provide a comprehensive overview of supervision and administration skills necessary to function as a company officer, which would include but not be limited to planning, budgeting, time management, training, emergency incident command, and facility maintenance and care. Pre- or corequisites: FIRE101, FIRE111, FIRE204, FIRE206 and FIRE211.

FIRE325

Homeland Security and Emergency Services

(3,0) 3

This course will prepare all graduates from a variety of majors to understand how homeland security impacts the US political system as a whole, but especially from the standpoint of emergency response and preparedness. Investigates the impact of the federal, homeland security apparatus on emergency response organizations at the state and local level. Includes a historical review of "homeland security" measures beginning in WWI and through WWII and the Korean War. Especially

reviews the security situation during the Cold War. The course deals with the federal agencies usually not associated with homeland security, such as DEA, ATF, the military departments, FAA, CDC, the National Guard Bureau, and the DOD.

Prerequisite: Junior standing. Students from other majors are encouraged to enroll with permission of instructor. Also listed as CJUS325.

FIRE401

Senior Seminar

(3,0) 3

Seminar and independent study course with individual student guidance by faculty on selected research topics in fire science. Prerequisites: Senior standing.

FIRE402

Fire Service and the Law

(3,0) 3

Capstone course. Introduces the judicial system in which the fire service operates. Covers civil action, liability, labor, prevention, safety (OSHA), and environmental law. Prerequisite: Senior level standing.

FIRE403

Fire Science Internship

3-9

Fire science internship with an agency. Credit is based on 34 hours of field work per credit hour. Students must make application by the ninth week of the previous semester. Prerequisites: FIRE220 and senior standing.

FIRE490

Independent Study for Fire Science

(1-4) 4

This may take the form of either a research project or a program of directed reading on a specific subject. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. May be repeated up to six credits. Prerequisite: Permission of instructor.

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FREN151

First Year French I

(4,0) 4

An introductory course designed to develop the four basic language skills of understanding, reading, speaking and writing, as well as the fundamentals of grammar. A conversational and cultural approach based on everyday life situations from the Francophone world. Basic information in English with progressive emphasis put on the use of French in class.

FREN152

First Year French II

(4,0) 4

Continuation of FREN151 with further acquisition of syntax, grammar and culture with increased emphasis on speaking, reading and writing. As course progresses and the use of French becomes almost dominant in class, basic conversation and composition practice based on increased cultural awareness becomes more elaborate and refined. Prerequisite: FREN151 or equivalent.

FREN251

Second Year French I

(4,0) 4

A course designed to help students further and complete their mastery of basic spoken and written French. Review and completion of grammar information. Systemic conversation practice based on more-advanced readings dealing with current social issues within a broad historical and cultural context, as well as a more-elaborate practice of composition writing. Course largely taught in French. Prerequisite: FREN152 or equivalent.

FREN252

Second Year French II

(4,0) 4

Continuation of FREN251 with further emphasis on oral presentations, general conversation practice and writing of compositions, essays, reports and letters. Development of a more mature use of syntax, grammar and idioms within a broader cultural context which includes a first approach to French literature. Initiation to the basic principles of translation and interpretation. Course almost completely taught in French. Prerequisite: FREN251 or equivalent.

FREN351

Advanced Conversation and Composition I

(3,0) 3

Extensive reading, debating and writing related to contemporary issues within the Francophone world as they are expressed in books, films, newspapers and television. Further practice of translation and interpretation. Preparation to the examination for the DELF (Dilome Elementaire de Langue Francaise) of the French Ministry of Education. Prerequisite: FREN252 or equivalent.

FREN352

Advanced Conversation and Composition II

(3,0) 3

Continuation of FREN351 and systemic practice to the examination for the DELF. Prerequisite: FREN351 or equivalent.

FREN353

Business French I

(3,0) 3

An initiation into the language skills for use in business situations in a French-speaking environment. A conversational approach is used with systematic oral and written practice from authentic documents. Preparation to the examination leading to the Certificat Pratique from the Chamber of Commerce of Paris. May be taken concurrently with FREN351. Prerequisite: FREN252 or equivalent.

FREN354

Business French II

(3,0) 3

Continuation of FREN353. Aims to bring students to a level of proficiency in French business communication that would enable them to function in an internship situation. Visits to French-speaking companies. Further preparation to the examination leading to the Certificat Pratique from the Chamber of Commerce of Paris. May be taken concurrently with FREN352. Prerequisite: FREN353 or equivalent.

FREN355

Survey of French Literature I

(3,0) 3

A chronological study of French literature from its origins to the 18th century. Emphasis on the development and continuity of ideas and their evaluation within the political, social and religious framework of the time, their influence on evolution of language and literature. Text analysis and discussion. May be taken concurrently with FREN351. Prerequisite: FREN252 or equivalent.

FREN356

Survey of French Literature II

(3,0) 3

Continuation of FREN355. Study of major works of French literature of the 19th and 20th centuries. Text analysis and discussion. May be taken concurrently with FREN352. Prerequisite: FREN252 or equivalent.

FREN360

French Cultural Perspectives

(4,0) 4

This course takes place in France as students participate in a study tour with their instructor. They discover Paris, its monuments, art galleries, museums and libraries; visit ancient Roman vestiges, cathedrals of the Middle Ages and chateaux of the Renaissance, as well as actively participate in French everyday life. However, alternate on-campus version of this course on contemporary French society and culture is offered to students who do not wish to travel to France. Extensive literary, historical and audio-visual documentation provide material for stimulation analysis and discussion of typical French value orientations, family structures, educational, and cultural institutions. Assignments in French or English. Offered summers only. No prerequisite.

FREN370

The Francophone World I

(4,0) 4

This course conducted in English is designed to provide information and help understand the people of French-speaking Africa, French West Indies, South-East Asia and Polynesian Islands. It consists in a study of colonial and post-colonial history, culture and society in these different parts of the world. Participation of native guest speakers with extensive use of audio-visual materials will richly enhance participation and discussion. Prerequisite: junior standing.

FREN460

Directed Academic and Cultural Immersion

(6,1) 6

This multi-faceted course, which takes place in a French-speaking environment, allows students to reach oral and written fluency in language as well as advanced knowledge in a broad variety of areas directly related to French life and civilization. Upon completion of a specific number of courses chosen in consultation with their advisor, students will be granted upper division credits towards completion of their major requirements. Prerequisite: completion of two 300-level French courses at LSSU.

FREN490

Independent Study in French

(1-4)

Independent research or directed study under the supervision of a faculty member. May be repeated for a total of eight credits. Prerequisite: permission of instructor.

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GEOG106

Physical Geography: Landforms

(3,2) 4

Introduction to the description and distribution of landforms with emphasis on lithospheric, hydrospheric and atmospheric relationships. Natural (physical) science credit given. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam. Credit for both GEOG106 and NSCI107 not permitted.

GEOG108

Physical Geography: Meteorology & Climatology

(3,2) 4

Introduction to earth-sun relationships, maps and elementary principles of atmospheric science. Natural (physical) science credit given. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam. Credit for both GEOG108 and NSCI105 not permitted.

GEOG201

World Regional Geography

(4,0) 4 alternate years

A study of the physical environment, resources, past and present economic development, population distribution and historical development of Europe, Asia, the Islamic Middle East and North Africa, Sub-Saharan Africa, Latin America and North America.

GEOG302

Economic Geography

(4,0) 4 alternate years

A study of the internal and external inter-relationships of the various economic groupings of the world; i.e. North America, Europe and the emerging third world.

GEOG306

Cultural Geography

(3,0) 3

A study of the relationship of environment, culture and adaptive patterns; i.e., socio-economic development. A special emphasis will be placed upon the current problems associated with food supplies, shortages and third world development.

GEOG322

Geography of South America, Central America and the Caribbean Region

(4,0) 4 alternate years

The study of the geographical features and cultural history of the major regions in South America, Central America and the Caribbean with special concern for their 20th century development. Prerequisite: Junior standing.

GEOG323

Geography of East and Southeast Asia

(4,0) 4 alternate years

The study of the geography of Japan, China, Korea, Southeast Asia and India with special emphasis on the impact of the major religions, regional rivalries and 20th century development. Prerequisite: Junior standing.

GEOG490

Independent Study in Geography

(1-4) 1-4

Special topics such as regional, historical, economic, urban, cultural or physical geography. Prerequisites: Junior standing and permission of instructor. May be repeated up to a total of 12 credits.

GEOG492

Individualized Studies in Geography

(2-4,0) 2-4

This is designed to provide an opportunity for specialized study of issues, problems and selected topics in geography. Prerequisite: Junior standing and permission of instructor.

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GEOL115

Field Excursions in Earth Science

(2,4) 4

A field- and project-based educational experience in which aspects of geology, including environmental geology, earth resources, tectonic processes and the interrelationships among geology and other natural sciences, will be addressed. Travel destinations will include regions with unique natural history. Credit can be earned for only one of NSCI102, GEOL115 and GEOL121.

GEOL121

Physical and Historical Geology I

(3,2) 4

The study of processes and features of the rocks and surficial materials that form the Earth's crust. Emphasis will be placed on the dynamic earth including volcanoes, plate tectonics, geologic time, catastrophic events such as earthquakes, and natural resources and their impact on society. The class requires student projects and emphasizes active problem-solving. Laboratory exercises involve minerals, rocks, topographic and geologic maps. Credit can be earned for only one of NSCI102, GEOL115 and GEOL121.

GEOL122

Physical and Historical Geology II

(3,2) 4

The study of surficial processes and landforms in the context of their historical perspective. Emphasis will be placed on evolution of the earth; stratigraphic principles, tectonic framework of North America; landforms and depositional environments; climate, weathering, surficial processes, and sea level changes; and significant events in the history of plants and animals. Laboratory exercises involve geologic maps, invertebrate paleontology, and surficial processes including environmental applications. Pre- or corequisites: GEOL121 or NSCI102 or GEOL115.

GEOL223

Mineralogy and Petrology

(3,6) 5

A laboratory course emphasizing hand-sample techniques for identification of minerals and rocks. Major topics include: physical properties, crystalline structure, and chemical composition of minerals, classification of minerals and rocks; origins of igneous, sedimentary and metamorphic rocks; plate tectonic occurrence of minerals and rock assemblages; and societal and economic significance of minerals and rocks. Prerequisite: GEOL121 or NSCI102. Pre- or corequisites: GEOL122 and CHEM115.

GEOL290

Independent Study in Geology

(1-4,0) 1-4

Special studies and/or research in geology for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the school chair. This course may be repeated for a maximum of eight credits. Prerequisite: Sophomore standing or higher.

GEOL308

Structural Geology Systems

(3,6) 5

A study of the deformation of the Earth through a project-centered approach that focuses on actual tectonic problems. Emphasis will be placed on descriptive, kinematic and dynamic analysis of geologic structures, deformation mechanisms and the evolution of each in the context of the regional and global geology. Day and/or weekend field excursions may be required. Prerequisite: GEOL122.

GEOL315

Geoenvironmental Systems

(3,6) 5 alternate years

The study of environmental issues in a geological context through local and regional field projects. Projects will examine issues such as flooding, shoreline erosion, slope stability, groundwater resources and contamination, and the environmental impact of mineral and energy resource extraction. Emphasis will be placed on the evaluation of environmental issues through the application of geological and geophysical field data such as collecting and analyzing sediments, bedrock and sediment mapping, and well log analysis. Prerequisites: GEOL218 and GEOL223.

GEOL323

Geochemical Systems

(2,6) 4 alternate years

The study of high-temperature igneous, metamorphic, and hydrothermal processes in the context of their global tectonic settings. Topics include the origin and evolution of magmas, igneous crystallization and emplacement processes, hydrothermal reactions and ore deposits, the thermodynamics of metamorphic reactions, and tectonic environments in which these processes occur. A pre-semester one-week field trip and weekend field trips may be required. Prerequisites: GEOL218 and GEOL223.

GEOL325

Clastic Systems

(2,6) 4 alternate years

The study and interpretation of siliciclastic sediments and environments based on stratigraphic principles. Topics include clastic transport and fluid flow, sedimentary structures, lithostratigraphy, facies recognition and relationships, depositional models, diagenesis, stratigraphic diagrams and maps, and tectonics and sedimentation. A pre-semester one-week field trip and weekend field trips may be required. Prerequisites: GEOL218 and GEOL223.

GEOL380

Introduction to Field Geology

(0,9) 3

Introduction to field methods in geology including measurement of sections, mapping techniques, and field interpretation of outcrops. A variety of geologic provinces and environments will be examined. A supply and travel fee will be charged. Prerequisites: GEOL218 and GEOL223.

GEOL410

Engineering Geology

(3,2) 4

This course examines rock types and stratigraphy, geological structures, surface processes, earth materials and methods of geological investigation in the context of behavior of soils and rocks as related to planning and construction. The course includes coverage of in-situ investigations including shallow geophysical methods and emphasizes environmental applications and concerns. Prerequisites: MATH112 or 151, CSCI101 or 111, PHYS221 or 231.

GEOL411

Hydrologic Systems: Surface and Groundwater

(3,3) 4 alternate years

The study of hydrologic systems with an emphasis on land surface and groundwater hydrology. Topics include global climate and the hydrologic cycle, precipitation, snow processes, soil water flow, evapotranspiration, groundwater flow, groundwater-surface interactions, and steam hydraulics. Laboratory components will provide experience in hydrologic field techniques, numerical modeling, and independent research. Prerequisites: PHYS221 or 231.

GEOL431
Geophysical Systems
(3,6) 5 alternate years

The study of geologic, geophysical, and environmental problems using magnetic, electromagnetic, resistivity, gravity, and seismic geophysical techniques. Projects will involve geophysical and geologic survey design, data collection, data processing, and data interpretation and will require the integration of geophysical and geological data to solve problems. A pre-semester one-week field trip and weekend field trips may be required. Prerequisite: GEOL218. Pre- or corequisites: MATH112 or MATH151 and PHYS221 or PHYS231.

GEOL445
Carbonate Systems
(3,6) 5 alternate years

The study and interpretation of carbonate sediments and environments based on stratigraphic principles. Topics include biostratigraphy, facies characteristics and relationships, depositional models, diagenesis, stratigraphic diagrams and maps, and invertebrate paleontology. Weekend field trips may be required. Prerequisites: GEOL122, GEOL218 and one GEOL course at the 300 level or above.

GEOL450
Geology Seminar I
(1,3) 2 alternate years

Study, discussion, and laboratory experience in specialized topics in geology. Students will collect and compile information, write papers, make presentations, and lead discussions. Prerequisite: Two GEOL courses at the 300 level or above.

GEOL451
Geology Seminar II
(1,3) 2 alternate years

Study, discussion, and laboratory experience in specialized topics in geology. Students will collect and compile information, write papers, make presentations, and lead discussions. Prerequisite: Two GEOL courses at the 300 level or above.

GEOL468
Tectonic Systems
(3,6) 5

Study of tectonic process and how these processes affect the earth and its evolution with time. A variety of modern and ancient tectonic settings will be studied through projects and case studies. The deformational, geochemical, sedimentological and geophysical characteristics of individual tectonic settings will be evaluated and their evolution with time will be analyzed. Weekend and/or weeklong field trips may be required. Prerequisites: GEOL223 and GEOL308.

GEOL480

Advanced Field Geology

(0,9) 3 alternate years

Three weeks of advanced field methods in geology including field mapping of deformed rocks, construction of cross sections, and interpretation of depositional and deformational histories. A variety of geologic provinces and environments will be examined. A supply and travel fee will be charged. Prerequisites: GEOL380 and one additional GEOL course at the 300 level or above.

GEOL490

Research Topics in Geology

(1-4,0) 1-4

Special studies and/or research in geology for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the school chair. This course may be repeated for a maximum of eight credits. Prerequisites: Junior standing or higher.

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HIST101

History of World Civilization I

(4,0) 4 fall

A study of world civilization from earliest time through the baroque.

HIST102

History of World Civilization II

(4,0) 4 spring

A study of world civilization from the baroque to the present.

HIST131

United States History I

(4,0) 4 fall

A study of United States history from the colonial settlement to the end of the American Civil War in 1865.

HIST132

United States History II

(4,0) 4 spring

A study of United States history from the end of the Civil War to the present.

HIST203

Chinese Cultural Diversity

(3,0) 3 summer

Designed for students interested in the diversity of Chinese culture and study abroad. Taught in English and offered at a partner university in China during the

first summer session. This four-week course explores, but is not limited to, the traditional social values, classes, divergences, ethnicity, religion, and gender issues characteristic of Chinese culture. The course is conducted in a lecture format with class discussions and guided field trips.

HIST231

Natives and Newcomers

(3,0) 3

This course is an introduction to the encounters between Native Americans, Europeans, and Africans in North America from the late fifteenth century to the mid-eighteenth century. Students will gain a working knowledge on how these encounters generated a variety of cultural, economic, religious, political, social, and military interactions. No Prerequisites or Co-requisites required.

HIST250

The Atlantic World

(3,0) 3

From the late 15th through the 18th centuries, the continents bordering the Atlantic Ocean were thrust into interaction. Europeans, Africans, and indigenous peoples negotiated diverse new societies through both confrontation and cooperation. This course explores interconnections through histories of Europe, Africa, North America, and the Caribbean, demonstrating the associations between peoples and nations within a global context. Prerequisite: HIST101 or HIST131. Spring odd-numbered years.

HIST296

Historical Methods

(2,0) 2

Survey emphasizing research aids and techniques and historical analysis. Readings, discussions and written exercises introduce students to problems, methods and techniques of historical research. Discussion of and practice in main techniques of historical method, including bibliography and documentation. Prerequisites: HIST101/HIST102 sequence or HIST131/HIST132 sequence. Fall.

HIST301

History of England: 1000 to 1714

(4,0) 4 on demand

These 700 years witness the formation and maturing of most of the important political and social institutions that have come to be the Anglo-Saxon civilization and tradition. This period is critical to understanding present-day American culture and civilization.

HIST302

England in the Modern World

(4,0) 4 spring, even-numbered years

A history of England from 1715 to the present, emphasizing the struggle for parliamentary government, the Anglo-French conflict for commercial and colonial empire, the Industrial Revolution, the evolution of democracy and the recession of the British Empire.

HIST310

Russia: From Under-developed State to Superpower

(4,0) 4 fall, odd-numbered years

A study of Russian history from Peter the Great to the present.

HIST315

Europe From Napoleon to World War I

(4,0) 4 fall, even-numbered years

A study in the political and economic history of Europe in the period 1789-1914.

HIST316

Europe in the 20th Century

(4,0) 4 spring, odd-numbered years

A study of Europe in the age of Nazism, Communism, World War I and II, and the Common Market.

HIST321

History of Michigan

(2,0) 2

The History of Michigan is a survey course that will include an examination of the geology, geography, and history of the state. This course will also study the role of citizens, events, issues, and their impact on the development of Michigan as well as the larger developments in the United States during the Jacksonian Period, the Civil War Period, the Period of Rapid Industrialization and Urbanization, the Period of 1914 to 1945, the Period 1950 to the Present, the Period of Industrial Expansion and Decline, and the Post-Vietnam War Period of Globalization. The major political, economic, social, and cultural movements and developments of these historic periods will be examined.

HIST333

American Military History

(4,0) 4

This is a survey of military history that will study the inter-relationships of warfare and society in American history. It will not only investigate how political and societal changes have influenced the nature of warfare in American history, but how the composition of the military establishment and its transformations has impacted state and society.

HIST361

Latin America

(4,0) 4 Fall, even-numbered years

A study and analysis of Latin American history from the end of the Colonial Period to the present. This course will examine the basic political, social and religious institutions of Latin America and their evolution and the role in the change of problems of U.S.-Latin American relations will be an important focus of this study. Prerequisite: GEOG322 geography of South America.

HIST371

Far East Civilization: 1850 to Present

(4,0) 4 Odd numbered years

A study of the history of China, Japan, India and adjoining areas of Asia from 1850 to present.

HIST440
American Revolutionary Era
(3,0) 3

This course examines the diversity of Colonial America in the mid 18th century. It traces the challenges faced by the British colonies in the French and Indian War, the emergence of political unity and national identity among Americans, and the achievement of American independence by 1783. Prerequisite: HIST101 and HIST102 sequence or HIST131 and HIST132 sequence; HIST296; or instructor permission.

HIST441
History of American Foreign Policy, 1776-1950
(3,0) 3

This course examines US Foreign Policy from 1776 to 1950, with some consideration to the 1607-1776 era. The course investigates US conduct in war and diplomacy, issues of cultural contact, impact of domestic politics on foreign policymaking, the organization political economy, and problems of American Imperialism. Prerequisite or Co-requisite of the HIST131, HIST132 sequence or POLI110.

HIST490
Individual Historical Research
(0,1-4) 1-4 On Demand

Independent study under supervision of history faculty. May be repeated up to a total of six credits. Does not apply toward 300- or 400-level requirements in history. Prerequisite: Permission of the supervising faculty.

HIST497
Senior Seminar in History
(0-6) 2 Spring

Students will complete a historical research project under the supervision of a faculty member; at end of term participants make oral presentation at seminar for other students and invited guests, and submit the final paper. Prerequisite: HIST496 and instructor permission.

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HLTH101
Introduction to Medical Terminology
(2,0) 2

This course introduces the beginning student to basic medical terminology related to all areas of health care. The focus of this course is on understanding and proper usage of medical language.

HLTH104
Nutrition for Early Childhood

(3,0) 3 alternate years

Introduction to the function and metabolism of nutrients with special emphasis on the relationship between nutrition and childhood growth and development between 0-8. Lectures, discussion and community-based assignments will relate the body systems to the child's nutritional status, review recent developments in nutrition as they relate to childhood development, and provide basic nutrition education principles for adaptation in community settings.

HLTH185

Basic Health Care Skills

(1,3) 2

The purpose of this course is to introduce the student to basic health care skills. Student learning will include basic concepts and skills related to medical and surgical asepsis, total hygiene, mobility, body mechanics, patient safety, phlebotomy skills, and earn a certificate in mental health first aid. Prerequisite: HLTH101.

HLTH208

Principles of Human Nutrition

(3,0) 3

Fundamentals of human nutrition and nutrition therapy are presented in relation to human body function in wellness and illness. With a special focus across the lifespan, content from this course begins to build a foundation for the interpretation of diet regimes and diet formulations for patients with nutritional needs. This course is required for all nursing students. Prerequisites: BIOL122 or BIOL105 with a grade of C or better.

HLTH209

Pharmacology

(3,0) 3

Study of basic concepts of pharmacology and their relationships to health care. Drug metabolic processes are described providing foundation for clinical judgments about drug actions, reactions and interactions. Prerequisites: BIOL122 or 105 and CHEM105.

HLTH210

Introduction to Health Care Concepts and Issues

(3,0) 3

This course is an introduction to the health care system with analysis of the issues and trends affecting the provision of health care services. Health care topics reviewed will include both local and global issues. Required course for environmental health and healthcare and administration; may also be used as an elective course. Material supports accreditation criteria for environmental health. Prerequisite: Sophomore standing.

HLTH232

Pathophysiology

(3,0) 3

Study of physiological alterations in the body which disrupt homeostasis. Integrates anatomy, physiology and biochemistry into framework for studying disease. Core

content provides understanding of mechanism and principles of disruptions of health. Emphasis on clinical correlations and physiological basis for common disorders. Prerequisite: BIOL122.

HLTH235

Healthcare Informatics

(2,0) 2

The purpose of this course is to gain a basic understanding of nursing informatics and its application to education, research and practice in health care professions. Topics include computer literacy skills, information literacy, and overall informatics competencies. Competencies taught will meet the American Nurses Association Scope and Standards of Nursing Informatics Practice (ANA, 2001) for beginning nurses. Prerequisites: Admission into Nursing program and basic computer skills.

HLTH328

Multicultural Approaches to Health Care

(3,0) 3

This course explores values, beliefs and practices related to health behaviors in a variety of culturally diverse groups. Methods for fostering culturally sensitive care are explored. Content includes communication, biological and nutritional considerations, assessment techniques and alternative/complementary health practices. Prerequisite: SOCY101. Also listed as NURS328.

HLTH329

Women's Health Issues

(2,0) 2

This course explores the diverse health needs of women across the life span. Students are encouraged to take an active participation in identifying topics of interest. Social, cultural, political, economic, legal and ethical issues are analyzed for their influences on women's health and the health care women receive. Prerequisite: SOCY101.

HLTH330

Applied Nutrition

(2,0) 2 alternate years

Application of nutrition principles in health care; obesity, anorexia nervosa and bulimia; emphasis on gathering information and relevant objective measurements (anthropometric, biochemical) for use in developing nutritional care plans. Prerequisite: HLTH208.

HLTH352

Health Issues of Aging Populations

(3,0) 3

This course is designed to assist students from a variety of disciplines to gain a greater understanding of health-related issues that are associated with advancing age. In addition to exploring physiological and psychological changes experienced by our elderly clients, students will learn how they can adapt their work strategies to work more effectively for the elderly clients that they serve. Prerequisite: PSYC155 and junior level status. Also listed as NURS352.

HLTH452

Contemporary Issues in Nutrition

(3,0) 3 alternate years

Utilizing an epidemiological frame, students will learn how to research current issues and topics in nutrition for closer examination and discussion. Nutritional trends and topics such as nutraceuticals, nutrigenomics, functional foods, supplements, herbs, and advertised dietary approaches aimed at promoting wellness and health will be explored in-depth and analyzed. Prerequisites: BIOL122, CHEM105, HLTH104, 108, 208 and EXER275.

HLTH490

Independent Study in Health

(1-4,0) 1-4

Individual investigation of topics tailored to student interest and need. Prerequisites: Junior or senior standing and instructor permission.

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HONR101

Honors First-Year Seminar (variable topics)

(1-2,0) 1-2

An intensive reading/discussion seminar of selected topics from any discipline of special interest to first-years honors students. An interdisciplinary focus is encouraged as well as the inclusion of active learning strategies that promote self-directed learning. Class size is limited to 15 to promote student and faculty interaction around the world of ideas. Prerequisites: status as an Honors candidate (freshman) or fully admitted University Honors Program student, and/or permission of the Honors coordinator. May be repeated for a maximum of four credits.

HONR202

Honors Contemporary Issues

(3,0) 3

An interdisciplinary sophomore-level seminar for University Honors Programs students. The course is designed to accommodate a range of specific topics; the particular topics, however, will investigate some aspect of the history of intellectual ideas, the nature of intellectual inquiry, and/or the construction of knowledge. The instructor serves as a facilitator in the seminar format which is intended to encourage student-directed learning. Prerequisites: formal admission to the University Honors Program and/or permission of the Honors Program coordinator. May be repeated for a maximum of 9 credits.

HONR302

Honors Ideas Seminar

(3,0) 3

A junior-level seminar for University Honors Program students. The course is designed to accommodate a range of special topics to be submitted by LSSU faculty under the general provision for Special Topics; the topics may evolve out of an interdisciplinary focus on some aspect of traditional disciplinary subject matter, or may be a reconfiguration of a regular course, redesigned to meet the particular needs of Honors Program students. The role of the instructor, however, would be as a facilitator, working within the seminar format to encourage student-directed

learning around a topic requiring intellectual rigor. As this is a core requirement for all junior Honors students, it is expected that a given course proposal would not require prerequisites beyond those for general education. Prerequisites: formal admission to the University Honors Program, junior status, and/or permission of the Honors Program coordinator. HONR201 recommended. May be repeated for a maximum of nine credits.

HONR401

Honors Thesis

(1-4,0) 1-4

A major written work based on independent research or creative effort to be carried out under the supervision of a full-time faculty member. Research is intended to be widely interpreted and may include, but is not limited to, experiments, analysis of existing data, and a summary and integration of already completed but dispersed research. Students will make a formal presentation of their findings to the Honors Council, the thesis supervisor, junior/senior Honors students, and others in the spring of their senior year. Prerequisites: 3.5 GPA, 15 Honors credits, HONR202 and HONR302. Students must present a fully developed proposal to the Honors Council for approval before enrolling in HONR401 or its equivalent in their major.

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HUMN203

Survey of Chinese Culture

(3,0) 3 summer

Designed for students interested in Chinese culture and study abroad. Taught in English and offered at a partner university in China during the first summer session. This four-week course introduces the major cultural and artistic aspects of Chinese society. Lecture topics include Chinese history, geography, language, ethos, philosophy, literature, religion, historical relics, education, medicine, architecture, etiquette, and social and economic aspects of Chinese culture. Field trips to museums, art galleries, historic sites, and places of interest are scheduled throughout the trip.

HUMN240

Native Art and Culture

(3,0) 3

An overview of traditional and contemporary Native arts including visual art, music, literature, storytelling, architecture, theater and dance within their cultural context. Relationships between historical and contemporary forms and expression of Native identity and philosophy through artistic mediums will be examined. Also listed as NATV240.

HUMN251

Humanities I

(4,0) 4

The humanities in the life of mankind from prehistory to the Medieval epoch. Emphasizes significant values evolved in the Hebrew, Greek, Roman and early Christian cultures. Includes consideration of the arts, language, religion, mythology, philosophy and ancient Chinese and Indian systems of religious thought. Prerequisite: ENGL110.

HUMN252

Humanities II

(4,0) 4 fall, spring,

Continuation of HUMN251, the humanities in the age of science, from the early Renaissance to the present. Prerequisite: ENGL110.

HUMN255

World Mythology

(4,0) 4

A survey of world mythology from "Gilgamesh" to "Finnegan's Wake". Prerequisite: ENGL110.

HUMN256

Introduction to Film: Images of Our Culture

(2,2) 3

An exploration of film as an image of our culture in both its technical sense and in its role as a contemporary art form which conveys and delimits our aesthetic and social values. Focus on the visual elements of film, historical development of the medium, and its narrative modes through screening of significant films. Prerequisite: ENGL110.

HUMN261

World Literature I

(3,0) 3 on demand

The Ancient World to the Renaissance. Readings in translation of significant, primarily Western texts. Selection can include the Bible and works by such authors as Homer, Virgil, Thucydides, Tacitus, Boccaccio, Montaigne, Rabelais, and others. Prerequisite: ENGL110.

HUMN262

World Literature II

(3,0) 3 on demand

The Renaissance to modern times. Readings in translation of significant, primarily Western, texts. Selections can include works by Galileo, Voltaire, Racine, Goethe, Ibsen, Dostoevksy, Brecht, Kafka, Sartre and others. Prerequisite: ENGL110.

HUMN490

Directed Studies in Humanities

(1,0) 1 on demand

To provide students who need one credit of general humanities with an opportunity to read or explore material related to the content of that term. Papers and tutorial session required. Prerequisites: Seven hours of humanities credit; evidence that students are capable of carrying out independent study; approval of department chair or dean.

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INTB375

International Business Law

(3,0) 3

The course provides an introduction to the environment of international business and law. It will focus on the foundations and principles of the international legal environment and international legal systems. The course covers the law on international trade. It allows the student to understand government foreign trade policies, the law concerning international business transactions, importing, exporting, transportation and logistics. This course covers a range of legal issues involved in conducting international business, surveying some of the many issues encountered in intellectual property and licensing, and the taxation of international business transactions.

INTB389

Competing in the Global Market Place

(3,0) 3

This course presents a systematic overview of international business and provides an introduction to important issues, including international trade policy, the global monetary system, and strategies of international business. Additionally, the course will look at management practices of international business, including: organizational structure of multinational organizations, production and logistics, human resource management, and financial management.

INTB420

International Comparative Management

(3,0) 3

This course in international comparative management will examine important trends impacting international business as well as the major and developing players in the international economy. The course will examine the stage on which international management is conducted, which includes political, legal and socio-cultural systems as a backdrop. The course will cover how firms develop and execute their international strategies and how they stay ahead of their competitions, once they do. An important aspect for the success of international companies is HR (Human Resources). The course will explore how firms can build an outstanding international workforce through selecting and motivating employees as well as dealing with a host of related human resource management issues, such as compensation, performance appraisal, training and development and labor relations from an international perspective. Prerequisites: MGMT360 or special permission of instructor.

INTB486

International Marketing

(3,0) 3

The International Marketing course examines the scope, challenge and dynamic environment of international marketing. This course will provide an understanding of the cultural environment of global markets, global opportunities and the development and implementation of global marketing strategies. Challenging decisions must be made in international marketing objectives-strategies-policies, regional & country market selection, products that fit regions-countries, multiple distribution channels, communications to fit each global region, management models & organizations per region-country, knowledge-information-data management, exploration of cultural issues, competition, economies, and customers. Prerequisites: MRKT281 or permission of instructor.

INTD310
Foreign Study
1-16 graded

Individual extension added based on student's program.

INTD320
Foreign Study
3-16 credit/no credit

Individual extension added based on student's program.

INTD333
The Origins of Human Nature
(4,0) 4

An integrated, interdisciplinary examination of the origins of human nature from the perspective of contemporary evolutionary theory, ethology and biological anthropology. The course examines the origins of - among other phenomena - sexual behavior, marriage and family life, crime, social stratification, leadership, government, politics, patriotism, nationalism, racism, ethnocentrism, aggression, genocide, war, ideology and morality. Prerequisites: a college biology course or PSYC101, one college course from each of two social science disciplines (anthropology, economics, political science, psychology, sociology), and junior standing.

INTD410
Foreign Study
3-16 3-16

Individual extension added based on student's program. (Graded)

INTD420
Foreign Study
3-16 3-16

Individual extension added based on student's program. 3-16 credit/no credit

INTD490
Senior Directed Study
(3-4,0) 3-4

This course is designed to allow liberal studies majors the opportunity to develop and implement a project/paper using the skills and knowledge from their previous course work. Projects/papers should relate to the student's individual areas of study, and represent a synthesis of their previous learning under the supervision of an appropriate faculty member. Prerequisites: senior status and approval of the appropriate chair(s).

JAPN105

Intensive Introductory Japanese Language I

(10,2) 10

This course is designed as an intensive introductory study of Japanese. The class meets five hours per week and the laboratory/recitation/practice sessions meet five hours each week. The "New Jordan method" of Japanese language studies for English speakers is used in both class and lab sessions.

JAPN106

Intensive Introductory Japanese Language II

(10,2) 10

This course is designed as a continuation of JAPN105. It will stress uses of written Japanese and a research project in which communication with Japanese in the community will be vital. The "New Jordan Method" will be the basis of the instruction.

JAPN201

Culture and Society of Japan I

(3,0) 3

This is a very broad overview course which examines the social and political development of Japan from prehistoric times to 1300 A.D. It combines written text materials with field work. An emphasis will be placed on the social organization of Japan and its relationships with traditional religious values, economic structures, socialization of children and political institutions.

JAPN202

Culture and Society in Japan II

(3,0) 3

This is an overview of Japanese history which examines the political and social developments of Japan from 1300 A.D. to the present. Special emphasis will be placed on the Shogunate Tradition, the Meiji Restoration and 20th century political, economic and social developments.

JAPN301

Japanese Art and Culture I

(4,0) 4

This course is a broad overview of the development of the painting, sculpturing, architecture and literary traditions of Japan from earliest times to 1300 A.D. Special emphasis will be placed on the historic collections available in Nara and Kyoto. Biweekly field trips to examine and study local sites will be a regular portion of the instruction.

JAPN302

Japanese Art and Culture II: 1300 to Present

(4,0) 4

This course is designed as a study of the development of Japanese art, architecture and literature from the Ashikaga Shogunate to the present. Special attention will be given to the influences from Western civilization and its impact on Japanese culture.

JOUR211
Newswriting
(3,0) 3

Gathering, processing and writing news and opinions on current matters using professional standards and formats in print and broadcast news and public relations. Prerequisite: COMM280.

JOUR220
Photojournalism
(3,0) 3

Fundamentals of 35mm camera operations with emphasis on creative and professional applications. Weekly assignments and critique. Student required to have a camera with manual controls (shutter speed and aperture setting). Assignments in color negative film (color prints) processed commercially. No prerequisites.

JOUR310
Editing and Production
(3,0) 3

Focuses on news editing, headline writing, newspaper design and layout as well as newsroom management. Prerequisite: JOUR211.

JOUR413
Directed Individual Studies
(2,0) 2

Shine Sundstrom journalism internship at Sault Ste. Marie Evening News: Experience in newsroom and on assignment; writing, rewriting; use of word processor. Prerequisites: Junior status; COMM280 and JOUR211. File application with the chair of the Department of English and Communication by fifth week of previous semester.

LAWS102
Legal Research and Case Analysis
(3,0) 3

Introduction to the law library and its use. Students will develop research techniques and skills in using encyclopedias, treatises, digests, case reporters, looseleaf services, annotated reports, legal periodicals, legislation, legislative history, administrative materials, shepardization and citation of legal authorities. Students will also develop skills in analyzing, evaluating and synthesizing court opinions and statutory law.

LAWS202

Legal Writing and Analysis

(3,0) 3

Introduction to legal writing styles and skills. Through review and preparation of legal documents, students will become acquainted with basic principles, style, organization and structure of certain legal documents which shall include letter writing, preparation of memorandum of law and an appellate brief. Research skills and analysis of court opinions will be further refined. Prerequisites: LAWS102 and LAWS125.

LAWS490

Independent Study in Legal Studies

(1-4) 1-4

This may take the form of either a research project or a program of directed reading on a specific topic. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. May be repeated up to a total of eight credits.

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LIBR101

Information and Information Technology Literacy

(1,0) 1

Introduces students to information tools and their uses, including reference books, indexes, periodicals, microforms, computer products and the Internet. Students will learn to effectively search information tools so they can more efficiently meet their information needs.

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LING403

Language Acquisition and Foreign Language Teaching

(3,0) 3

Introduction to theories of language and language acquisition as applied to current language teaching methods and classroom practices. This course is a requirement for both the Spanish teaching major and the Spanish teaching minor. The class will be taught in English, but students will use a foreign language of their choice in teaching presentations. Prerequisites: SPAN361 and SPAN362 or FREN351 and FREN352.

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MATH087

Pre-Algebra

(3,0) 3

Basic operations and problem solving using whole numbers, rational numbers (including decimals, ratios and percents) and integers. Solving problems related to

measurement and geometry. Credit in this course does not apply toward graduation. Prerequisite: None.

MATH088

Beginning Algebra

(3,0) 3

An introduction to algebra, algebraic expressions and solving of elementary equations and inequalities. Manipulation and graphing of equations in two variables as well as solving systems of equations in two variables. Multiplying, factoring and manipulating polynomial expressions. Credit in this course does not apply toward graduation. Prerequisite: MATH087.

MATH102

Intermediate Algebra

(4,0) 4

Algebra for students who have not had second-level high school algebra or who need a refresher course in that level of algebra. Real numbers and operations, solving and graphing first degree equations and inequalities, solving systems of equations and quadratic equations, algebra of polynomials, radical and rational expressions and equations, exponential and logarithmic functions. Prerequisites: One year of high school algebra and MATH088 or equivalent/satisfactory score on ACT or Placement Exam. This course will not count toward a major or minor in mathematics.

MATH103

Number Systems and Problem Solving for Elementary Teachers

(3,2) 4

General notions of problem solving and number theory for elementary teachers including sets, functions, numeration systems, and properties and operations of whole numbers, integers, fractions and decimals, and proportional reasoning. Prerequisite: Equivalent/satisfactory score on ACT or Placement Exam, or MATH102 with a grade of C (2.00) or better.

MATH104

Geometry and Measurement for Elementary Teachers

(3,2) 4

Basic notions of geometry for elementary teachers including constructions, congruence and similarity, motion geometry, symmetry and tessellations. Concepts of measurement, coordinate geometry, probability and data analysis. Prerequisite: Equivalent/satisfactory score on ACT, or Placement Exam, or MATH102 with a grade of C (2.00) or better.

MATH110

Explorations in Mathematics

(3,0) 3

A discovery course in mathematics which explores the varied relationships of mathematics to society and the natural world through application and enrichment. A statistics component is included, and a term project is required. This course satisfies the general education mathematics requirement. It will not count toward a major or minor in mathematics. Prerequisite: MATH088 or equivalent score on ACT or Placement Exam.

MATH111
College Algebra
(3,0) 3

This course is a study of families of functions through formulas, tables, graphs and words, emphasizing applications in business, life and social science. The function families include linear, polynomial, rational, exponential, logarithmic and power functions. Within these families, topics include problem solving, model creation, solving equations, systems of equations and inequalities, rates of change, graphing, analysis, and interpretation. Prerequisites: Two years of high school algebra and satisfactory achievement on the mathematics placement exam or MATH102 with a grade of C or better. High school plane geometry also recommended. This course will not count toward a major or minor in mathematics.

MATH112
Calculus for Business and Life Sciences
(4,0) 4

Limits, differentiation, applications of the derivative, integration, application of the definite integral, techniques of integration. Calculus of exponential and logarithmic functions, elementary differential equations, functions of several variables. Prerequisite: MATH111 with a grade of C or better. This course will not count toward a major or minor in mathematics.

MATH131
College Trigonometry
(3,0) 3

Basic theory of trigonometric functions and inverse trigonometric functions. Applications include trigonometric equations, plane trigonometry, vectors and complex numbers. Introduction to conic sections. Study of exponential functions and their connection to trigonometry functions, logarithmic functions and applications. Prerequisites: (1) Two years of high school algebra and equivalent/satisfactory score on ACT, COMPASS test or Placement Exam, or MATH102 with a grade of C or better. (2) One half-year of high school trigonometry with a grade of C or better is strongly recommended.

MATH151
Calculus I
(4,0) 4

Limits, continuity and inverse functions. Logarithmic and exponential functions. Differentiation and applications of the derivative. L'Hopital's rule. Inverse trigonometric functions. Integration and the definite integral. Prerequisites: high school mathematics that includes two years of algebra, one year of plane geometry and one-half year of trigonometry and equivalent/satisfactory score on SAT, ACT or Placement Exam or both MATH111 and MATH131 with a grade of C or better.

MATH152
Calculus II
(4,0) 4

Applications of the definite integral. Techniques of integration and improper integrals. Infinite series. Conic sections, polar coordinates and parametric equations. Prerequisite: MATH151 with a grade of C or better.

MATH207

Principles of Statistical Methods

(3,0) 3

Descriptive statistics, probability distributions (including normal, binomial and chi-square), techniques of statistical inference including tests of hypotheses and selected nonparametric tests. (This course is a survey of elementary statistical concepts.) Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam. This course will not count toward a major or minor in mathematics.

MATH215

Fundamental Concepts of Mathematics

(3,0) 3

Elements of set theory, set algebra, cardinality, logic, mathematical induction, methods of proof, functions, relations, equivalence relations. Prerequisite: MATH151 or 112 with a grade of C or better.

MATH216

Discrete Mathematics and Problem Solving

(3,0) 3

Selected topics from discrete mathematics including fundamental counting principles, recurrence relations and an introduction to graph theory. A strong emphasis is placed on fundamental problem-solving techniques. Prerequisite: MATH215 with a grade of C or better.

MATH251

Calculus III

(4,0) 4

Three-dimensional space, vectors, vector-valued functions, partial differentiation, multiple integration, topics in vector calculus. Prerequisite: MATH152 with a grade of C or better.

MATH261

Introduction to Numerical Methods

(3,0) 3 alternate years

Floating point representation of numbers and floating point arithmetic. Survey of numerical methods for solving a wide variety of common mathematical problems, including solution of a single non-linear equation, solution of a system of linear equations, matrix inversion, numerical integration, function approximation, interpolation. Emphasis will be on the actual computer implementation of common algorithms for solving these problems. Prerequisites: CSCI105 or 121 with a grade of C or better and MATH152 with a grade of C or better.

MATH290

Independent Study in Mathematics

(1-4,0) 1-4

Special studies and/or research in mathematics for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the department head. This course may be repeated for a maximum of eight credits.

Prerequisites: Sophomore standing or higher and permission of instructor.

MATH305

Linear Algebra

(3,0) 3 alternate years

An introduction to matrix algebra, vector spaces and linear transformation, including applications to the natural and social sciences. Prerequisites: MATH112 or MATH151 with a grade of C or better.

MATH308

Probability and Mathematical Statistics

(3,0) 3

An introductory course in probability and mathematical statistics. Probability, probability distributions, mathematical expectation, moment generating functions and the Central Limit Theorem. Prerequisite: MATH152 with a grade of C or better.

MATH309

Applied Statistics

(4,0) 4 alternate years

A continuation of MATH308 including estimation of parameters, testing hypotheses, nonparametric methods, analysis of variance, multiple regression and an introduction to statistical software packages. Prerequisite: MATH308 with a grade of C or better.

MATH310

Differential Equations

(3,0) 3

Differential equations of first order, linear differential equations of second and higher orders, including Laplace transformation. Introduction to power series methods, applications. Prerequisite: MATH152 with a grade of C or better.

MATH321

History of Mathematics

(3,0) 3

Selected topics in the development of mathematics from the time of the ancient Babylonians and Egyptians to the 20th century. Prerequisites: MATH112 or 151 with a grade of C or better, and MATH215 with a grade of C or better.

MATH325

College Geometry

(2,2) 3 alternate years

Selected topics in geometry, including some or all of the following: Modern elementary geometry, transformations, Euclidean constructions, dissection theory, projective geometry, introduction to non-Euclidean geometry, and problems in foundations of geometry. Prerequisites: MATH215 with a grade of C or better.

MATH341

Abstract Algebra I

(3,0) 3 alternate years

An introduction to congruencies, groups, subgroups, quotient groups, fundamental homomorphism theorems, Sylow theorems. Prerequisite: MATH215 with a grade of C or better.

MATH342

Abstract Algebra II

(3,0) 3 on demand

A continuation of MATH341 including rings, integral domains, ideals, quotient rings, the natural homomorphism, fields and polynomial rings. Prerequisite: MATH341.

MATH351

Graph Theory

(3,0) 3 alternate years

Selected topics in graph theory, including connectivity, matchings, edge and vertex colorings, networks and tournaments. Prerequisite: MATH216 with a grade of C or better.

MATH401

Mathematical Modeling

(3,0) 3 alternate years

Selected applications of mathematics in such areas as biology, economics, social science and engineering are discussed. The construction of a mathematical model used to study a real situation will be stressed, as well as interpretation of mathematical results in that context. Prerequisites: junior/senior standing, a course in computer programming, and mathematical maturity at the level of MATH305, 308 or 310 with a minimum grade of C.

MATH411

Advanced Topics in Calculus

(3,0) 3 alternate years

An extension of the calculus in one, two, and three dimensions leading to the formulation and solution (in simple cases) of the partial differential equations of mathematical physics. Differential and integral calculus of vectors, divergence, curl, line, surface and volume integrals, Green's divergence and Stokes' theorems, heat and wave equations, Fourier series, orthogonal sets, boundary value problems, separation of variables. Prerequisite: MATH251 and 310 with a grade of C or better.

MATH413

Introduction to Complex Analysis

(3,0) 3 on demand

The calculus of functions of a complex variable, algebra and geometry of complex numbers, elementary functions, limits, derivatives, Cauchy-Riemann equations, integrals, Cauchy integral theorem, series, singularities, residue theorem. Prerequisite: MATH251.

MATH421

Real Analysis

(3,0) 3 on demand

An examination of some of the foundations of the calculus, including basic topology of the real line, limits, continuity, metric spaces, function spaces, some uniformity concepts. Prerequisites: MATH215 and 251 with a minimum grade of C.

MATH490

Individualized Research Topics in Mathematics

(1-4,0) 1-4

Special studies and/or research in mathematics for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the department head. This course may be repeated for a maximum of nine credits. Prerequisite: Junior standing or higher and Permission of Instructor.

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MGMT280

Introduction to Management Information Systems

(3,0) 3

This course will introduce students to MIS theories including (1) Information Systems in Business and Society (information management in global society; security, privacy and ethical issues); (2) Information Technology Concepts (hardware technology, software technology, database management systems, network and internet technology); (3) Business Information Systems (automation and support systems, transaction processing systems, management information systems, decision support and expert systems, enterprise systems such as ERP); (4) Systems Development (systems investigation and analysis, systems planning development and implementation). Students will gain hands-on computer skills in advanced spreadsheet, database, and web technologies. Prerequisites: BUSN121 and ACTG132 with a grade of C or higher.

MGMT360

Management Concepts and Applications

(3,0) 3

Principles and techniques applicable to the functions of management: Planning, organizing, directing (staffing and leading) and controlling; development of management thought and decision-making; current issues and future concerns in management. Foundation course for study and understanding of management theory and practice. Prerequisite: Junior standing.

MGMT365

Human Resource Management

(3,0) 3

An examination of current practices and recommended techniques by which management procures, develops, utilizes and maintains an effective work force. The major areas studied are: recruitment and selection, equal employment opportunity and affirmative action programs, training and development, career planning and performance appraisal, compensation and benefits, safety and health issues, employee and labor relations, including grievance handling, contract negotiation and remaining union-free as an organization. Prerequisite: Junior standing.

MGMT371

Operations and Business Analytics

(3,0) 3

This course introduces students to (1) Operations Management (operations strategy, operations design, operations planning & control, operations execution), (2) Supply Chain Management, and (3) Quantitative Business Analysis (linear programming, project scheduling including PERT and CPM, inventory modeling, statistical process control, queuing theory, simulation, decision analysis, time-series forecasting, advanced statistical analysis). Prerequisite: BUSN211 or equivalent.

MGMT375

Introduction to Supply Chain Management

(3,0) 3

This course provides an overview of the supply chain function for an organization. The supply chain for any company is described as the continuous sequence of events and operations that add value to the firm. Topics will include purchasing and procurement, inbound and outbound logistics and transportation, operations and manufacturing planning and control, forecasting, quality control, enterprise resource planning and overall information system design for the firm. Prerequisite: BUSN211 or statistics equivalent.

MGMT380

Principles of Leadership

(3,0) 3

This course provides the student with an understanding of the principles and behaviors situationally appropriate to inspire and influence others. Whether people work individually, in small teams, task forces, or other units at all organizational levels; effective leadership sustains profitability, productivity, and excellent service. Studying research findings, leadership practices, and skills helps the student understand how this knowledge can be applied to effectively lead others. Prerequisite: MGMT360.

MGMT451

Labor Law

(4,0) 4

An analysis of labor laws pertaining to union-management relations; emphasis on the private sector as well as on laws relating to health care institutions; legal aspects of relationships between unions and their members; federal wage and hour laws, including administration of the statutes and their relationship; applicable remedies for violations of federal labor laws. Prerequisite: Junior standing.

MGMT464

Organizational Behavior

(3,0) 3

An analysis of problems and cases relating to management and organizational behavior typically requiring decisions by an administrator. Topics include leadership, motivation, communication, negotiation, problem solving, decision making, conflict resolution, group dynamics, stress management, job design and organization structure. Prerequisite: MGMT360.

MGMT469

Collective Bargaining

(3,0) 3

An analysis of the process of collective bargaining, the major subjects of negotiation, including arbitration of grievances; process of dispute settlements; and influence of larger environment. The discussion includes theories of bargaining, strategies and weapons available to both parties. Also examines collective employee-employer relationships in the public sector and tactics of public employee groups and agencies. Prerequisite: Junior standing.

MGMT471

Production/Operations Management

(3,0) 3

An introduction to the design and analysis of operational systems in manufacturing and service industries. Topics include manufacturing strategy, planning and control, forecasting, just in time systems, inventory models, product/process design, scheduling and simulation. Some mathematical models will be used. Emphasis will be on the role of operations within an organization and the formulation and solution of operational problems. Prerequisites: BUSN211 and MGMT360 or equivalents.

MGMT476

Employee Training and Development

(4,0) 4

This course provides the student with an understanding of how to prepare and deliver effective employee training. The course is in five parts: training and development needs analysis, program design, development, delivery, and evaluation. The principles and concepts learned are applied by preparing, delivering, and evaluating a three-hour training program. Prerequisite: Senior standing.

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MRKT281

Marketing Principles and Strategy

(3,0) 3

A study of the marketing principles, variables, institutions, target markets, marketing mix and the development of marketing strategy. Prerequisite: ENGL110.

MRKT283

Principles of Selling

(3,0) 3

The study of personal selling and its requirements. Topics included are buyer behavior, sales presentations from prospecting to closing the sale, and overcoming objections. Sales interviews by students are an integral part of the course.

MRKT379

Sports and Events Marketing

(3,0) 3

A study of the theories, concepts, impacts, and contemporary issues unique to sports and events marketing, including the marketing athletes, teams, leagues, celebrities, entertainment, and special events. Prerequisite: MRKT281 or special

permission of instructor.

MRKT381

Consumer Behavior

(3,0) 3

A study of behavioral concepts related to consumer behavior. Attention is directed toward understanding consumer needs, perceptions, attitudes, intentions and behavior within a strategic and managerial framework. Topics include the differences of complex decision making and habit and between high and low involvement decision making. Emphasis is on predicting and understanding purchase behavior for best firm/consumer needs\ match. Prerequisite: MRKT281.

MRKT383

E-Marketing

(3,0) 3

A study of the impact the Internet and other digital technologies have on the marketing of goods, services and ideas. The course will examine current e-marketing environment, strategy and management issues including consumer behavior, segmentation and targeting, differentiation and positioning, product, price, distribution, communication and customer relationship management. Ethical and legal issues will also be addressed. Prerequisite: MRKT281.

MRKT385

Services Marketing

(3,0) 3

A study of the principles and practices unique to service providers. The focus of this course is to examine how the marketing of services differs from traditional marketing principles/concepts applied to goods and the alternative strategies for service providers to improve service marketing effectiveness and customer interactions. Prerequisite: MRKT281.

MRKT387

Advertising Theory and Practice

(3,0) 3

A study of the principles and practices in various advertising media such as newspaper, radio, television, outdoor and direct mail; consideration of creative methods, consumer behavior, measurement of effectiveness and coordination with other aspects of the promotional program. Prerequisite: MRKT281.

MRKT388

Retail Management

(3,0) 3

A study of the field of retailing. A survey of retail institutions; store location and organization; buying and merchandising techniques; retail advertising, sales promotion and image; human resource policies; and store protection. Prerequisite: MRKT281.

MRKT389

Entrepreneurship

(3,0) 3

A study of individual small firms: start-up, on-going management, challenges, and requirements for success. Students will apply both strategic planning and the knowledge acquired from other business courses to (a) demonstrate understanding and competence in using S.A.P. in small business decision-making and operations, (b) develop a viable business plan for a new small business, and (c) utilize problem-solving for other local small businesses, where required, in an advisory capacity. Prerequisites: ACTG132 or 230, BUSN121 and MRKT281.

MRKT480
Marketing Research
(3,0) 3

Application of research methods to the field of marketing. Methods of gathering and presenting data, market analysis, consumer surveys and sales forecasting. Students will participate in a research project. Prerequisites: BUSN211, MRKT281 and 381.

MRKT481
Marketing Management
(3,0) 3

A study of the essential tasks of marketing managers: (1) identifying marketing opportunities, (2) developing marketing plans, and (3) implementing these plans by introducing marketing strategies. Prerequisites: MRKT281, 381, 480, and senior status.

MRKT483
Sales Force Management
(3,0) 3

Principles and policies of sales organization; career opportunities; recruiting, selecting and training sales people; motivation, supervision and evaluation of sales performance; compensation plans, quotes and expense accounts. Prerequisites: MRKT281 and 283.

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MUSC112
Band
(0,3) 1

Open to all University students. The concert band performs representative band and wind ensemble literature and provides a challenging musical experience.

MUSC113
Band
(0,3) 1

Open to all University students. The concert band performs representative band and wind ensemble literature and provides a challenging musical experience.

MUSC120
Introduction to Music I
(3,0) 3

An introduction to the basic vocabulary of music and to basic musicianship skills. Topics include notation, meter, rhythm, intervals, scales, chords, etc. No prerequisite.

MUSC121
Introduction to Music II
(3,0) 3

The course expands upon the musical vocabulary and skills developed in MUSC120. Topics include C-clefs, seventh chord, non-harmonic tones, cadences, etc. Prerequisite: MUSC120.

MUSC140
Choir
(0,3) 1

Rehearsal and performance of representative literature for mixed choir in both classical and contemporary styles of choral music. May be repeated for a total of eight credits.

MUSC170
Class Piano I
(0,2) 1

Beginning piano techniques. Music reading ability helpful but not required.

MUSC171
Class Piano II
(0,2) 1

To improve proficiency and techniques gained in MUSC170. Prerequisite: MUSC170.

MUSC180
Class Guitar I
(0,2) 1

Introduction to guitar playing including knowledge of musical rudiments, left and right hand techniques and ensemble performance.

MUSC181
Class Guitar II
(0,2) 1

Course emphasizes increasing technical achievement, musicianship and the development of individual musicality.

MUSC210
Applied Music I
(0,3) 1

Individual applied music instruction. For skilled musicians with admission at the discretion of the instructor. May be repeated to a maximum of eight credits per instrument or for voice.

MUSC220

History and Appreciation of Music I

(4,0) 4

A survey of music from the Middle Ages to the early 19th century with emphasis on the music of Bach, Handel, Haydn, Mozart and Beethoven. Counts as humanities credit for general education requirements.

MUSC221

History and Appreciation of Music II

(4,0) 4

A survey of music of the 19th and 20th centuries. Counts as humanities credit for general education requirements.

MUSC235

Music for Elementary Teachers

(3,0) 3

This course is designed to provide an understanding of the philosophy, theories and contemporary issues in music education in the kindergarten through sixth grade classrooms. The student will develop a practical knowledge of music skills and instructional techniques when planning a music curriculum for the elementary classroom.

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NSCI 101

Conceptual Physics

(3,2) 4

A survey of basic physical science principles emphasizing their applications in daily life. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

NSCI 102

Introduction to Geology

(3,2) 4

A survey course to acquaint students with the major concepts and phenomena inherent in a study of geology. It will also provide sufficient background for a better understanding of human relationships to the physical environment. Credit can be earned for only one of NSCI102, GEOL115 and 121. Prerequisite: None.

NSCI 103

Environmental Science

(3,0) 3

An introduction to environmental concepts and a brief survey of environmental issues facing society. Emphasis is placed on solutions and the responsibility of the individual towards these solutions.

NSCI 104

Environmental Science Laboratory

(0,2) 1

Laboratory component of environmental science. Corequisite: NSCI103.

NSCI 105

Physical Geography: Earth, Sun and Weather

(3,1) 3

Study of the physical properties of the earth's surface as they relate to weather and climate. Credit for both GEOG108 and NSCI105 not permitted.

NSCI 107

Physical Geography: Landforms and Soils

(3,1) 3

Study of the physical properties of the earth's surface as they relate to landforms and soils. Credit for both GEOG106 and NSCI107 not permitted.

NSCI 110

Investigations in Chemistry and Forensics

(3,2) 4

An applied introductory chemistry course introduces the world of forensics focusing on the aspects of chemistry used during an investigation. This unique general education class will incorporate a criminal justice and fire science perspective while providing an introduction to chemical principles. Attention will be given to developing critical thinking skills, understanding the scientific process and to making scientifically informed decisions about every day events. Pre- or co-requisite of MATH102 (or higher) or equivalent/satisfactory score on ACT, SAT or Placement Exam.

NSCI 116

Introduction to Oceanography

(3,2) 4

A survey of the features, processes and evolution of Earth's ocean basins. The course will examine geological, physical, chemical and ecological aspects of oceanography with an emphasis on their interrelationships and their impact on humanity.

NSCI 119

Descriptive Astronomy

(3,2) 4

Introductory course with a balanced, comprehensive account of contemporary astronomy with emphasis placed on the broad principles of astronomy rather than on a chronological or historical framework. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

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NURS211

Introduction to Professional Nursing

(3,0) 3

This course introduces the student to a theoretical foundation for professional nursing practice. It focuses on nursing's historical origin, and its development throughout the years to present. Concepts discussed include nursing and related theories, the nursing process, legal/ethical issues and other topics relevant to the practice of professional nursing. Prerequisite: permission of dean or instructor only.

NURS212

Health Appraisal

(2,6) 4

This course serves as an introduction to the nursing assessment and analysis component of the nursing process as a method of determining a well individual's health potential and status across the lifespan. Emphasis is on obtaining and documenting a health history, performing a nursing assessment and beginning to formulate a nursing diagnosis. Prerequisite: permission of dean or instructor only.

NURS213

Fundamentals of Nursing

(3,9) 6

This course provides a theoretical and clinical foundation upon which science is applied to clients experiencing common health stressors. Emphasis is placed upon collecting relevant data, formulating nursing diagnosis based on the data, implementation of both appropriate nursing interventions and related psychomotor nursing skills. Responsibilities as a health team member who displays caring behaviors and as a self-directed learner are also considered. Prerequisites: NURS211, 212, and HLTH208. Pre- or corequisites: HLTH232, 209 and BIOL223.

NURS290

Directed Study in Nursing

(1-2,0) 1-2

Special study of nursing topic tailored to student interest and need. Prerequisite: minimal sophomore status. May be repeated for maximum of four credits.

NURS325

Nursing of Childbearing Families

(3,6) 5

Theoretical and clinical foundation for application of the nursing process in caring for childbearing families. Focus on: norms and complications of the childbirth experience with application of strategies to promote health and prevent complications related to pregnancy and childbirth. Prerequisite: NURS327. Corequisite: NURS326. Pre-or Corequisite: NURS/HLTH328.

NURS326

Nursing of Children and Families

(3,6) 5

Theoretical and clinical foundation for application of nursing process in caring for children and their families. Emphasis: health promotion, maintenance and restoration with application of principles and concepts related to growth and development, family theory, environmental influences on health and the nursing

process. Prerequisite: NURS327; Corequisite: NURS325. Pre- or Corequisite: NURS/HLTH328.

NURS327

Adult Nursing I

(4,12) 8

Combined class and clinical experiences that apply the concepts of nursing and related theories to the care of the adult client with common health alterations in each of the basic human need areas. Nursing clinical experiences are in primary, secondary, and tertiary care settings for adult clients. Prerequisites: NURS213 (or NURS222), HLTH209 and BIOL223.

NURS328

Multicultural Approaches to Health Care

(3,0) 3

This course explores values, beliefs and practices related to health behaviors in a variety of culturally diverse groups. Methods for fostering culturally sensitive care are explored. Content includes communication, biological and nutritional considerations, assessment techniques and alternative/complementary health practices. Prerequisite: SOCY101. Also listed as HLTH328.

NURS352

Health Issues of Aging Populations

(3,0) 3

This course is designed to assist students from a variety of disciplines to gain a greater understanding of health-related issues that are associated with advancing age. In addition to exploring physiological and psychological changes experienced by our elderly clients, students will learn how they can adapt their work strategies to work more effectively for the elderly clients that they serve. Prerequisites: PSYC155 and junior level status. Also listed as HLTH352.

NURS360

Professional Nursing Concepts

(4,0) 4

This four-credit course is the transitional course into professional nursing for the practicing registered nurse. Course emphasis: concepts of professional nursing, nursing and other related theories, health promotion, using research in nursing practice, impact of technology on profession, and economics related to nursing care. Includes: the history of nursing, ethics, culture, and critical thinking are interwoven in the exploration of concepts. Prerequisite: Permission of dean or instructor only. For Post Licensure majors (RN-BSN) only.

NURS363

Comprehensive Health Appraisal

(2,3) 3

Application of theories from nursing and related fields to appraise health of the individual throughout the lifespan. Emphasis is on comprehensive history taking, physical assessment skills and assessment of findings. For Post Licensure majors (RN-BSN) only. Pre- or corequisite: NURS360.

NURS365

Family Nursing Theory

(3,0) 3

Theoretical concepts of family development, structure and dynamics are presented. Factors influencing family health care are examined. Strategies are developed to enhance healthy family functioning. For Post Licensure majors (RN-BSN) only. Pre- or corequisites: SOCY101 and NURS360.

NURS431

Adult Nursing II

(4,12) 8

This is a theory and clinical laboratory course focusing on application of the nursing process in care of the adult client with multiple health stressors. Basic human needs theory and concepts of stress/adaptation, health promotion, health maintenance, health restoration and teaching-learning are applied. The student collaborates with the health team and applies theory and principles of leadership and management in providing care in secondary and tertiary care settings. Prerequisites: HLTH328, NURS325, NURS327, NURS326. Corequisite: NURS435.

NURS432

Nursing of Populations

(3,6) 5

This is a theory and clinical course applying the nursing process to populations. Content includes application of public health nursing principles, levels of prevention, epidemiology and health education. Expands the role of the nurse as a teacher, collaborator and advocate. Examines the effect of health care delivery trends and issues on the health of populations. Prerequisites: For Pre-licensure BSN Majors: HLTH328, NURS325, NURS327, NURS326. Post-licensure Majors (RN-BSN): NURS363 and NURS365.

NURS433

Community Mental Health Nursing

(3,6) 5

Theoretical and clinical foundation in mental health nursing. Emphasis is on the use of the therapeutic relationship and communication skills to help clients cope with stressors of life experiences. Nursing, human needs theory, stress adaptation theory are used to help the client achieve optimum level of mental health. Clinical experiences are provided in both the community and in the acute care settings. Prerequisites: HLTH328, NURS325, NURS326, NURS327.

NURS434

Nursing Research

(3,0) 3

This course develops appraisal skills of nursing and related research. It will enable students to think critically and ethically about providing the best possible care to clients based on evidence. Assignments and class discussion emphasize application of current research to a variety of dimensions including human beings, health, nursing and environment. Prerequisite: NURS327, Corequisite: MATH207 or PSYC210.

NURS435

Management in Nursing

(4,0) 4

Analysis of the leadership and management roles in professional nursing; focus is leadership/management theories basic to the planning, organizing, directing and controlling or nursing services in health care settings. Includes concepts of nursing model integration in management, communications, decision making and conflict resolution, resource management, legal and ethical responsibilities, employee relations, health care system design, systems appraisal, and case management. Students will formulate a personal nursing management/leadership philosophy. For Pre-licensure BSN Majors: HLTH328, NURS325, NURS327, NURS326, Corequisite NURS431.

NURS436

Contemporary Issues in Nursing

(2,0) 2

Course analyzes contemporary and future issues involving the professional nurse. The course further explores role socialization from nursing student to BSN-prepared nurse. Course reviews the legal responsibilities and professional regulation of nursing practice. Selected social, ethical, political, economic and legal issues will be examined. Prerequisite: For Pre-licensure BSN Majors: HLTH328, NURS325, NURS327, NURS326. For Post-licensure Majors (RN-BSN): NURS360.

NURS437

Professional Nursing Leadership

(1,3) 2

This is a seminar and clinical course where the student is expected to synthesize the roles of professional nursing in a variety of settings. Collaborative and leadership aspects of professional nursing are emphasized by the students planning their experience with the faculty member and preceptor. Integration of ethics, research, change, caring, advocacy, and approaches to ensure quality care in nursing practice are expected. For Post Licensure majors (RN-BSN) only. Prerequisites: NURS432, 434, 435.

NURS490

Independent Study

(1-4,0) 1-4

Individual investigation of topics tailored to student interest and need. Prerequisites: Junior or senior standing and instructor permission.

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OFFC112

Keyboard Skillbuilding

(0,2) 1

Improvement of keyboarding speed and accuracy (both alphabetic and numeric), using developmental programs and keyboarding drills. May be repeated once.

OFFC119

Computerized Accounting Procedures

(4,0) 4

Accounting experiences common to small business or professional offices; development of basic principles underlying accounting procedures; techniques and records used in analyzing, classifying, recording and summarizing transactions; accounting procedures applied to a computer simulation for small businesses. May not be taken for credit following successful completion of ACTG132.

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PHIL204
Introduction to Philosophy
(3,0) 3

A study of selected philosophical problems and of methods and ways to answer them. Prerequisite: ENGL111.

PHIL205
Logic
(3,0) 3

An introductory course in logic; study of the role of logical methods of the rational approach to knowledge; consideration of such concepts as definition, implication, inference, syllogism, deduction. Prerequisite: ENGL111.

PHIL210
Existentialism
(3,0) 3

Survey of existentialist literature from a variety of authors, periods and genres: Dostoevsky, Kierkegaard, Nietzsche, Heidegger, Jaspers, Sartre, Camus, de Beauvoir, Rilke, and others. Texts include philosophical prose, biblical exegesis, fiction, drama and poetry, containing many of the definitive expressions of such current literary, philosophical and artistic themes as the varieties and sources of alienation, the creation and definition of the self, the nature and rationality of religious faith, moral responses to insoluble dilemmas, and potential individual responses to an absurd and inhuman world. Prerequisite: ENGL111.

PHIL215
Ethical Theory and Practice
(3,0) 3

Certain actions seem to be demanded by morality and certain actions seem to be prohibited by morality. In addition, there are many actions in which we have difficulty extending praise or blame. The study of Ethical Theory constitutes the study of philosophers' evaluations of behavior, character, and even the term of such evaluation (e.g., 'goodness,' 'value,' 'right,' and 'obligation'). this course will examine the ethical theories of philosophers such as Plato, Aristotle, Kant, Bentham, and Mill as well as contemporary applications of ethical theories. Topics such as terrorism, ethics in the professions, the environment, and religiously motivated behavior are timely and appropriate topics for evaluating the connections between moral reasoning and our modes of living. Prerequisite: ENGL111.

PHIL220
Biomedical Ethics
(3,0) 3

Survey of contemporary issues in medical and research ethics. Topics could include abortion, euthanasia, genetic testing, reproductive technologies, doctor-patient relationships, conflicting imperatives on confidentiality and disclosure, social consequences or drug development and widespread use, concepts of health and disease, gender and medical practice, the distribution of medical resources, and the medicalization of various forms of social deviance. Prerequisite: ENGL111.

PHIL250
Philosophy of Religion

(3,0) 3

This course examines the rational foundations for believing in and worshiping a Deity. In particular we will focus our inquiry on the God of Judaism, Christianity, and Islam who is thought to possess the qualities of omniscience, omnipotence, and beneficence. (We will, however, exposit the deities Hinduism and Buddhism to put our study in context.) Can we prove that God exists? What might we owe God? How can we explain the existence of evil even though God is thought to be wholly good? What place does religion have in a pluralistic society? The history of Western Philosophy is in large part unified by the common pursuit of such questions. Not only are the questions themselves fascinating and perplexing, but also, they have been answered in inventive ways by many extraordinary thinkers. The Philosophy of Religion is, therefore, a continuing search that has as much to do with human ingenuity as it does about God. Prerequisite: ENGL111.

PHIL302
Ancient Western Philosophy

(3,0) 3

A study of the origins and the development of Greek and Roman philosophy from the pre-Socratics to the early Christians. Counts as humanities credit for general education requirement. Prerequisite: ENGL111.

PHIL305
Modern and Contemporary Philosophy

(3,0) 3

Students will become familiar with the arguments and ideas that have sought to describe and, in many cases, to shape the consciousness of the modern and postmodern epochs. From Descartes to Kant, modern philosophy experimented with new ways to understand existence, identity, causality, and God. From Russell to Williams, contemporary philosophers grappled with new ways to understand logic, ethics, gender, and subjective experience. Students will learn to make connections between their own ways of experiencing the world and the sometimes subtle ways that philosophers since Descartes have influenced their understanding of their experiences. Prerequisite: ENGL111.

PHIL490
Directed Study in Philosophy

(1-4) 1-4

A study of philosophically engaging topic, chosen by instructor and student. Essays and tutorial session required. Prerequisites: At least six credits of philosophy courses, evidence that the student is capable of carrying out independent study, and approval of instructor. This course may be repeated for up to six credits, or three times, whichever occurs first.

PHYS221
Principles of Physics I
(3,2) 4

General principles of rigid body mechanics (kinematics, forces, laws of motion, energy, momentum, rotation) and fluid mechanics. Prerequisites: Two years of high school algebra and one-half year of high school trigonometry with a math ACT score of 27 or better; or MATH108 and 111; or 140.

PHYS222
Principles of Physics II
(3,2) 4

Thermodynamics, vibrations and waves, electricity and magnetism, light, optics, relativity and modern physics. Prerequisite: PHYS221 with a grade of C or better.

PHYS224
Topics in Physics for Electrical Technology
(3,2) 4

Vibrations and waves, optics, relativity and modern physics (identical to PHYS222). Electricity and magnetism topics of particular relevance to electronic engineering technology. Prerequisites: PHYS221 with a grade of C or better, sophomore standing in EET course work, and MATH140 (which may be taken concurrently).

PHYS231
Applied Physics for Engineers and Scientists I
(3,2) 4

An introductory course in rigid body mechanics and fluid mechanics using calculus with emphasis on practical applications. Intended primarily for students of engineering, physical science and mathematics. Prerequisite: MATH151.

PHYS232
Applied Physics for Engineers and Scientists II
(3,2) 4

Continuation of PHYS231. Introduction to thermal physics, electricity, magnetism, electromagnetic waves, and optics. Prerequisite: PHYS231 with a grade of C or better.

PHYS290
Independent Study in Physics
(1-4,0) 1-4

Special studies and/or research in physics for individuals or small seminar groups. Course content to be arranged with instructor and with approval of the school chair. This course may be repeated for a maximum of eight credits. Prerequisites: Sophomore standing or higher and permission of instructor.

PNUR102

Drugs and Dosages

(2,3) 3

This course introduces the practical nursing student to dosage calculations and medication administration. Calculations for conversion between systems of measurement are covered. The seven rights of medication administration are emphasized. Categories of drugs, their actions, side effects and nursing implications are covered. Prerequisite: MATH087 or equivalent placement score.

PNUR104

Introduction to Practical Nursing

(2,0) 2

Introduction to Practical Nursing provides a theoretical foundation for practicing nursing care of adults within a variety of health care settings. Concepts such as practical nursing philosophy and conceptual framework, history of nursing, nursing's Code of Ethics, the role of nursing in the health care system with emphasis on the practical nurse, the nursing process, therapeutic communication, culture, and critical thinking are explored. Prerequisites: Permission of Chair of Nursing or Instructor only.

PNUR107

Understanding Clinical Nutrition Lab for Practical Nurses

(0,3) 1

This lab course is focused on the knowledge and skill practical nurses need to support the nutritional needs of people across the lifespan with a special emphasis on individuals with limited ability to meet their own nutritional needs. Strategies of providing nutrition associated with self care deficits are covered, including effective oral feeding techniques, use of thickeners or texture to enhance swallowing, tube feeding, and the principles of enteral feeding, elemental diets, IV therapy and hyperalimentation are presented. Prerequisites: BIOL105 or BIOL122 passed with a C or better; HLTH208 passed with a C or better or corequisite of HLTH208.

PNUR113

Fundamentals of Practical Nursing

(4,9) 7

Students will learn the basic skills necessary to provide safe, competent care of the acute and chronically ill residents in Long Term Care/Nursing Home settings. Focus will be on the care of the elderly. Through lecture, lab simulations, and actual clinical experiences the student will learn basic nursing skills; infection control; safety/emergency procedures; nursing interventions and apply communication/interpersonal skills to promote resident's independence; to respect residents' rights; and to recognize abnormal changes in the resident. Prerequisites: Co-requisite BIOL105 or Prerequisite BIOL122 with a grade of C or better.

PNUR201

Medical Surgical Practical Nursing

(6,12) 10

This course focuses on nursing care of the adult client experiencing common stressors affecting health. Emphasis is placed on the administration of medications,

collection and communication of relevant data, and implementation of basic nursing interventions. Prerequisites: PNUR102, PNUR104, PNUR113, all with a grade of C or better. Co-requisites: HLTH208, PNUR107.

PNUR202

Legal/Ethical Issues in Practical Nursing

(2,0) 2

This course focuses on the ethical and legal responsibilities and issues related to the safe practice of practical nursing. The role of the practical nurse and within the health care community is emphasized. Licensure responsibilities, career advancement and lifelong learning needs are incorporated. Prerequisite: PNUR201 with a grade of C or better.

PNUR205

Maternal/Child Practical Nursing

(3,6) 5

This course explores the family as the client beginning with the reproductive cycle, conception, fetal development, labor, birth and the care of the postpartum woman and newborn. At risk pregnancies and complications are identified. The course continues to address normal growth and development, immunizations, health risk factors, well-defined health problems common to children and their response to illness. Prerequisite: PNUR107, PNUR201, HLTH208, all with a grade of C or better.

PNUR206

Ambulatory Care Practical Nursing

(3,6) 5

The efficiency of a health care agency, and the quality of health care provided, depends in large part on the staff members who supplement and support the role of the provider for provision of quality patient care services. This course stresses strong interprofessional communication skills, organizational abilities, computer knowledge, and excellent human relationship skills in the ambulatory setting across the lifespan. Prerequisite: PNUR107, PNUR201, HLTH208, all with a C or better.

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POLI 110

Introduction to American Government and Politics

(4,0) 4

An introductory survey of American national government and politics.

POLI 120

Introduction to Legal Processes

(3,0) 3

An introduction to the nature and characteristics of law as it operates in the United States: structure and function of the judiciary, process of litigation, influences on law, and impact and enforcement of judicial decisions.

POLI 130

Introduction to State and Local Government

(4,0) 4

A study of the politics and organization of state and local governments, with an emphasis on specific policy issues such as education, criminal justice and economic development.

POLI 160

Introduction to Canadian Government and Politics

(3,0) 3

An introductory survey of Canadian government and politics.

POLI 201

Introduction to Public Administration

(3,0) 3

This course provides an overview of the field of public administration. It examines the types of organizations, the relation of administration to politics and public management.

POLI 211

Political Science Research and Statistics

(4,0) 4

An introduction to research methods and statistical applications in political science and public administration. Among other research methods, the course examines survey research, content analysis, experimental design and analysis of existing data. Introduces students to the basics of descriptive and inferential statistics, up through correlation and regression. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

POLI 222

Introduction to the Legal Profession

(3,0) 3

Students will become familiar with how the law functions, how the legal profession has evolved, how to prepare for and apply to law school, how law schools differ from college (including development of various methods and techniques to study the law). In addition, students will become aware of the legal profession and its demands, opportunities, options and trends. Prerequisites: POLI110, sophomore standing and/or permission of instructor. Also listed as LAWS222.

POLI 234

Women and Politics Around the World

(4,0) 4

This course will examine a broad range of issues involving gender and politics: the political participation of women, the history of women's movements, voting differences, political divisions among women, and the present political status of women in the United States and globally.

POLI 241

Introduction to International Relations

(4,0) 4

An introductory study of the factors that influence the conduct of international relations and of the various methods by which those relations are conducted. This material will then be applied to an examination of some appropriate current international controversies.

POLI 247

Model United Nations

(2,0) 2

This course includes required participation in the model United Nations program, in which students represent specific countries and become familiar with their background and politics. The goal is an understanding of how the United Nations functions. May be repeated for up to a total of four credits, but no more than two credits may be counted toward a political science major or minor. Prerequisite: Permission of instructor.

POLI 290

Research Topics in Political Science

(1-4,0) 1-4

This may take the form of either a research project or a program of directed reading on a specific topic. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. Prerequisite: Permission of instructor.

POLI 301

Policy Analysis and Evaluation

(4,0) 4

Examines how public issues and problems are analyzed to assist in the development of public policies. Considers the process of evaluating public programs to determine whether they are to be expanded, cut back or continued at the current level. Prerequisite: Permission of Instructor.

POLI 325

Politics and Media

(3,0) 3

Examines the impact of electronic and print media on contemporary American politics. Evaluates proposals for changing the method and role of media coverage of government and politics. Prerequisites: POLI110 and junior standing.

POLI 331

Comparative Politics of Western Europe and Russia

(4,0) 4

Institutions and functioning of government in major European states, such as Great Britain, France, Germany and Russia. Prerequisite: POLI110.

POLI 334

Middle East Politics

(3,0) 3

An examination of government and politics in the Middle East, with special emphasis on the influences of Islam and nationalism on both international and domestic

politics of the area. Prerequisite: Junior or senior standing.

POLI 342
International Environmental Policy
(3,0) 3

This course is intended to familiarize students with the efforts of the international community to establish policy guidelines designed to begin the regulation of the global environment. The course covers basic concepts to international relations necessary to understand the general workings of the nation-state system. It then begins an exploration of significant historical international environmental issues and the ways in which these have been dealt with by the international community. The course further challenges students by investigating various alternative solutions for solving the myriad of global environmental problems faced by all of humankind in the new century.

POLI 351
Political Philosophy I
(4,0) 4

An examination of political philosophy from the ancient Greeks through the Reformation, concentrating on Plato, Aristotle, Augustine, Aquinas and Machiavelli. Prerequisites: POLI110 and junior or senior standing.

POLI 352
Political Philosophy II
(4,0) 4

An examination of political philosophy from the seventeenth century to the twentieth century, concentrating on Hobbes, Locke, Rousseau, Hume, Burke, Bentham, Mill, Hegel, and Marx. The course includes analysis of the period's main ideologies: Conservatism, liberalism, socialism, communism, anarchism, fascism and national socialism. Prerequisites: POLI110 and junior or senior standing.

POLI 367
Congress and the Presidency
(4,0) 4

Examines the legislative and executive branches of government as parts of the policy-making process. Prerequisite: POLI110.

POLI 401
Principles of Public Administration
(3,0) 3

Examines major issues and methods in public administration. Analysis of specific public policy issues. Prerequisite: Advanced standing.

POLI 411
U.S. Foreign Policy
(3,0) 3

A study of the formulation and conduct of American foreign policy. Analysis of relevant factors, institutions which influence the formulation and conduct of policy; and an examination of selected foreign policies. Prerequisite: POLI110.

POLI 413

The International Legal Order

(4,0) 4

The primary objective of this course is to explore the reasons for the emergence of the international legal order as a crucial constraint on the freedom of action of national governments; that is, to understand the impact of the international legal order on contemporary international relations. It also seeks to introduce the substance of international law in selected issue-areas, and to provide an overview of the nature of international legal reasoning. Throughout the course, we shall emphasize the interaction of law and politics, and of national and transnational legal processes. Prerequisite: POLI110.

POLI 420

Politics of the World Economy

(4,0) 4

Power conflict at the international economic level and its impact on the politics of various nations, states, regions and interests. Prerequisites: POLI110 or 160, and junior standing, as well as either ECON201 or 202. POLI241 recommended but not required.

POLI 463

Seminar in Political Science

(1-3,0) 1-3

A reading and discussion seminar dealing with selected topics in political science. Course may be repeated with permission of instructor. Prerequisite: Junior or senior standing.

POLI 467

Constitutional Law and Civil Liberties

(4,0) 4

Principles of the American Constitution: separation of powers, federalism, the powers of the national and state governments, and limitations on the exercise of these powers as well as principles of the American Constitution respecting civil rights and liberties, The Bill of Rights, equal protection of the laws, citizenship and suffrage, and limitations on the exercise of those rights. Prerequisite: POLI120 or its equivalent.

POLI 490

Independent Study in Political Science

(1-3) 1-3

Independent research or directed study under the supervision of a faculty member. May be repeated for a total of nine credits. Prerequisite: Permission of instructor.

POLI 491

Senior Seminar I

(4,0) 4

The first course in a capstone sequence required of all political science majors. The course examines the history of political science and public administration and reviews contemporary approaches and recent research. Students prepare a research

proposal to be carried out in POLI492. Prerequisites: Political science major and senior standing.

POLI492
Senior Seminar II
(4,0) 4

Completion of the research project begun in POLI491. Students will make oral presentations of their project results at the end of the course to other students, faculty and invited guests. Prerequisite: POLI491.

POLI499
Political Science/Public Administration Internship
(1,9 - 27) 3-9

Students arrange, with the assistance and approval of the instructor, a supervised work experience in a governmental, community or nonprofit organization. Students perform professional tasks under the supervision of agency personnel. The students' review and evaluation of the work experience is under the direction of the instructor. Permission of the instructor required by the seventh week of the preceding semester. Course may be repeated to a maximum of nine credits.

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PSYC101
Introduction to Psychology
(4,0) 4

A general introduction to the systematic study of behavior and mental processes in humans and animals.

PSYC155
Lifespan Development
(3,0) 3

Human psychological development from birth to death. This course covers social, emotional and intellectual development across the lifespan.

PSYC201
Communication Skills in Counseling
(2,1) 3

This course covers the essential elements of establishing a therapeutic relationship, including active listening skills, empathy and confrontation. Students both explore their potential to be congruent and authentic as counselors and demonstrate counseling skills with voluntary, involuntary and crisis counselors. No prerequisite.

PSYC210
Statistics
(3,0) 3

Introduction to basic statistical methods of analyzing psychological data. Emphasis is placed on statistical inference, e.g., t-tests, F-tests and selected non-parametric tests. This course provides students with basic statistical concepts and skills

necessary for laboratory and survey work, and for understanding psychological literature, and introduces them to statistical analysis on the computer. MATH207 may be used in place of PSYC210 to meet the psychology major and minor requirements. Prerequisite: MATH088 or equivalent/satisfactory score on ACT or Placement Exam.

PSYC212

Experimental Psychology

(3,2) 4

An examination of the basic research methods employed in the social sciences with emphasis on the experiment. Topics: Epistemology, laboratory experiments, field experiments, survey construction, correlational research. Students will each participate as a subject and an experimenter, collect data, analyze data, and write a laboratory report according to the editorial style of the American Psychological Association. Laboratory assignments require use of computer applications for experimental purposes, including running experiments and collecting data, analyzing results, creation of appropriate figures, and communication of results in text and oral presentations with slides. Prerequisites: PSYC101 and either PSYC210 or MATH207.

PSYC217

Social Psychology

(3,0) 3

Topics include attitude formation and change, interpersonal attraction, aggression, altruism, conformity and environmental psychology.

PSYC240

Behavior Management

(3,0) 3

Systematic introduction to behavioral concepts and techniques. Self-management applications and behavioral assessments in applied settings serve as practical lab experiences.

PSYC259

Abnormal Psychology

(3,0) 3

This course is a systematic investigation of the identification, dynamics and treatment of deviant and maladaptive behavior.

PSYC265

Child and Adolescent Development

(3,0) 3

Psychological development of the child through adolescence. Social, emotional and intellectual development are covered, with consideration of genetic, prenatal and postnatal influences. Prerequisite: PSYC101, 155 or EDUC150.

PSYC291

Group Counseling

(3,0) 3

This course examines the theory, techniques and practice of group counseling. Students will become familiar with basic group process, theoretical perspectives and their application to group counseling. Prerequisite: PSYC201.

PSYC301

Exceptional Child and Adolescent

(3,0) 3

The study of physically, intellectually and socially exceptional children and adolescents, including their characteristics and unique educational needs. Prerequisite: PSYC155 or 265.

PSYC311

Learning and Motivation

(3,0) 3

An introduction to the theory and research of learning. Factors are examined that influence the acquisition and performance of behaviors in classical and instrumental learning paradigms. Prerequisite: PSYC212.

PSYC357

Personality Theory

(3,0) 3

This course surveys the major psychological theories used to conceptualize, treat and research personality issues. Prerequisite: 12 hours of psychology.

PSYC385

Health Psychology

(3,0) 3

This course covers psychoneuroimmunology and stress as they impact on human health and disease as well as psychological interventions which promote physical well being and healing. Prerequisite: Junior standing.

PSYC391

Family Therapy

(3,0) 3

This course applies a systems framework to the understanding of family dynamics and introduces structural perspectives and modalities for family intervention. Prerequisites: PSYC101 and junior standing.

PSYC396

Tests and Measurements

(3,0) 3

This course has two parts. Part one covers measurement theory, the properties of the normal curve, reliability, validity and measurement statistics. Part two reviews major tests used by researchers, educators, clinicians, counselors, addictions counselors and industrial psychologists. Prerequisite: SOCY302 or PSYC210 or MATH207 or equivalent.

PSYC456

History and Systems of Psychology

(3,0) 3

An examination of persons, events, theories, schools and systems that influenced and define contemporary psychology. Prerequisite: PSYC311.

PSYC457

Cognition

(3,0) 3

A survey of recent findings on cognition in humans. Topics include learning, memory, problem solving, language and complex perceptual processes. Prerequisite: PSYC311.

PSYC459

Physiological Psychology

(3,0) 3

This course is an introduction to the neurophysiological structures of the brain and their functions as regulators of animal and human behavior. Prerequisite: PSYC311.

PSYC490

Research Topics in Psychology

(1-4) 1-4

This may take the form of either a research project or a program of directed reading on a specific topic. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. May be repeated up to a total of six credits. Prerequisite: Permission of instructor.

PSYC495

Senior Research Practicum

(0,3) 3

A practicum under the guidance of a faculty mentor. The student will conduct an empirical research project based on the proposal submitted by the student in PSYC498. Prerequisite: PSYC498. Corequisite: PSYC499.

PSYC498

Senior Research I

(3,0) 3

The study of methods employed in gathering data for research purposes including direct observational techniques and self-report measures. Students will also learn to use the computer to gather data, analyze data and present data graphically; and will develop a research prospectus. Prerequisites: PSYC212, PSYC311 and either PSYC210 or MATH207.

PSYC499

Senior Research II

(1,0) 1

Issues in the development and implementation of an empirical research project, including design, statistical analyses, ethical review, and modes of presentation. Prerequisite: PSYC498. Co-requisite: PSYC495.

READ091

Preparation for College Reading

(3,0) 3

Introduces reading strategies and study skills necessary for college success. Through integration of acquired knowledge and reading practice, students will develop strategies for vocabulary expansion, comprehension, critical thinking, and increase reading rate. Students must earn a minimum grade of C to pass the course. Credit received in this course does not count toward graduation. Prerequisites: none.

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RECA103

Badminton and Racquetball

(0,2) 1

This course will serve to introduce the student to two racquet sports: Racquetball and badminton. The course will offer each sport for 7.5 weeks and then the student will rotate to the other racquet sport.

RECA105

Bowling

(0,2) 1

This course will emphasize delivery, scoring etiquette, strategies for converting spares, spot vs. pin bowling, and learning about handicapping. The course will involve theory as well as practical experience.

RECA106

Backpacking

(0,2) 1

Introduction to equipment, safety precautions, environmental concerns and skills needed to successfully backpack. Class will experience a weekend backpacking trip.

RECA107

Canoe Techniques

(0,2) 1

This course will introduce the student to the basic strokes and canoe safety associated with flat water canoeing.

RECA109

Rock Climbing and Rappelling

(0,2) 1

This course will introduce the student to the components associated with top rope climbing and rappelling. The student will become familiar with equipment, knots, setting up a safe site, terminology and technique.

RECA110

Golf

(0,2) 1

This course is designed to provide the beginning golfer with the fundamentals of the activity and to further play as a lifetime recreational activity.

RECA114

Self Defense

(0,2) 1

This course is designed to introduce the student to the philosophy, concepts and various strategies associated with the martial arts. Physical and mental conditioning and physical techniques associated with the art of self defense will be presented and practiced.

RECA115

Tai Chi

(0,2) 1

Tai Chi is a soft martial art that promotes \"a long life and good health\" while improving range of motion, balance, centeredness, and a quiet mind. The Tai Chi 24 Forms Set is the most practiced style throughout the world and will be taught in this class along with utilizing Chi Kung for warm up and cool down exercises.

RECA116

Kickboxing

(0,2) 1

Kickboxing combines martial arts techniques with cardio conditioning as a high energy, total body workout. Course may be repeated twice for credit.

RECA119

Cross Country Skiing

(0,2) 1

This course will introduce the student to the sport of cross country skiing. Emphasis will be placed on basic skill development, equipment selection, maintenance of equipment and the enjoyment of winter and the beauty it has to offer. The majority of class time will be spent skiing; class instruction will occur during the ski, usually on a one-to-one basis to meet the needs of the student.

RECA120

Downhill Skiing and Snowboarding

(0,2) 1

The students will be provided with an opportunity to learn the basic fundamentals of downhill skiing and snowboarding and to gain sufficient knowledge of the sport so they may continue to enjoy and improve for the rest of their lives.

RECA125

Tennis

(0,2) 1

This course is intended to develop each student's present knowledge and skills in order that they will be able to pursue tennis as a lifetime leisure activity.

RECA127

Volleyball

(0,2) 1

This course is designed to develop basic skills and progression in power volleyball. Conditioning, drill, game tactics and rules will be practically applied.

RECA129

Basketball

(0,2) 1

This course is designed to expand each student's present knowledge and skill specific to skill execution, game play, game strategy and rules. May not be repeated for credit. Not available for credit to any student/athlete playing intercollegiate basketball.

RECA130

Intercollegiate Sports Skills

(0,2) 1

Will meet as directed by instructor. The course is designed for student-athletes involved in intercollegiate athletics. It provides the opportunity to develop advanced skills in their respective sports. The course may be taken two times for a total of two credits. It may be taken only once per academic year and only during the term in which the student-athlete is participating in an intercollegiate sport.

RECA150

Individualized Physical Fitness

(0,2) 1

This class is designed to enable the student to discover his or her own level of fitness and develop and implement an exercise program that will address personal fitness concerns. Central to this process is introducing the student to various aspects of a balanced fitness program and providing personal assistance to the student in selecting beginning fitness goals and appropriate progression of those goals.

RECA151

Jogging and Walking for Fitness

(0,2) 1

Introduction to jogging and walking as means of developing physical and mental fitness. Development of an activity ideal for lifetime leisure involvement.

RECA153

Weight Training

(0,2) 1

This class is designed to familiarize each student with basic weight training knowledge. The student will become familiar with muscular systems, functions, and safe and effective ways to organize and implement a weight training routine.

RECA154

Yoga

(0,2) 1

This course will cover the history, theory principles and benefits contraindications and methods of yoga as well as the application of yoga asanas, breathing techniques and relaxation method.

RECA173

Social Dance

(0,2) 1

This course is designed to provide participants with a broad range of dancing patterns and rhythmic skills. Through social interaction, the following social dances will be learned: Mixers, round dance, square dance and ballroom dance.

RECA174

Aerobic Dance

(0,2) 1

This course will provide the student with an opportunity to become involved in a structured aerobic dance program. The purpose of this type of programming is to improve an individual's physical fitness through rhythmic and dance activities.

RECA175

Step Aerobics

(0,2) 1

A step workout is a high-intensity, low-impact aerobic workout for all fitness levels. The principle is to step up and down on a platform while simultaneously performing upper-body exercises. The program will work every major muscle group in the lower body, while training the upper body.

RECA180

Beginning Skating

(0,2) 1

The students will be provided with an opportunity to learn the basic fundamentals of skating and to gain sufficient knowledge of the sport so that they may continue to enjoy and improve for the rest of their lives.

RECA190

Aquatic Fitness

(0,2) 1

This course will introduce students to developing cardiovascular fitness, muscular strength and muscular endurance through aquatic activities as an alternative to weight bearing forms of exercise. Water related exercises and activities will be utilized to improve physical fitness. Individuals of all fitness levels will enjoy getting fit in the water.

RECA194

Scuba

(0,2) 1

This course is designed to introduce the student to the appropriate and safe use of self-contained underwater breathing apparatus.

RECA195

Beginning and Advanced Beginning Swimming

(0,2) 1

Course meets in pool two hours a week. Mostly lab work but some lecture. Students cover material in Red Cross beginner and advanced beginner courses and receive certification in one or both depending on skill level attained.

RECA210

Lifeguarding

(0,4) 2

Course meets in pool four hours a week. Mostly lab work, some lecture. Students cover material in Red Cross Basic and Emergency Water Safety course and Red Cross Lifeguarding course. Students receive certification in one or both depending on skill level attained. Either certificate qualifies students to take water safety and lifeguarding Instructor course, RECA211. Prerequisite: Red Cross intermediate swimming certificate or equivalent skills.

RECA211

Water Safety and Lifeguard Instructor

(0,4) 2

Course meets four hours a week, 70 percent of the time in the pool and 30 percent of the time in the classroom. All students cover material in Red Cross water safety instructor course and do a teaching practicum at the Lake Superior State University pool. Those students entering with a current lifeguarding card may also cover lifeguarding instructor material. Prerequisites: Current Emergency Water Safety or Lifeguarding certificate.

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RECS101

Introduction to Recreation and Leisure Services

(3,0) 3

Overview of philosophy, history, theory, programs, professional leadership and organizations, economics and leisure service delivery systems.

RECS105

Program Development and Leadership

(3,0) 3

Principles of leadership skills and styles are applied to various recreation settings with emphasis on group interaction and face-to-face leading. Programming fundamentals for effective leisure services delivery are explored and implemented. Also listed as EXER105.

RECS212

Instructional Methods in Adapted Aquatics

(1,2) 2 alternate years

Based on American Red Cross adapted aquatics guidelines, the course is designed to help students develop skills used when planning, implementing, instructing, and evaluating water activity programs for those with a disability. Current water safety instructors (WSI) may become American Red Cross certified as adapted aquatics instructors. People who do not have a WSI may become American Red Cross certified adapted aquatics aides.

RECS220

Methods in Arts and Crafts

(3,0) 3 alternate years

A variety of arts and crafts media are studied and applied to specific recreation settings with concentration on leading and programming. Prerequisites: RECS101 and 105.

RECS262

Outdoor Recreation

(3,0) 3

This course will introduce the student to a variety of topics and content areas related to outdoor recreation. These topics will include outdoor education, organized camping and adventure education. Also included will be an opportunity to become familiar with outdoor living skills. Prerequisite: RECS105.

RECS270

Sports Management

(3,0) 3 alternate years

This course will provide philosophies, organization techniques and administration principles for youth sports, officiating, intramurals, organized athletics and recreational sports. Issues on assessment, design, implementation, and evaluation for sports programs in today's society will be explored. Investigation of appropriate resources, professional organization's impact, training methods, certification processes and gender issues will be highlighted.

RECS280

Readiness in Games, Activities and Sports

(3,0) 3 alternate years

This course will focus on the selection and implementation of games, activities and sports which are age-appropriate for the clientele being served. Psychological, sociological, emotional and physiological readiness will be studied as it relates to implementation, modification and presentation of games, activities, and sports to various age groups. Both positive and negative outcomes will be identified.

RECS295

Practicum

(1-2,0) 1-2

Practical experiences designed to provide the student with various types of recreation programs. The student will work under a site supervisor specialized in that particular area of the student's interest. One credit hour for every 45 hours of practical experience. May be repeated for up to four credits. Prerequisite: Instructor permission

RECS320

Dance and Rhythmic Activities for Recreation

(3,0) 3 alternate years

Study of dance in social and therapeutic settings; developing skills to lead programs and adapt a variety of rhythmic activities for individuals and groups: Creative movement, improvisation, variety of social dance, historical significance to actual implementation. Prerequisites: RECS101 and 105.

RECS344

Adapted Sports and Recreation

(3,0) 3

A study of specialized recreational and athletic opportunities available to individuals with illnesses and disabilities. Related associations, equipment, rules and classifications, resources and research will be encountered for a wide range of activities and conditions. When available, practical opportunities will be included as part of the learning process. Prerequisite: junior standing.

RECS360

Facilitation and Interpretation Techniques

(2,2) 3

This course is designed to serve recreation students who are interested in facilitating outdoor or adventure based programs, and/or become interpreters in an outdoor or parks environment. The course will expose the student to a wide variety of facilitation/interpretation methodologies. The student will be involved in both learning and practicing these techniques. Examples of these techniques would include such things as utilization of the metaphor, and Haiku. This class will also travel to different outdoor facilities, such as outdoor education centers and state historical sites. This will enable the students to facilitate experiences in an environment unavailable at LSSU (example, a high ropes course) and to interface with individuals who provide facilitation and interpretation as a part of their professional responsibilities. Prerequisites: RECS105, RECS262.

RECS362

Land Management for Recreation Purposes

(3,0) 3

This course is designed to meet the needs of the student pursuing a parks and recreation degree. Provides insight and understanding for problems inherent to managing recreation lands for optimum use and minimum impact. Also, for recreation majors in outdoor recreation option. Prerequisites: RECS101 and RECS262 or NSCI103 and EVRN131.

RECS365

Expedition Management

(2,2) 3

Intensive study of performance, programming, leadership and management skills involved in conducting wilderness and back country recreation programming. The student will become aware of various theoretical support structures and paradigms associated with adventure education and the values associated with the use of outdoor programming as a therapeutic intervention modality. Course content includes: Initiating and programming wilderness/back country experiences, group

dynamics and outdoor living skills. A ten-day outing is required immediately upon completion of the semester. Prerequisite: RECS262.

RECS367

National Parks, National Monuments and National Culture

(3,0) 3 alternate years

This course will focus on the historical development of national parks and the affiliated National Land Ethic. Included in the presentation will be a study of the social, cultural, aesthetic and economic history which fostered the development of a national attitude that favored the "national park" concept. The course will also emphasize the emergence of national parks in this country as a representative of our national cultural history. The course will trace the historical development of a land ethic. It will also trace an emerging aesthetic awareness of land among people who arrived to this continent from Central Europe during the 1600s. This Central European land ethic will be compared to the land ethic of Native Americans. Both of these will be traced through this country's history and will serve as a basis for anticipating future land management trends and issues.

RECS370

Recreation for the Elderly

(3,0) 3 alternate years

Geared to individuals who will be working with senior citizens in recreation programs, hospitals, nursing homes and family members. The aging process will be studied from the perspective that sound principles will be applied to leading and programming for this growing segment of our population. Prerequisites: RECS101, 105 and 200-level recreation electives; or NURS290 and HLTH352.

RECS375

Commercial Recreation

(3,0) 3 alternate years

An introduction to the scope, characteristics and management aspects of the commercial recreation industry. Substantial coverage of entrepreneurial strategies, economic concepts applied to commercial recreation, steps for creating feasibility studies, and operation management. An in-depth study of specific commercial recreation programs including travel, tourism, hospitality, club, and the entertainment industry will be included with emphasis on present and future trends and career opportunities. Prerequisites: RECS105 or BUSN121, ACTG230, ECON202 and FINC245.

RECS390

Recreation Leader Apprenticeship

(1,0) 1

Practical experience in learning to teach and lead various recreation experiences. Students serve with qualified instructors. Prerequisite: Basic skills and knowledge of activity and instructor permission. May be repeated for a total of three credits.

RECS397

Recreation Studies Junior Research Seminar

(1,0) 1

Introduces the concepts, purpose, methods and function of scholarly research and scientific inquiry. Prerequisites: junior standing, and majoring in recreation

management or parks and recreation.

RECS435

Research in Recreation and Leisure Sciences

(3,0) 3

This course will serve as a culminating educational component for the student majoring in therapeutic recreation and recreation management. The course will focus in part on current problems and issues in therapeutic recreation and will also have a major emphasis on developing an original research project. Prerequisites: RECS397 and MATH207, or PSYC210 or comparable statistics course.

RECS437

Recreation Studies Senior Research Seminar

(1,0) 1

The focus of this course is to provide instruction and experience relative to data analysis and presentation methodologies affiliated with conducting research. The students will apply the procedures and methodologies discussed in class directly to their research projects. Prerequisite: RECS435.

RECS450

Philosophy of Human Performance and Leisure

(3,0) 3

A study of the origins and development of leisure behavior, sport, athletics and personal fitness across cultures. Ethical issues such as violence, opportunity, exploitation, role models and equity will be examined. Prerequisites: EXER262 or RECS101 and junior status. Also listed as EXER450.

RECS481

Professional Development Seminar

(1,0) 1

Opportunities for students to refine personal and professional goals and initiate preparation of resumes and interviewing skills. Career planning and placement will be emphasized as well as internship evaluation. Seminar format. Prerequisite: Senior status required.

RECS482

Administration of Recreation and Leisure Services

(4,0) 4

This course will emphasize organizational patterns and administration problems encountered in operating various types of recreation departments and agencies. Additional content will include budgeting, fund raising, grant writing, personnel management and public relations. Prerequisites: RECS105 and junior standing.

RECS492

Internship

2-6

This is a comprehensive practical application of the student's formal academic preparation. Prerequisites: Completion of 20 of the 25 hours of departmental core requirements and junior or senior standing and instructor permission.

RECS496

Selected Research Topics

(1-3,0) 1-3

Student carries out approved project(s) of his/her own initiative. Prerequisite: junior standing and instructor permission.

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SERV100

University Success Strategies

(1,0) 1

Based on assessment of student inventories, students are provided the opportunity to improve their study skills, methods of time management, modes of memorization, note-taking techniques, and university examination preparation. Emphasis is placed on making the transition to university life by focusing on various academic strategies and exposing students to basic information on LSSU programs, policies and procedures.

SERV125

Career Planning and Decision Making

(1,1) 1

Expanding awareness of personal strength and career options, this course will help students make realistic decisions relating to planning and implementation of academic and life career goals. Follows a student self-directed framework utilizing video-tapes and career/self-exploration to complete assignments. Prerequisites: student must be fully admitted for enrollment at LSSU and currently enrolled in six (6) credits.

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SOCY101

Introduction to Sociology

(4,0) 4

This course introduces students to core sociological theorists and perspectives, including functionalism, conflict and symbolic interactionism, and familiarizes them with basic research designs, terminology and findings within the context of collective behavior and social movements.

SOCY102

Social Problems

(4,0) 4

An introductory to descriptions, theories, proposed solutions, and research methods for a variety of social problems including inequality, poverty, unemployment, environmental issues, family problems, and violence.

SOCY103

Cultural Diversity

(3,0) 3

This course introduces the student to racial, ethnic, gender and social class variation within the United States and the global community to enable the student to better understand, live with, and appreciate diversity.

SOCY113

Sociology of the American Family

(3,0) 3

A study of the development and change of the American family since 1890. This study will explore the impact of urbanization, industrialization, increased mobility, extended education and the changing status of women on the American family.

SOCY214

Criminology

(3,0) 3

A study of the nature and causes of crime and the results of various attempts to reduce crime.

SOCY227

Population and Ecology

(3,0) 3

Study of the basic issue of the world's population increase and distribution in relation to natural resources, standards of living, political systems, changes in physical and cultural environments.

SOCY238

Social Psychology

(3,2) 4

This course examines the social nature of humans, exploring both the influence of social structures upon behavior and the process by which people create social structures; explains symbolic interactionist theory; and introduces qualitative research methods which are applied in a field study conducted by the student. Prerequisite: SOCY101 with a grade of C or better, ENGL110, with a grade of C or better.

SOCY301

Social Research Methods

(3,0) 3

Identification of research problems, concepts and theoretically derived hypothesis; Review of principle methods of experimental design, survey and field research and unobtrusive analysis. Prerequisite: Junior Status or Permission of Instructor.

SOCY302

Statistics for Social Science

(4,0) 4

The social foundation of statistical inference is discussed and elementary statistical concepts are introduced through numerical problems: Z scores, t-test, chi square, correlation, ANOVA, etc. Prerequisite: MATH088 or equivalent/satisfactory score on

ACT or Placement Exam.

SOCY310

Development of Sociological Theory

(3,0) 3

A critical analysis of the contributions to sociological theory by Comte, Spencer, Marx, Durkheim, Pareto, Weber and others. Prerequisite: SOCY238.

SOCY311

Contemporary Sociological Theory

(3,0) 3

Critical analysis of major sociological theories of the 20th and 21st centuries. Prerequisite: SOCY238.

SOCY314

Social Change

(3,0) 3

Study of trends in industrial societies, theories explaining these changes, and the role of social movements in social change; focusing primarily on industrialized societies with some discussion of developing countries. Prerequisite: Junior standing or three hours of sociology.

SOCY321

Sociology of Women

(3,0) 3

This analysis of the roles and status of women in contemporary American society covers social structure, social psychology and social movements; also includes some cross-cultural comparisons.

SOCY326

The Sociology of Aging and the Aged

(3,0) 3

Examines aging and the aged in American society from the sociological perspective.

SOCY327

The Sociology of Dying and Death

(3,0) 3

Sociological examination of dying and death.

SOCY338

Deviance

(3,0) 3

Analysis of causes and consequences of deviant behavior and the development of deviant subcultures; examination of various societal responses to control deviance and their effectiveness. Prerequisite: Junior standing or three hours of sociology and/or human services.

SOCY339

Culture and Personality

(3,0) 3

Analysis of the role of culture in shaping personality using both contemporary industrial society and also cross-culture material. Prerequisite: Three hours of sociology or junior standing.

SOCY399

Sociology Junior Seminar

(1,0) 1

Students will develop a proposal for their senior project through lecture and discussion, mentoring by seniors, and collaboration with colleagues. Prerequisites: SOCY238, 304, 302, and SOCY/SOWK202.

SOCY401

Sociology Seminar I

(1,0) 1

Meetings provide instruction for the senior project covering locating sources, moving from theory to research, constructing a review of literature and designing methods. Prerequisite: SOCY399.

SOCY402

Sociology Seminar II

(1,0) 1

Class meetings provide instruction for the senior project, focusing upon designing and conducting research, analyzing data, completing final report, preparing poster and formal presentation. Prerequisites: SOCY401 and 495.

SOCY490

Independent Research Topics in Sociology

(1-4) 1-4

This may take the form of either a research project or a program of directed reading on a specific topic. One to four credits over a period of one or two semesters may be granted according to the nature of the student's project. May be repeated to a total of six credits. Prerequisite: Permission of instructor.

SOCY495

Senior Project I

(0,6) 2

In this practicum, under the guidance of a Sociology faculty member, the student prepares a review of literature and research plan for an independent research project in Sociology. Prerequisite: SOCY399.

SOCY496

Senior Project II

(0,6) 2

In this practicum, under the guidance of a Sociology faculty member, the student

refines the research plan prepared in SOCY495, gathers data, completes an analysis, writes up the findings, presents the study in a public forum and prepares a poster. Prerequisites: SOCY401 and 495.

SOCY497

Community Action Project

(1,6) 3

This is an applied course in which, under the guidance of a sociology faculty member, the student carries out a practical project designed to address a community need identified in and elaborated upon in SOCY495. Prerequisites: SOCY401 and SOCY495.

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SOWK110

Introduction to Social Work

(3,0) 3

A general introduction and overview of the social work profession including its philosophy, values, professional roles, current trends and models in different practice settings (i.e. public welfare, child and family services, mental health, medical settings, etc.).

SOWK204

Fundamentals of Drug Abuse

(3,0) 3

Examines the pharmacology of commonly abused psychoactive and high-use drugs. Emphasizes the physiological effects of drug use and abuse. Topics include stimulants, depressants, opiates, hallucinogens, inhalants, cannabis, over-the-counter drugs, alcohol and drug testing. Prerequisite or Corequisite: BIOL105 or equivalent.

SOWK250

Social Work Practicum

(1,9-27) 3-9

This course provides a field placement opportunity for students to practice skills and use knowledge gained from courses in skill minors. Prerequisite: Permission of instructor. Credit/No credit grade.

SOWK292

Substance Abuse: Prevention and Treatment

(3,0) 3

This course examines current prevention, detection and treatment approaches for substance abuse and addiction.

SOWK301

Alternative Dispute Resolution and Conflict Management

(3,0) 3

This course explores non-judicial avenues of dispute or conflict resolution such as

negotiation, mediation, arbitration, as well as court-annexed alternative dispute resolution mechanisms. The procedural aspects, key elements, ethical considerations and practical applications of alternative dispute resolution are discussed as part of the dispute resolution landscape. The course will also include dispute resolution and conflict management simulations and case studies. Prerequisite: LAWS202 or junior standing. Also listed as LAWS301.

SOWK305

Tribal Law and Government

(3,0) 3

A study of tribal law which will explore such areas as the structure of tribal government; tribal sovereignty; treaties; civil and criminal court jurisdiction in Indian country; tribal resources; tribal economic development; taxation and regulation; rights of individual Indians; and various federal laws and court cases concerning and affecting tribes and their members. Prerequisites: HIST230 and NATV230. Also listed as LAWS305/NATV305.

SOWK310

Clinical Practice and Diagnosis

(3,0) 3

Student will learn skills in developing psychosocial history, treatment plans, becoming familiar with diagnostic criteria and categories, and appreciating the uses and limitations of various diagnostic schemes. Prerequisite: PSYC201.

SOWK341

Addiction

(3,0) 3

Study of the nature of drug dependency with emphasis on social and cultural variations in patterns and consequences of use. Prerequisites: either junior standing or sophomore standing together with HMSV204.

SOWK344

Social Welfare Systems

(3,0) 3

Analysis of social welfare systems in the U.S. including history, philosophy, cross-cultural comparisons, and current issues. Prerequisites: Junior standing or completion of SOWK110 or completion of HMSV204

SOWK480

Grantwriting

(3,0) 3

This course gives advanced students experience in the research, writing and planning skills involved in preparing grant proposals for human service problems.

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SPAN161

First-Year Spanish I

(4,1) 4 fall

Introduction to basic Spanish grammar and vocabulary, designed to acquaint the student with the essentials of oral and written Spanish.

SPAN162

First-Year Spanish II

(4,1) 4 spring

Further study of Spanish grammar and vocabulary; emphasis on oral communication; reading of various materials in Spanish with the aim of understanding the meaning, enlarging the vocabulary and using Spanish for communication. Prerequisite: SPAN161 or equivalent.

SPAN165

Spanish for Public Safety

(4,1) 4 on demand

A continuation of SPAN161, with emphasis on vocabulary relevant to work in criminal justice. Prerequisite: SPAN161 or equivalent.

SPAN261

Second-Year Spanish I

(3,1) 3 fall

Intensive review of grammar and further vocabulary development. Emphasis on composition and conversation based on the reading of Spanish texts and newspapers. Prerequisite: SPAN162 or equivalent.

SPAN262

Second-Year Spanish II

(3,1) 3 spring

Acquisition of advanced skills in composition, grammar, reading and conversation, using media and readings related to the Hispanic world. Corequisite: SPAN262 or equivalent.

SPAN301

Study Abroad

(8,0) 8 summer

Students admitted by the faculty of the Spanish Department will take a variety of classes at an accredited institution in a Spanish-speaking country. Students will spend a minimum of 30 hours per week in class. They will also be required to visit sites for archaeological, historical and cultural importance. The students' work and progress will be monitored and evaluated by the LSSU Spanish Department in cooperation with the foreign institution. Prerequisite: Students must have completed a minimum of two courses of Spanish at LSSU and obtain the professor's permission. *Credit for this course may be applied to fulfill the requirements for a Spanish major or a Spanish minor. This course cannot be repeated.

SPAN361

Advanced Spanish Grammar

(3,0) 3

Acquisition of advanced skills in composition, grammar, reading and conversation,

using media and readings related to the Hispanic world. Corequisite: SPAN262 or equivalent.

SPAN362

Advanced Spanish Composition

(3,0) 3

This course is designed to improve writing skills in Spanish through extensive and intensive reading of Spanish and Spanish-American fiction. Prerequisite: SPAN262. Corequisite: SPAN361.

SPAN368

Selected Topics in Conversation

(2,0) 2

Class assignments and readings provide the basis for in-class discussion at post-intermediate level. Students will be given the opportunity to practice vocabulary and grammar structures in life-like situations and contexts. Prerequisites: SPAN361 and 362.

SPAN380

Survey of Spanish-American Literature I

(3,0) 3

Class is a survey course of Spanish-American literature from the Spanish Conquest to 1880. It will cover readings from diverse genres and periods, beginning with an examination of precolumbian indigenous texts and ending with an overview of the development of modernismo. Prerequisites: SPAN361 and 362.

SPAN381

Survey of Spanish-American Literature II

(3,0) 3

Elective survey course of Spanish-American literature from 1880 to present day. It will cover readings from diverse genres and periods, beginning with an examination of modernismo, and culminating with selections from prominent recent literary works. Prerequisites: SPAN361 and 362.

SPAN401

The Spanish Novel

(3,0) 3

The class will focus on the study of selected 19th and 20th Century Spanish peninsular novels. Theme and content of course may vary from semester to semester. With the instructor's permission, this course may be repeated, and students may acquire up to six hours of credit for SPAN401. Prerequisites: SPAN361 and 362.

SPAN402

The Spanish-American Novel

(3,0) 3

This class will focus on the study of selected Spanish-American novels. Theme and content of course may vary from semester to semester. With the instructor's permission, this course may be repeated, and students may acquire up to six hours

of credit for SPAN402. Prerequisites: SPAN361 and 362.

SPAN410

Spanish-American Civilization

(3,0) 3

This course will focus on the study of the history and culture of Spanish-America. The textbook will be supplemented with additional collateral readings; students will prepare both oral and written reports in Spanish on various assigned topics throughout the semester. Prerequisites: SPAN361 and 362.

SPAN411

Spanish Civilization

(3,0) 3

This course will focus on the study of the history and culture of Spain. The textbook will be supplemented with additional collateral readings; students will prepare both oral and written reports in Spanish on various assigned topics throughout the semester. Prerequisites: SPAN361 and 362.

SPAN412

Hispanic Literature of the Southwest

(3,0) 3

This course will examine the post-WWII development of Chicano culture in the southwestern United States as reflected through literature and the fine arts. Students will read a broad spectrum of popular Mexican-American literary works from 1945 to present day. Prerequisites: SPAN361 and 362.

SPAN490

Topics in Hispanic Literature

(1-4,0) 1-4

The content of this elective course will vary from semester to semester. Students may repeat SPAN490 once, and in so doing, acquire up to six hours credit for their degree plan with this class. Areas of study will include, but not be limited to, specific genres, periods, authors and literary movements. Prerequisites: SPAN361 and 362.

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THEA112

Acting for Beginners

(2,2) 3

This course provides an exciting, fun, and safe environment to begin a college-level study of acting. These simple, doable acting techniques will help students express their ideas and thoughts more fully. Working to get students present in the moment, this course will introduce physically active games and exercises that activate all the actor's tools including breath, body, face, voice, and knees through releasing tension and embracing the imagination. Open to all majors.

THEA162

Practicum-Acting in Practice

(1,0) 1

Practicum provides practical experience in the work of the theatre artist by acting in a production of LSSU theatre or its equivalent in the community. Students will spend a minimum of 45 hours in an approved work setting for each hour of credit and required to keep a record of such hours with the instructor of record in charge of the practicum. (May be repeated once for a maximum of 2 credits.) Prerequisite: Permission of Instructor.

THEA163

Practicum-Production Team

(1,0) 1

Practicum provides practical experience in assisting with the various non-performance production aspects associated with LSSU productions. Students are expected to spend a minimum of 45 hours in an approved work setting for each hour of credit and required to keep a record of such hours with the instructor of record in charge of the practicum. (May be repeated once for a maximum of 2 credits.) Prerequisite: Permission of Instructor.

THEA164

Practicum-Healthcare Simulation

(1,0) 1

Practicum provides practical experience in the work of the theatre artist in assisting LSSU's diverse healthcare programming. Students will receive acting training and 'act' in various real world scenarios for healthcare simulations associated with programs like, but not limited to, nursing and EMS training. Students will be expected to spend a minimum of 45 hours in an approved work setting for each hour of credit and required to keep a record of such hours with the instructor of record in charge of the practicum. This course is open to all students. (May be repeated once for a maximum of 2 credits.) Prerequisite: Permission of Instructor.

THEA212

Improvisational Acting

(2,2) 3

No script. No lines. No set. Step outside the box and make the best of it! Improvisational acting gives students a creative opportunity to free the imagination, build self-confidence and let go. The course introduces the structure and training vital to successful improvisational theatre. Build ensemble, poise, and learn to trust yourself. Prerequisite: THEA112 or Permission of Instructor.

THEA251

Theatre History

(3,0) 3

This course delves into various historic and groundbreaking movements in theatre throughout time.

THEA309

Survey of Great Playwrights

(3,0) 3

This course is designed to study the best of the best playwrights in theatre history and the various theatrical genres and creative challenges involved in the production of their work. Prerequisite: THEA251 or Permission of Instructor.

THEA312
Acting Shakespeare
(3,0) 3

Shakespeare wrote his plays to be spoken - to be acted. This course will immerse the student in an exciting study of Shakespeare's language and its heightened structure so as to bring it to life. Prerequisite: THEA212 or Permission of Instructor.

THEA333
Play Analysis
(3,0) 3

This course will reveal techniques used by theatre artists to dissect plays so as to offer intelligent, creative, and dynamic productions by studying an exciting, diverse collection of plays. Prerequisite: THEA251 or Permission of Instructor.

THEA412
Acting Studio
(3,0) 3

Acting Studio deepens the study of the craft - providing technique to the more disciplined actor. The course explores the tools used to deliver actors to a technique that frees the self, imagination and sense of play, in other words, to what acting really feels like. Stella Adler, Stanislavski, Morris Carnovsky, and Meisner will lead our study. Our exploration will make use of monologues and scene work from various classical and contemporary playwrights. Prerequisite: THEA312 or Permission of Instructor.

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USEM101
University Seminar I: Foundations for Success
(1,0) 1

This course focuses on academic skills and critical thinking, on knowledge of the institution and the role of higher education, and on personal skills for living, which together are requisite for student success and lifelong learning. Seminar I - Foundations for Success places emphasis on incorporation into university culture, time management, use of campus resources, written and oral presentations, development of critical thinking skills, and strengthening study skills for academic success.

USEM102
University Seminar II: Developing Critical Thinking
(1,0) 1

Seminar II: Developing Critical Thinking continues the goals of Seminar I while placing emphasis on the application of critical thinking skills to the academic setting. A reading anthology is used as the basis for regular written, and oral communication and a term research paper. While continuing to apply skills and techniques used in Seminar I, students additionally develop cultural literacy and incorporate greater computer usage, and explore campus organizations, community events and community service.

USEM103

University Seminar III: Thinking About the Discipline

(1,0) 1

Seminar III: Thinking about the Discipline begins a more focused examination of the applications of critical thinking to the student's discipline. Each school selects a reading anthology suitable for analysis and discussion by its majors in order to examine such as current critical issues, social responsibility, ethics and cultural diversity from the perspective of the student's discipline. Continuing the activities of earlier seminars this course promotes ongoing participation in community events, application of academic success skills and writing in the discipline.

USEM104

University Seminar IV: Professional Seminar

(1,0) 1

Seminar IV: Professional Seminar serves as the fourth and final in the series and focuses on introducing the student to their discipline with special emphasis on interviews with professional, examinations of career options, and overviews of the literature and research of their discipline. This course focuses attention on the skills and knowledge base of the profession, features of the work environment, development of resume and career developing activities. Activities of earlier seminars continue as students apply critical thinking skills to the examination of the current literature of their field, participate in written and oral presentations, and hear presentations from working professionals.

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Terms & Phrases

Academic Credit: (or credit hours or credit): One academic credit is generally earned for every 14 hours in lecture during a semester.

Academic Probation: The result of a grade point average falling below an acceptable level.

Academic Year: Two 15-week semesters.

Accredited: Quality of academic programs has been approved by an outside rating agency.

Admission: Your acceptance for enrollment.

Advisor: Faculty member who offers you academic advice, explains requirements and assists in scheduling.

Anchor Access: Accessed from the My.LSSU Portal. Anchor Access is the most important online tool you will use at LSSU. Access to Registration, financial aid, tuition & billing information, all academic information, parking, employee information, addresses, etc.

Associate Degree: Awarded for a "two-year" program.

Bachelor Degree: or Baccalaureate — awarded for a "four-year" program.

Calendar: Important dates of the academic year.

Certificate: Normally requires one year of study.

College: Academic unit administered by a dean, comprising two or more departments or schools.

Corequisite: Course you must take during the same semester as another course.

Cognate: A specified course, generally in field other than your major, which you must take for your program.

Courses: Descriptions in this catalog generally show a course number, followed by the course name, and the number of academic credits shown at the right of the column.

*ENGL110 First-Year
Composition I.....3*

Credit: See academic credit.

Curriculum: (major, program) Courses required for specific degree or certificate.

Departments: Academic units, each administered by a "chair" or "dean" and offering courses in one or more related disciplines.

Discipline: Group of related courses, such as mathematics.

Elective: Course distinguished from required course, selected it from a number of specified courses.

Field Placement: *See practicum.*

Financial Aid: Includes grants, loans, scholarships or work-study.

Full-Time Student: Enrollment of 12 or more credits in a semester (nine credits for graduate students).

General Education Core Requirements: Courses you must take in addition to your major to earn a bachelor's (or an associate's degree in liberal arts). Provides a broadly based education.

GED Examinations: (General Education Development examination): A test for students who did not finish high school. Can be used in place of high school graduation.

If you didn't finish high school, but believe you learned enough in other ways to qualify for university, this is the test for you.

Grade Point Average (GPA): Number of points divided by the hours of credit attempted. It calculates your average grade for all classes. Cumulative grade point average is the average for all your classes numbered 100 and above.

Internship: (practicum, field placement or clinical): working in a 'real life' setting for academic credit.

Major (*curriculum*): A concentration of courses in your specific area of study.

Minor: A lesser concentration (20 credits or more).

My.LSSU: Web portal to Anchor Access, your email service, school announcements, etc.

Part-Time Student: Enrollment of fewer than 12 credits in a semester (fewer than nine for graduate students).

Practicum: Another word for internship.

Prerequisite: Certain courses you must successfully complete before enrolling in a specific course. You must satisfy prerequisites, and other stated conditions, before enrolling in a course, or have permission from an instructor to waive the prerequisites. It is your responsibility to be certain you have the approved prerequisites.

Program (*also curriculum*): A group of courses you must take in order to earn a degree or certificate.

Registration: Each semester you register for specific courses for the next

semester, pay tuition, etc.

Required Courses: You must take these to earn your degree. Failed courses must be repeated.

School: *See Departments.*

Semester: Sometimes called "term": *See academic year.*

Term: Sometimes called "semester": *See academic year.*

Transcript: Official record of your coursework maintained by the LSSU Registrar's Office.

Transcript, Official: Mailed directly from principal's or registrar's office of issuing institution to LSSU Registrar's Office. It must bear the seal of the institution and signature or stamp of school official.

Withdrawal: Procedure when you drop a course or from school.

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Supplement B2
Non-Standard or Compressed term

The University establishes several standard terms. These include a) a 14-week full academic semester term, b) the first seven-weeks of a semester term c) the second seven-weeks of a semester term, and various summer variations including the full 12-week summer semester, four-week and six-week terms. The terms are designated in the course schedule through the section identifier.

Section Identifier	Meaning to the Lake Superior State Student
001	Full 14-week term in academic year or 12-week term during the summer semester
F01	First 7-week term in the academic year or first 6-week term in the summer semester
S01	Second 7-week term in the academic year or second 7-week term in the summer semester

Appendix A – Supplement B.3 contains the fall 2015 and spring 2016 course schedule. These terms are clearly identified for each course, and the PDF files are searchable.

The University does not use non-standard terms.



Supplement B3
Course Schedule Fall 2015 – Spring 2016

BLDG	ROOM	CRN	SUBJ	CRSE	SECT	CREDITS	TITLE	INSTRUCTOR	CAP	ENROLLED	DAYS	START TIME	END TIME	DATES	CAMPUS
CRW		303	10001	ACTG	132	001	4.000 Principles of Accounting I	Hunter	40	24	MTWR	1400	1450	08/31-12/11	M
CRW		304	10002	ACTG	132	002	4.000 Principles of Accounting I	Masters	40	21	TR	1800	2000	08/31-12/11	M
CHARTER	ONLINE	10932	ACTG	132	CHN	4.000	Principles of Accounting I	Beckon	0	0				08/31-12/11	O
CRW		207	10789	ACTG	133	001	4.000 Principles of Accounting II	Saccucci	40	5	TR	1800	2000	08/31-12/11	M
CAS		311	10003	ACTG	232	001	4.000 Intermediate Accounting I	McCready	30	26	MTWR	1400	1450	08/31-12/11	M
CAS		311	10004	ACTG	332	001	4.000 Cost Management I	Hunter	30	20	MTWR	1500	1550	08/31-12/11	M
CAS		310	10005	ACTG	421	001	3.000 Federal Taxation Accounting I	McCready	30	15	MWF	900	950	08/31-12/11	M
CRW		108	10006	ACTG	427	001	4.000 Auditing	McCready	30	10	MTWR	1300	1350	08/31-12/11	M
AT	PETOSKEY	10791	ACTG	427	790	4.000	Auditing	Cartwright	30	8	T	1730	2130	08/31-12/11	P
AT	ESCANABA	10793	ACTG	427	890	4.000	Auditing	Beckon	30	7	MW	1900	2100	08/31-12/11	E
AT	IRON MNTN	10957	ACTG	427	00I	4.000	Auditing	Beckon	10	5	MW	1900	2100	08/31-12/11	I
CAS		107	10007	ACTG	432	001	4.000 Adv Accounting: Consolidations	Hunter	24	10	MTWR	1000	1050	08/31-12/11	M
ART		102	10008	ARTS	109	001	3.000 Principles of Design and Color	Eddy	20	9	MWF	900	950	08/31-12/11	M
ART		102	10009	ARTS	110	001	3.000 Fundamentals of Drawing	Eddy	20	14	TR	930	1050	08/31-12/11	M
ART		102	10010	ARTS	111	001	3.000 Intro to Painting Media & Tech	Eddy	20	10	TR	1230	1350	08/31-12/11	M
ART		115	10905	ARTS	115	001	3.000 Introduction to Ceramics	Morrison	17	6	R	1800	2100	08/31-12/11	M
CRW		207	10011	ARTS	250	001	4.000 Art History & Appreciation I	Eddy	60	37	MW	1700	1850	08/31-12/11	M
			10954	ARTS	400	001	3.000 Special Topics:	Eddy	2	2				08/31-12/11	M
CRW		204	10012	BIOL	105	001	4.000 Function of the Human Body	Allan	72	69	MWF	900	950	08/31-12/11	M
AT	ENGADINE	10999	BIOL	105	300	4.000	Function of the Human Body	Allan	0	6				08/31-12/11	O
CRW		211	10013	BIOL	105	00A	0.000 Function of the Human Body	Allan	24	24	M	1400	1550	08/31-12/11	M
CRW		211	10014	BIOL	105	00B	0.000 Function of the Human Body	Allan	24	23	M	1600	1750	08/31-12/11	M
CRW		211	10801	BIOL	105	00C	0.000 Function of the Human Body	Allan	24	22	T	900	1050	08/31-12/11	M
CRW		302	10015	BIOL	107	001	3.000 Field Biology	Allan	14	14	MW	1300	1350	08/31-12/11	M
CRW		122	10016	BIOL	107	00A	0.000 Field Biology	Allan	14	14	R	900	1150	08/31-12/11	M
LBR		278	10017	BIOL	121	001	4.000 Human Anatomy & Physiology I	Ranson Olson	110	91	MWF	900	950	08/31-12/11	M
CRW		210	10018	BIOL	121	00A	0.000 Human Anatomy & Physiology I	Ranson Olson	22	22	M	1400	1650	08/31-12/11	M
CRW		210	10802	BIOL	121	00C	0.000 Human Anatomy & Physiology I	Kolomyjec	22	23	M	1800	2100	08/31-12/11	M
CRW		210	10803	BIOL	121	00D	0.000 Human Anatomy & Physiology I	Ranson Olson	22	11	R	900	1150	08/31-12/11	M
CRW		210	10022	BIOL	121	00E	0.000 Human Anatomy & Physiology I	Ranson Olson	22	20	W	1400	1650	08/31-12/11	M
CRW		210	10950	BIOL	121	00F	0.000 Human Anatomy & Physiology I	Hutchens	22	16	T	1800	2100	08/31-12/11	M
CRW		210	10025	BIOL	121	1SL	0.000 Human Anatomy & Physiology I	TBA	24	17	T	1600	1650	08/31-12/11	M
CRW		210	10026	BIOL	121	2SL	0.000 Human Anatomy & Physiology I	TBA	24	4	R	1600	1650	08/31-12/11	M
CRW		210	10027	BIOL	121	3SL	0.000 Human Anatomy & Physiology I	TBA	24	6	F	1100	1150	08/31-12/11	M
CRW		210	10915	BIOL	121	4SL	0.000 Human Anatomy & Physiology I	TBA	24	8	W	1700	1750	08/31-12/11	M
CRW		210	10918	BIOL	121	5SL	0.000 Human Anatomy & Physiology I	TBA	24	12	W	1200	1250	08/31-12/11	M
CRW		303	10028	BIOL	126	001	2.000 Interpret Maps/Aerial Photos	Merkel	32	21	R	800	850	08/31-12/11	M
CRW		256	10029	BIOL	126	00A	0.000 Interpret Maps/Aerial Photos	Merkel	16	16	R	1400	1650	08/31-12/11	M
CRW		256	10030	BIOL	126	00B	0.000 Interpret Maps/Aerial Photos	Merkel	16	5	R	900	1150	08/31-12/11	M
CRW		207	10031	BIOL	131	001	4.000 General Biology: Cells	Evans	72	52	MWF	1300	1350	08/31-12/11	M
CRW		249	10032	BIOL	131	00A	0.000 General Biology: Cells	Evans	24	23	M	1400	1650	08/31-12/11	M
CRW		249	10033	BIOL	131	00B	0.000 General Biology: Cells	Evans	24	9	T	900	1150	08/31-12/11	M
CRW		249	10034	BIOL	131	00C	0.000 General Biology: Cells	Evans	24	20	W	1400	1650	08/31-12/11	M
CRW		205	10035	BIOL	132	001	4.000 General Biology: Organisms	Kolomyjec	72	63	MWF	1300	1350	08/31-12/11	M
CRW		232	10036	BIOL	132	00A	0.000 General Biology: Organisms	Kolomyjec	24	22	M	1400	1650	08/31-12/11	M

CRW		232	10037	BIOL	132	00B	0.000	General Biology: Organisms	Kolomyjec	24	19 T	1400	1650	08/31-12/11	M
CRW		232	10038	BIOL	132	00C	0.000	General Biology: Organisms	Kolomyjec	24	22 W	1400	1650	08/31-12/11	M
CRW		205	10039	BIOL	199	001	1.000	Freshman Seminar	Zimmerman	40	31 W	1200	1250	08/31-12/11	M
CRW		204	10040	BIOL	199	002	1.000	Freshman Seminar	Moerke	45	42 W	1200	1250	08/31-12/11	M
CRW		207	10041	BIOL	202	001	3.000	Field Botany	Zimmerman	14	14 MW	900	950	08/31-12/11	M
CRW		209	10042	BIOL	202	00A	0.000	Field Botany	Zimmerman	14	14 M	1400	1650	08/31-12/11	M
CRW		305	10043	BIOL	203	001	3.000	Fund of Natural Resources	Merkel	40	42 MWF	1000	1050	08/31-12/11	M
CRW		304	10044	BIOL	204	001	4.000	General Microbiology	Hutchens	40	24 MWF	800	850	08/31-12/11	M
CRW		230	10045	BIOL	204	00A	0.000	General Microbiology	Hutchens	20	16 W	1400	1650	08/31-12/11	M
CRW		230	10046	BIOL	204	00B	0.000	General Microbiology	Hutchens	20	8 R	900	1150	08/31-12/11	M
CRW		232	10047	BIOL	206	001	2.000	Medical Laboratory Practices	Hutchens	16	4 TR	1300	1350	08/31-12/11	M
CRW		205	10048	BIOL	220	001	4.000	Genetics	Werner	60	55 MWF	1000	1050	08/31-12/11	M
CRW		231	10049	BIOL	220	00A	0.000	Genetics	Nguyen-Mosey	20	19 T	1400	1650	08/31-12/11	M
CRW		231	10050	BIOL	220	00B	0.000	Genetics	Nguyen-Mosey	20	20 W	1400	1650	08/31-12/11	M
CRW		231	10051	BIOL	220	00C	0.000	Genetics	Werner	20	16 R	900	1150	08/31-12/11	M
CRW		305	10052	BIOL	223	001	3.000	Clinical Microbiology	Ranson Olson	30	15 F	1300	1450	08/31-12/11	M
CRW		305	10052	BIOL	223	001	3.000	Clinical Microbiology	Ranson Olson	30	15 W	1300	1350	08/31-12/11	M
CRW		109	10053	BIOL	230	001	4.000	Intro to Soil Science	Merkel	28	9 MWF	800	850	08/31-12/11	M
CRW		256	10054	BIOL	230	00A	0.000	Intro to Soil Science	Merkel	14	9 M	1400	1650	08/31-12/11	M
CRW		232	10056	BIOL	240	001	3.000	Natural Hist of the Vertebrate	Kolomyjec	24	11 MWF	900	950	08/31-12/11	M
CRW		304	10057	BIOL	250	001	3.000	Quantitative Biology	Roese	50	33 MWF	900	950	08/31-12/11	M
CRW		304	10058	BIOL	280	001	3.000	Biostatistics	Zimmerman	32	19 TR	1100	1150	08/31-12/11	M
CRW		107	10059	BIOL	280	00A	0.000	Biostatistics	Zimmerman	16	15 R	1400	1550	08/31-12/11	M
CRW		107	10060	BIOL	280	00B	0.000	Biostatistics	Zimmerman	16	4 R	1600	1750	08/31-12/11	M
CRW		304	10061	BIOL	299	001	1.000	Sophomore Seminar	Ranson Olson	27	30 W	1200	1250	08/31-12/11	M
CRW		303	10863	BIOL	300	SB1	4.000	Special Topics:	Moerke	0	15 W	1700	1850	08/31-12/11	M
OFF	CAMPUS		10864	BIOL	300	SBA	0.000	Special Topics:	Moerke	0	15			08/31-12/11	M
CRW		108	10063	BIOL	310	001	3.000	Ichthyology	Kapuscinski	24	23 MW	1100	1150	08/31-12/11	M
CRW		258	10064	BIOL	310	00A	0.000	Ichthyology	Kapuscinski	12	11 W	1400	1650	08/31-12/11	M
CRW		258	10065	BIOL	310	00B	0.000	Ichthyology	Wesolek	12	12 R	1400	1650	08/31-12/11	M
CRW		108	10066	BIOL	311	001	3.000	Mammalogy	Roese	26	18 MW	800	850	08/31-12/11	M
CRW		122	10067	BIOL	311	00A	0.000	Mammalogy	Roese	13	12 M	1400	1650	08/31-12/11	M
CRW		122	10068	BIOL	311	00B	0.000	Mammalogy	Roese	13	6 T	1400	1650	08/31-12/11	M
CRW		205	10069	BIOL	337	001	3.000	General Ecology	Zimmerman	56	54 TR	1300	1350	08/31-12/11	M
CRW		231	10804	BIOL	337	00A	0.000	General Ecology	Clark	14	12 M	1400	1650	08/31-12/11	M
CRW		209	10070	BIOL	337	00B	0.000	General Ecology	Escherich	14	14 T	1400	1650	08/31-12/11	M
CRW		256	10071	BIOL	337	00C	0.000	General Ecology	Clark	14	14 W	1400	1650	08/31-12/11	M
CRW		209	10072	BIOL	337	00D	0.000	General Ecology	Escherich	14	14 R	1400	1650	08/31-12/11	M
CRW		109	10073	BIOL	345	001	4.000	Limnology	Moerke	24	19 MW	1300	1350	08/31-12/11	M
CRW		257	10074	BIOL	345	00A	0.000	Limnology	Moerke	12	11 M	1400	1750	08/31-12/11	M
CRW		257	10075	BIOL	345	00B	0.000	Limnology	Moerke	12	8 T	800	1150	08/31-12/11	M
			10970	BIOL	389	001	4.000	Internship in Biology	Wright	1	0			08/31-12/11	O
CRW		302	10077	BIOL	399	001	1.000	Junior Seminar	Hutchens	25	16 W	1200	1250	08/31-12/11	M
CRW		258	10082	BIOL	432	001	3.000	Fisheries Management	Kapuscinski	12	13 TR	930	1020	08/31-12/11	M
CRW		258	10083	BIOL	432	00A	0.000	Fisheries Management	Kapuscinski	12	13 T	1400	1650	08/31-12/11	M
CRW		211	10085	BIOL	433	001	3.000	Histology	Evans	12	8 MF	900	950	08/31-12/11	M

CRW		211	10086	BIOL	433	00A	0.000	Histology	Evans	12	8 F	1000	1050	08/31-12/11	M
CRW		211	10086	BIOL	433	00A	0.000	Histology	Evans	12	8 W	900	1050	08/31-12/11	M
CRW		108	10088	BIOL	439	001	3.000	Wildlife Management	Roesse	24	13 TR	800	850	08/31-12/11	M
CRW		122	10089	BIOL	439	00A	0.000	Wildlife Management	Roesse	12	6 W	1400	1650	08/31-12/11	M
CRW		122	10090	BIOL	439	00B	0.000	Wildlife Management	Roesse	12	7 R	1400	1650	08/31-12/11	M
			10895	BIOL	450	001	1.000	Laboratory Apprenticeship	Hutchens	1	1 R	900	1150	08/31-12/11	M
			10991	BIOL	450	002	1.000	Laboratory Apprenticeship	Kirkpatrick	1	1 T	1400	1650	08/31-12/11	M
			10888	BIOL	490	001	3.000	Independent Study	Moerke	1	1			08/31-12/11	O
			10890	BIOL	490	002	3.000	Independent Study	Zimmerman	1	3			08/31-12/11	O
			10894	BIOL	490	003	3.000	Independent Study	Hutchens	3	3			08/31-12/11	O
CRW		207	10094	BIOL	495	001	2.000	Senior Project	Allan	3	2 W	1200	1250	08/31-12/11	O
CRW		207	10095	BIOL	495	002	2.000	Senior Project	Evans	3	4 W	1200	1250	08/31-12/11	O
CRW		207	10097	BIOL	495	003	2.000	Senior Project	Kolomyjec	3	3 W	1200	1250	08/31-12/11	O
CRW		207	10098	BIOL	495	004	2.000	Senior Project	Hutchens	3	4 W	1200	1250	08/31-12/11	O
CRW		207	10099	BIOL	495	005	2.000	Senior Project	Kapuscinski	3	2 W	1200	1250	08/31-12/11	O
CRW		207	10100	BIOL	495	006	2.000	Senior Project	Kirkpatrick	3	1 W	1200	1250	08/31-12/11	O
CRW		207	10102	BIOL	495	007	2.000	Senior Project	Merkel	3	0 W	1200	1250	08/31-12/11	O
CRW		207	10103	BIOL	495	008	2.000	Senior Project	Ranson Olson	3	2 W	1200	1250	08/31-12/11	O
CRW		207	10104	BIOL	495	009	2.000	Senior Project	Roesse	3	1 W	1200	1250	08/31-12/11	O
CRW		207	10105	BIOL	495	010	2.000	Senior Project	Zimmerman	3	2 W	1200	1250	08/31-12/11	O
CRW		207	10892	BIOL	495	011	2.000	Senior Project	Moerke	3	4 W	1200	1250	08/31-12/11	O
CRW		207	10106	BIOL	499	001	1.000	Senior Seminar	Kirkpatrick	25	16 W	1200	1250	08/31-12/11	M
CRW		205	10107	BUSN	121	001	3.000	Introduction to Business	Wilhelms	40	38 TR	800	920	08/31-12/11	M
CRW		205	10790	BUSN	121	002	3.000	Introduction to Business	Smith	40	39 MW	1800	1920	08/31-12/11	M
CHARTER	ONLINE		10931	BUSN	121	CHN	3.000	Introduction to Business	Eles	0	7			08/31-12/11	O
CAS		103	10108	BUSN	211	001	3.000	Business Statistics	Diaz	28	26 TR	1100	1220	08/31-12/11	M
CAS		103	10109	BUSN	231	001	3.000	Business Communications	Andary	25	25 TR	800	920	08/31-12/11	M
			10908	BUSN	299	001	2.000	Internship in: (Discipline)	Philips	1	1			08/31-12/11	O
			10978	BUSN	299	002	4.000	Internship in: (Discipline)	McCready	1	1			08/31-12/11	O
CRW		303	10110	BUSN	308	001	3.000	Managing Cultural Differences	Wilhelms	25	26 TR	930	1050	08/31-12/11	M
CRW		108	10111	BUSN	350	001	3.000	Business Law I	Saluja	30	21 MWF	900	950	08/31-12/11	M
CRW		108	10112	BUSN	355	001	3.000	Business Law II	Saluja	30	9 MWF	1000	1050	08/31-12/11	M
OFF	CAMPUS		10933	BUSN	399	001	3.000	Internship in: (Discipline)	McCready	1	1			08/31-12/11	O
OFF	CAMPUS		10972	BUSN	399	002	1.000	Internship in: (Discipline)	Beckon	1	1			08/31-12/11	O
OFF	CAMPUS		10976	BUSN	399	003	2.000	Internship in: (Discipline)	Beckon	1	1			08/31-12/11	O
AT	ESCANABA		10955	BUSN	399	890	2.000	Internship in: (Discipline)	Beckon	1	1			08/31-12/11	E
LBR		251	10113	BUSN	403	001	3.000	Business, Government & Society	Root	25	24 TR	1100	1220	08/31-12/11	M
CRW		306	10114	BUSN	466	001	3.000	Business Policy	Wilhelms	25	19 T	1800	2100	08/31-12/11	M
			10984	BUSN	466	002	3.000	Business Policy	Wilhelms	1	1			08/31-12/11	M
			10907	BUSN	491	001	2.000	Research Read/Bus & Econ	Philips	1	1			08/31-12/11	O
CRW		205	10116	CHEM	108	001	3.000	Applied Chemistry	Kelly	72	41 MWF	800	850	08/31-12/11	M
CRW		108	10118	CHEM	108	1SL	0.000	Applied Chemistry	TBA	24	11 W	1200	1250	08/31-12/11	M
CRW		303	10119	CHEM	108	2SL	0.000	Applied Chemistry	TBA	24	2 R	1100	1150	08/31-12/11	M
CRW		334	10120	CHEM	109	001	1.000	Applied Chemistry Lab	Keller	24	7 R	930	1220	08/31-12/11	M
CRW		334	10121	CHEM	109	002	1.000	Applied Chemistry Lab	Keller	24	16 R	1400	1650	08/31-12/11	M
CRW		207	10122	CHEM	110	001	4.000	Applied Organic & Biochemistry	Werner	44	30 MWF	800	850	08/31-12/11	M

CRW		335	10123	CHEM	110	00A	0.000	Applied Organic & Biochemistry	Mosey	22	21 R	800	950	08/31-12/11	M
CRW		335	10124	CHEM	110	00B	0.000	Applied Organic & Biochemistry	Nguyen-Mosey	22	9 R	1000	1150	08/31-12/11	M
CRW		306	10125	CHEM	110	SLA	0.000	Applied Organic & Biochemistry	TBA	22	18 T	1100	1150	08/31-12/11	M
CRW		204	10126	CHEM	115	001	5.000	General Chemistry I	Heth	84	76 MTWF	1100	1150	08/31-12/11	M
CRW		204	10127	CHEM	115	002	5.000	General Chemistry I	Johnson	84	59 MTWF	800	850	08/31-12/11	M
AT	SAULT HIGH	11001	11001	CHEM	115	475	5.000	General Chemistry I	Johnson	21	21			08/31-12/11	O
CRW		333	10128	CHEM	115	00A	0.000	General Chemistry I	Heth	24	21 M	1400	1550	08/31-12/11	M
CRW		333	10129	CHEM	115	00B	0.000	General Chemistry I	Heth	24	18 M	1600	1750	08/31-12/11	M
CRW		333	10130	CHEM	115	00C	0.000	General Chemistry I	Johnson	24	18 T	1000	1150	08/31-12/11	M
CRW		333	10131	CHEM	115	00D	0.000	General Chemistry I	Heth	24	23 T	1400	1550	08/31-12/11	M
CRW		333	10132	CHEM	115	00E	0.000	General Chemistry I	Johnson	24	19 T	1800	2000	08/31-12/11	M
CRW		333	10133	CHEM	115	00F	0.000	General Chemistry I	Johnson	24	23 W	1400	1550	08/31-12/11	M
CRW		333	10854	CHEM	115	00G	0.000	General Chemistry I	Heth	24	13 W	1800	2000	08/31-12/11	M
CRW		303	10134	CHEM	115	1SA	0.000	General Chemistry I	TBA	24	7 T	1700	1750	08/31-12/11	M
CRW		305	10136	CHEM	115	1SC	0.000	General Chemistry I	TBA	24	7 R	1300	1350	08/31-12/11	M
CRW		108	10137	CHEM	115	1SD	0.000	General Chemistry I	TBA	24	7 W	1700	1750	08/31-12/11	M
CRW		109	10138	CHEM	115	2SA	0.000	General Chemistry I	TBA	10	6 W	1200	1250	08/31-12/11	M
CRW		304	10139	CHEM	115	2SB	0.000	General Chemistry I	TBA	24	11 W	1700	1750	08/31-12/11	M
CRW		303	10140	CHEM	115	2SC	0.000	General Chemistry I	TBA	24	9 R	1700	1750	08/31-12/11	M
CRW		306	10141	CHEM	116	001	5.000	General Chemistry II	Iretski	22	19 MTWF	800	850	08/31-12/11	M
CRW		334	10142	CHEM	116	00A	0.000	General Chemistry II	Iretski	22	19 W	1800	2100	08/31-12/11	M
CRW		304	10144	CHEM	116	2SL	0.000	General Chemistry II	TBA	11	7 T	1700	1750	08/31-12/11	M
CRW		205	10145	CHEM	225	001	4.000	Organic Chemistry I	Mosey	54	41 MWF	900	950	08/31-12/11	M
CRW		335	10146	CHEM	225	00A	0.000	Organic Chemistry I	Mosey	18	18 M	1400	1650	08/31-12/11	M
CRW		335	10147	CHEM	225	00B	0.000	Organic Chemistry I	Mosey	18	9 T	800	1050	08/31-12/11	M
CRW		335	10148	CHEM	225	00C	0.000	Organic Chemistry I	Mosey	18	14 T	1400	1650	08/31-12/11	M
CRW		306	10149	CHEM	231	001	4.000	Quantitative Analysis	Keller	32	22 MWF	1300	1350	08/31-12/11	M
CRW		310	10150	CHEM	231	00A	0.000	Quantitative Analysis	Keller	16	8 T	1400	1650	08/31-12/11	M
CRW		310	10151	CHEM	231	00B	0.000	Quantitative Analysis	Keller	16	14 W	1400	1650	08/31-12/11	M
CRW		336	10850	CHEM	341	001	4.000	Environmental Chemistry	Kelly	12	4 MWF	1300	1350	08/31-12/11	M
CRW		310	10851	CHEM	341	00A	0.000	Environmental Chemistry	Kelly	12	4 R	1400	1650	08/31-12/11	M
CRW		305	10152	CHEM	351	001	4.000	Introductory Biochemistry	Johnson	30	25 MWF	1100	1150	08/31-12/11	M
CRW		308	10153	CHEM	351	00A	0.000	Introductory Biochemistry	Werner	15	13 M	1400	1650	08/31-12/11	M
CRW		308	10154	CHEM	351	00B	0.000	Introductory Biochemistry	Werner	15	12 T	800	1050	08/31-12/11	M
CRW		336	10880	CHEM	361	001	4.000	Physical Chemistry I	Iretski	20	8 MTWF	1000	1050	08/31-12/11	M
CRW		334	10887	CHEM	363	001	1.000	Phy Chem Lab:Kinetic/Reac Dy	Iretski	15	10 T	1400	1650	08/31-12/11	M
			10157	CHEM	495	001	2.000	Senior Project	Heth	5	0			08/31-12/11	O
			10158	CHEM	495	002	2.000	Senior Project	Iretski	5	1			08/31-12/11	O
			10159	CHEM	495	003	2.000	Senior Project	Johnson	5	2			08/31-12/11	O
			10160	CHEM	495	004	2.000	Senior Project	Mosey	5	1			08/31-12/11	O
			10161	CHEM	495	005	2.000	Senior Project	Werner	5	0			08/31-12/11	O
			10162	CHEM	495	006	2.000	Senior Project	Wright	5	0			08/31-12/11	O
			10855	CHEM	495	007	2.000	Senior Project	Kelly	5	1			08/31-12/11	O
			10916	CHEM	495	008	2.000	Senior Project	Keller	5	0			08/31-12/11	O
CRW		303	10163	CHEM	499	001	1.000	Senior Seminar	Heth	25	2 W	1200	1250	08/31-12/11	M
CAS		102	10253	CHLD	101	001	4.000	Intro to Early Childhood Ed	Davis	24	13 TR	1100	1250	08/31-12/11	M

CAS		102	10805	CHLD	210	001	4.000	Infants and Toddlers	Davis	24	12	TR	1600	1750	08/31-12/11	M
CAS		102	10807	CHLD	241	001	4.000	STEM Foundations Young Child	Light	24	11	MW	1600	1750	08/31-12/11	M
CAS		102	10871	CHLD	242	001	4.000	Creativity and Humanities	Davis	24	8	MW	1800	1950	08/31-12/11	M
AT	PETOSKEY		10872	CHLD	242	790	4.000	Creativity and Humanities	Cornelius	24	7	MW	1800	1950	08/31-12/11	P
AT	ESCANABA		10873	CHLD	242	890	4.000	Creativity and Humanities	Case-French	24	5	MW	1800	1950	08/31-12/11	E
			10903	CHLD	260	001	4.000	Practicum I	Davis	5	3				08/31-12/11	O
CAS		211	10806	CHLD	270	001	2.000	Admin Early Childhood Programs	Curth	24	10	T	1800	2000	08/31-12/11	M
			10899	CHLD	410	001	4.000	Practicum II	Davis	4	1				08/31-12/11	O
			10258	CHLD	495	001	4.000	Senior Project Early Child Ed	Davis	10	0				08/31-12/11	O
CAS		212	10208	CJUS	101	001	3.000	Introduction Criminal Justice	Tridico	70	48	MWF	900	950	08/31-12/11	M
NOR		212	10209	CJUS	101	002	3.000	Introduction Criminal Justice	Tridico	48	34	MWF	1000	1050	08/31-12/11	M
NOR		212	10210	CJUS	103	001	3.000	Int to Terrorism/Homeland Sec	Henderson	48	43	MWF	1100	1150	08/31-12/11	M
CRW		306	10211	CJUS	110	001	3.000	Introduction to Corrections	Gordier	50	49	MWF	1100	1150	08/31-12/11	M
NOR		206	10212	CJUS	140	001	3.000	Correctional Client Growth/Dev	Gordier	20	12	TR	1530	1650	08/31-12/11	M
NOR	GYM		10213	CJUS	197	001	1.000	Physical Fitness Public Safety	Swanson	24	17	MWF	630	720	08/31-12/11	M
NOR		209	10214	CJUS	201	001	1.000	Firearms Training	Colvin	12	11	MW	800	850	08/31-12/11	M
NOR		209	10215	CJUS	201	002	1.000	Firearms Training	Colvin	12	10	MW	900	950	08/31-12/11	M
NOR		209	10216	CJUS	201	003	1.000	Firearms Training	Colvin	12	11	MW	1000	1050	08/31-12/11	M
NOR		202	10219	CJUS	204	001	3.000	Domestic & Internatl Terrorism	Henderson	40	37	W	1800	2100	08/31-12/11	M
ONLINE	COURSE		10845	CJUS	204	00N	3.000	Domestic & Internatl Terrorism	Henderson	20	21				08/31-12/11	O
NOR		202	10220	CJUS	206	001	3.000	Law Enf/Loss Contrl Internship	Bitnar	20	20	W	1600	1650	08/31-12/11	O
CRW		205	10221	CJUS	212	001	3.000	Loss Control	Westrick	55	49	MW	1500	1620	08/31-12/11	M
NOR		202	10846	CJUS	240	001	3.000	Community Based Corrections	Jones	20	16	T	1800	2100	08/31-12/11	M
NOR		212	10224	CJUS	243	001	3.000	Investigation	Westrick	40	31	M	1800	2100	08/31-12/11	M
CAS		123	10225	CJUS	250	001	3.000	Correctional Law	Chambers	25	10	M	1800	2100	08/31-12/11	M
LBR		278	10228	CJUS	319	001	3.000	Substantive Criminal Law	Tridico	60	52	MWF	1400	1450	08/31-12/11	M
AT	ESCANABA		10844	CJUS	319	890	3.000	Substantive Criminal Law	Davis	20	5	R	1800	2100	08/31-12/11	E
NOR		212	10229	CJUS	321	001	3.000	Ethical Issues Public Safety	Westrick	35	20	TR	800	920	08/31-12/11	M
NOR		212	10230	CJUS	321	002	3.000	Ethical Issues Public Safety	Westrick	35	33	TR	1400	1520	08/31-12/11	M
ONLINE	COURSE		10952	CJUS	321	00N	3.000	Ethical Issues Public Safety	Westrick	20	22				08/31-12/11	O
CAS		123	10232	CJUS	345	001	4.000	Stats & Design/Public Safety	Gordier	32	15	MWF	1000	1050	08/31-12/11	M
CAS		103	10233	CJUS	345	00A	0.000	Stats & Design/Public Safety	Gordier	24	15	T	1300	1450	08/31-12/11	M
CAS		108	10235	CJUS	401	001	3.000	Senior Seminar	Tridico	20	13	TR	1300	1350	08/31-12/11	M
NOR		206	10236	CJUS	401	002	3.000	Senior Seminar	Tridico	20	12	TR	1400	1450	08/31-12/11	M
ONLINE	COURSE		10985	CJUS	401	00N	3.000	Senior Seminar	Tridico	20	6				08/31-12/11	O
OFF	CAMPUS		10238	CJUS	402	001	3.000	Criminal Justice Internship	Henderson	5	6				08/31-12/11	O
OFF	CAMPUS		10239	CJUS	402	002	6.000	Criminal Justice Internship	Henderson	5	2				08/31-12/11	O
OFF	CAMPUS		10240	CJUS	402	003	9.000	Criminal Justice Internship	Henderson	5	0				08/31-12/11	O
OFF	CAMPUS		10241	CJUS	402	004	3.000	Criminal Justice Internship	Tridico	5	1				08/31-12/11	O
OFF	CAMPUS		10242	CJUS	402	005	6.000	Criminal Justice Internship	Tridico	5	0				08/31-12/11	O
OFF	CAMPUS		10243	CJUS	402	006	9.000	Criminal Justice Internship	Tridico	5	0				08/31-12/11	O
NOR		212	10244	CJUS	444	001	4.000	Criminalistics	Henderson	18	17	MWF	800	850	08/31-12/11	M
CRW		308	10245	CJUS	444	00A	0.000	Criminalistics	Henderson	18	17	R	800	1050	08/31-12/11	M
OFF	CAMPUS		10920	CJUS	490	001	1.000	Ind Study Criminal Justice	Gordier	5	4				08/31-12/11	O
OFF	CAMPUS		10921	CJUS	490	002	2.000	Ind Study Criminal Justice	Gordier	5	3				08/31-12/11	O
			10971	CJUS	490	003	4.000	Ind Study Criminal Justice	Gordier	1	1				08/31-12/11	O

CAS		107	10164	COMM	101	001	3.000	Fund/Speech Communication	Baird	24	24	MWF	900	950	08/31-12/11	M
CAS		211	10165	COMM	101	002	3.000	Fund/Speech Communication	Denger	24	23	MWF	1000	1050	08/31-12/11	M
ART		217	10166	COMM	101	003	3.000	Fund/Speech Communication	Baird	24	24	MWF	1200	1250	08/31-12/11	M
CAS		108	10167	COMM	101	004	3.000	Fund/Speech Communication	Baird	24	21	MWF	1300	1350	08/31-12/11	M
ART		217	10169	COMM	101	006	3.000	Fund/Speech Communication	Colak-Florio	24	22	M	1800	2100	08/31-12/11	M
CAS		211	10170	COMM	101	007	3.000	Fund/Speech Communication	Christensen	24	21	TR	1400	1520	08/31-12/11	M
ART		217	10171	COMM	101	008	3.000	Fund/Speech Communication	Denger	24	23	TR	800	920	08/31-12/11	M
ART		217	10172	COMM	101	009	3.000	Fund/Speech Communication	Colak-Florio	24	21	W	1800	2100	08/31-12/11	M
CAS		107	10173	COMM	101	010	3.000	Fund/Speech Communication	Balfantz	24	24	TR	1230	1350	08/31-12/11	M
CAS		107	10174	COMM	101	011	3.000	Fund/Speech Communication	Baird	24	22	T	1800	2100	08/31-12/11	M
ART		217	10175	COMM	101	H01	3.000	Fund/Speech Communication	Swedene	15	16	MWF	1100	1150	08/31-12/11	M
ART		217	10175	COMM	101	H01	3.000	Fund/Speech Communication	Balfantz	15	16	MWF	1100	1150	08/31-12/11	M
CAS		108	10832	COMM	280	001	3.000	Understanding Mass Media	Balfantz	24	12	TR	930	1050	08/31-12/11	M
ART		208	10179	COMM	302	001	3.000	Argumentation & Advocacy	Denger	20	7	TR	1400	1520	08/31-12/11	M
AT	PETOSKEY		10882	COMM	302	790	3.000	Argumentation & Advocacy	Hovey	20	9	T	1730	2030	08/31-12/11	P
CAS		210	10833	COMM	325	001	3.000	Organizational Communication	Denger	24	11	TR	1100	1220	08/31-12/11	M
OFF	CAMPUS		10913	COMM	399	001	3.000	Internship in Communication	Balfantz	1	1				08/31-12/11	M
OFF	CAMPUS		10926	COMM	399	002	3.000	Internship in Communication	Balfantz	1	1				08/31-12/11	O
CAS		210	10181	CSCI	103	001	3.000	Survey of Computer Science	Kalata	24	19	MF	1300	1350	08/31-12/11	M
CAS		303	10182	CSCI	103	00A	0.000	Survey of Computer Science	Kalata	12	10	M	1500	1650	08/31-12/11	M
CAS		303	10183	CSCI	103	00B	0.000	Survey of Computer Science	Kalata	12	9	R	1500	1650	08/31-12/11	M
CAS		210	10184	CSCI	105	001	3.000	Intro to Computer Programming	Terwilliger	34	34	MF	1200	1250	08/31-12/11	M
CAS		303	10185	CSCI	105	00A	0.000	Intro to Computer Programming	Terwilliger	16	16	T	900	1050	08/31-12/11	M
CAS		303	10186	CSCI	105	00B	0.000	Intro to Computer Programming	Terwilliger	18	18	W	1300	1450	08/31-12/11	M
CAS		210	10187	CSCI	106	001	3.000	Web Page Design & Development	Kalata	24	12	TR	1300	1350	08/31-12/11	M
CAS		303	10188	CSCI	106	00A	0.000	Web Page Design & Development	Kalata	12	8	T	1500	1650	08/31-12/11	M
CAS		303	10189	CSCI	106	00B	0.000	Web Page Design & Development	Kalata	12	4	W	1000	1150	08/31-12/11	M
CAS		210	10190	CSCI	163	001	3.000	Troubleshooting/Repair of PC's	Schemm	10	8	TR	1400	1450	08/31-12/11	M
CAS	209-A		10191	CSCI	163	00A	0.000	Troubleshooting/Repair of PC's	Schemm	10	8	W	1300	1450	08/31-12/11	M
CAS		210	10192	CSCI	201	001	4.000	Data Structures and Algorithms	Smith	35	15	MTRF	1000	1050	08/31-12/11	M
CAS		207	10193	CSCI	207	001	3.000	Multimedia/Rich Int Web Sites	Kalata	20	6	MF	1200	1250	08/31-12/11	M
CAS		303	10194	CSCI	207	00A	0.000	Multimedia/Rich Int Web Sites	Kalata	20	6	W	1500	1650	08/31-12/11	M
CAS		210	10195	CSCI	211	001	3.000	Database Applications	Terwilliger	30	15	MWF	900	950	08/31-12/11	M
CAS		207	10198	CSCI	248	001	3.000	Network Operating Systems I	Schemm	20	16	TR	1300	1350	08/31-12/11	M
CAS	209-A		10199	CSCI	248	00A	0.000	Network Operating Systems I	Schemm	10	9	R	1500	1650	08/31-12/11	M
CAS	209-A		10876	CSCI	248	00B	0.000	Network Operating Systems I	Schemm	10	7	F	1200	1350	08/31-12/11	M
CAS		207	10200	CSCI	263	001	3.000	Managing Computer Security	Kalata	25	13	TR	1100	1220	08/31-12/11	M
CAS		207	10796	CSCI	342	001	4.000	Adv Programming Techniques	Smith	25	9	MTWR	1400	1450	08/31-12/11	M
CAS		210	10203	CSCI	351	001	3.000	Mobile Application Development	Terwilliger	14	14	MWF	1100	1150	08/31-12/11	M
CAS		210	10204	CSCI	412	001	3.000	Unix Network Administration	Schemm	12	8	MF	1400	1450	08/31-12/11	M
CAS	209-A		10205	CSCI	412	00A	0.000	Unix Network Administration	Schemm	12	8	W	900	1050	08/31-12/11	M
CAS		207	10797	CSCI	415	001	3.000	Computer Org Architecture	Schemm	25	8	TR	930	1050	08/31-12/11	M
CAS		207	10206	CSCI	418	001	3.000	Senior Project I	Smith	10	9	W	1300	1350	08/31-12/11	M
			10207	CSCI	418	00A	0.000	Senior Project I	Smith	10	9				08/31-12/11	M
ART		209	10246	DANC	101	001	1.000	Ballet I	Legg	20	9	TR	930	1050	08/31-12/11	M
ART		209	10248	DANC	125	001	1.000	Modern Dance I	Legg	20	12	TR	1230	1350	08/31-12/11	M

ART	209	10249	DANC	201	001	1.000	Ballet II	Legg	20	8	MW	1600	1720	08/31-12/11	M	
ART	208	10816	DANC	205	001	3.000	Creative Movemnt/Elem Educator	Legg	20	6	M	1300	1350	08/31-12/11	M	
ART	209	10817	DANC	205	00A	0.000	Creative Movemnt/Elem Educator	Legg	20	6	M	1400	1550	08/31-12/11	M	
ART	209	10817	DANC	205	00A	0.000	Creative Movemnt/Elem Educator	Legg	20	6	W	1300	1450	08/31-12/11	M	
ART	209	10250	DANC	301	001	1.000	Ballet III	Legg	20	3	MW	1800	1920	08/31-12/11	M	
CAS	212	10259	ECON	201	001	3.000	Principles Macroeconomics	Boston	40	32	MWF	1300	1350	08/31-12/11	M	
CRW	305	10260	ECON	202	001	3.000	Principles Microeconomics	Boston	40	26	TR	1400	1520	08/31-12/11	M	
CRW	205	10261	ECON	202	002	3.000	Principles Microeconomics	Rutledge	40	13	TR	1800	1920	08/31-12/11	M	
CRW	306	10787	ECON	307	001	3.000	Environmental Economics	Root	30	25	MW	1800	1920	08/31-12/11	M	
CRW	204	10784	ECON	309	001	3.000	Intermediate Macroeconomics	Boston	30	13	TR	930	1050	08/31-12/11	M	
CAS	102	10741	EDSE	301	001	3.000	Intro to Special Education	Chaput	24	8	MW	800	920	08/31-12/11	M	
CAS	102	10808	EDSE	403	001	3.000	Assessment and Diagnosis	Chaput	15	5	F	1300	1550	08/31-12/11	M	
CAS	102	10866	EDUC	100	001	1.000	Special Topic:	Light	24	21	R	1400	1550	08/31-12/11	M	
CAS	102	10866	EDUC	100	001	1.000	Special Topic:	Light	24	21	R	1400	1550	08/31-12/11	M	
CAS	102	10866	EDUC	100	001	1.000	Special Topic:	Light	24	21	R	1400	1550	08/31-12/11	M	
CAS	102	10866	EDUC	100	001	1.000	Special Topic:	Light	24	21	R	1400	1550	08/31-12/11	M	
CAS	102	10866	EDUC	100	001	1.000	Special Topic:	Light	24	21	R	1400	1550	08/31-12/11	M	
CAS	102	10866	EDUC	100	001	1.000	Special Topic:	Light	24	21	R	1400	1550	08/31-12/11	M	
CAS	102	10866	EDUC	100	001	1.000	Special Topic:	Light	24	21	R	1400	1550	08/31-12/11	M	
CAS	102	10745	EDUC	250	001	4.000	Student Diversity and Schools	Chaput	24	15	MW	1400	1550	08/31-12/11	M	
CAS	102	10746	EDUC	330	001	3.000	Reading Elementary Classroom	Yang	24	8	T	1800	2100	08/31-12/11	M	
CAS	102	10747	EDUC	350	001	3.000	Int Tech 21st Century Lrn Env	Light	24	9	W	1000	1150	08/31-12/11	M	
CAS	102	10748	EDUC	350	00A	0.000	Int Tech 21st Century Lrn Env	Light	24	9	F	1000	1150	08/31-12/11	M	
CAS	102	10749	EDUC	411	001	2.000	Elem Lang Arts/Literacy Skills	McMyne	20	5	W	1200	1350	08/31-12/11	M	
CAS	102	10750	EDUC	422	001	2.000	Soc Studies Meth Elem Teachers	Chaput	24	5	M	1200	1350	08/31-12/11	M	
CAS	102	10751	EDUC	424	001	2.000	Hlth/Phy Ed Meth Cl Room Teach	Light	25	10	M	1000	1150	08/31-12/11	M	
CAS	102	10753	EDUC	480	001	2.000	Directed Teaching Seminar	Light	24	4	R	1800	2000	08/31-12/11	M	
CAS	102	10753	EDUC	480	001	2.000	Directed Teaching Seminar	Light	24	4	R	1800	2000	08/31-12/11	M	
CAS	102	10753	EDUC	480	001	2.000	Directed Teaching Seminar	Light	24	4	R	1800	2000	08/31-12/11	M	
CAS	102	10753	EDUC	480	001	2.000	Directed Teaching Seminar	Light	24	4	R	1800	2000	08/31-12/11	M	
CAS	102	10753	EDUC	480	001	2.000	Directed Teaching Seminar	Light	24	4	R	1800	2000	08/31-12/11	M	
CAS	102	10753	EDUC	480	001	2.000	Directed Teaching Seminar	Light	24	4	R	1800	2000	08/31-12/11	M	
		10988	EDUC	490	001	2.000	Research Topics in Education	Light	1	1				08/31-12/11	M	
		10898	EDUC	490	002	3.000	Research Topics in Education	Davis	4	1				08/31-12/11	M	
		10754	EDUC	492	001	10.000	Directed Teaching	Fiebelkorn	25	4				08/31-12/11	O	
ONLINE	COURSE	10979	EDUC	920	001	2.000	Special Topics:	Fiebelkorn	5	1				08/31-12/11	O	
CAS		211	10263	EGEE	210	001	4.000	Circuit Analysis	Moening	24	24	MWF	1300	1350	08/31-12/11	M
CAS		306	10264	EGEE	210	00A	0.000	Circuit Analysis	Moening	12	12	T	1400	1650	08/31-12/11	M
CAS		306	10893	EGEE	210	00B	0.000	Circuit Analysis	Moening	12	12	T	900	1150	08/31-12/11	M
CAS		310	10266	EGEE	210	00R	0.000	Circuit Analysis	Moening	24	24	M	1500	1550	08/31-12/11	M
CAS		304	10267	EGEE	250	001	4.000	Microcontroller Fundamentals	Jones	18	18	MWF	1100	1150	08/31-12/11	M
CAS		304	10268	EGEE	250	00A	0.000	Microcontroller Fundamentals	Jones	10	8	R	1100	1250	08/31-12/11	M
CAS		304	10269	EGEE	250	00B	0.000	Microcontroller Fundamentals	Jones	10	10	R	1400	1550	08/31-12/11	M
CAS		310	10270	EGEE	280	001	4.000	Introduction Signal Processing	McDonald	20	13	MTWR	1200	1250	08/31-12/11	M
CAS		306	10271	EGEE	280	00R	0.000	Introduction Signal Processing	McDonald	20	13	R	1600	1650	08/31-12/11	M

CAS		310	10829	EGEE	330	001	4.000	Electro-Mechanical Systems	McDonald	14	8 TR	930	1050	08/31-12/11	M
CAS		310	10830	EGEE	330	00A	0.000	Electro-Mechanical Systems	McDonald	14	8 T	1800	2100	08/31-12/11	M
CAS	106-A		10275	EGEE	370	001	4.000	Electronic Devices	Moening	12	10 MWF	1000	1050	08/31-12/11	M
CAS		309	10276	EGEE	370	00A	0.000	Electronic Devices	Moening	12	10 F	1400	1650	08/31-12/11	M
CAS		207	10277	EGEE	370	00R	0.000	Electronic Devices	Moening	12	10 W	1200	1250	08/31-12/11	M
CAS		310	10289	EGEM	220	001	3.000	Statics	Sinha	30	21 MWF	1100	1150	08/31-12/11	M
CAS		310	10290	EGEM	220	00R	0.000	Statics	Sinha	35	21 F	1200	1250	08/31-12/11	M
CAS		107	10291	EGEM	320	001	3.000	Dynamics	Hildebrand	24	22 MWF	1100	1150	08/31-12/11	M
CAS		107	10534	EGME	110	001	3.000	Manufacturing Processes	Leach	10	7 MW	1200	1250	08/31-12/11	M
CAS		120	10535	EGME	110	00A	0.000	Manufacturing Processes	Leach	10	7 T	1400	1650	08/31-12/11	M
CAS	209-B		10536	EGME	141	001	3.000	Solid Modeling	Leach	14	12 TR	900	950	08/31-12/11	M
CAS	209-B		10537	EGME	141	002	3.000	Solid Modeling	Leach	14	12 MW	1000	1050	08/31-12/11	M
CAS	209-C		10538	EGME	141	003	3.000	Solid Modeling	Sinha	12	10 MW	1400	1450	08/31-12/11	M
CAS	209-B		10539	EGME	141	01A	0.000	Solid Modeling	Leach	14	12 TR	1000	1050	08/31-12/11	M
CAS	209-B		10540	EGME	141	02B	0.000	Solid Modeling	Leach	14	12 MW	1100	1150	08/31-12/11	M
CAS	209-C		10541	EGME	141	03C	0.000	Solid Modeling	Sinha	12	10 MW	1500	1550	08/31-12/11	M
CAS		212	10547	EGME	350	001	4.000	Machine Design	Hildebrand	28	18 MWF	1400	1450	08/31-12/11	M
CAS	106-A		10548	EGME	350	00A	0.000	Machine Design	Hildebrand	12	9 T	900	1150	08/31-12/11	M
CAS	106-A		10831	EGME	350	00B	0.000	Machine Design	Hildebrand	16	9 W	1600	1850	08/31-12/11	M
CAS		108	10549	EGME	431	001	3.000	Heat Transfer	Mahmud	20	9 MWF	1100	1150	08/31-12/11	M
CAS		310	10550	EGME	431	00R	0.000	Heat Transfer	Mahmud	20	9 M	1400	1450	08/31-12/11	M
CAS	106-C		10551	EGME	432	001	1.000	Thermal and Fluids Lab	Mahmud	14	7 R	900	1150	08/31-12/11	M
CAS	209-B		10490	EGMT	142	001	2.000	Overview Solid Model Technique	Leach	5	0 M	1000	1050	08/31-12/11	M
CAS	209-B		10491	EGMT	142	00A	0.000	Overview Solid Model Technique	Leach	5	0 MW	1100	1150	08/31-12/11	M
CAS	106-A		10492	EGMT	225	001	4.000	Statics, Strength of Materials	Sinha	12	7 MTWF	1300	1350	08/31-12/11	M
CAS		212	10412	EGNR	101	001	2.000	Introduction to Engineering	Mahmud	52	51 M	1600	1650	08/31-12/11	M
CAS		212	10412	EGNR	101	001	2.000	Introduction to Engineering	Jones	52	51 M	1600	1650	08/31-12/11	M
CAS		310	10413	EGNR	101	00A	0.000	Introduction to Engineering	Jones	13	15 W	1700	1850	08/31-12/11	M
CAS		310	10414	EGNR	101	00B	0.000	Introduction to Engineering	Jones	13	11 W	1900	2100	08/31-12/11	M
CAS		310	10415	EGNR	101	00C	0.000	Introduction to Engineering	Mahmud	13	12 W	1700	1850	08/31-12/11	M
CAS		310	10416	EGNR	101	00D	0.000	Introduction to Engineering	Mahmud	13	13 W	1900	2100	08/31-12/11	M
AT	ATA		10930	EGNR	102	350	2.000	Concepts History Engineering	Ferguson	0	2			08/31-12/11	O
CAS		212	10417	EGNR	103	F01	1.000	Engineering Orientation	Jones	10	0 M	1600	1650	08/31-12/11	M
CAS	209-B		10418	EGNR	103	F0A	0.000	Engineering Orientation	Jones	10	0 W	1700	1850	08/31-12/11	M
CAS		310	10419	EGNR	140	001	2.000	Linear Alg Num Apps Engineers	Mahmud	30	31 W	800	850	08/31-12/11	M
CAS	209-B		10420	EGNR	140	00A	0.000	Linear Alg Num Apps Engineers	Mahmud	15	15 TR	1400	1520	08/31-12/11	M
CAS	209-B		10421	EGNR	140	00B	0.000	Linear Alg Num Apps Engineers	Mahmud	15	16 TR	1530	1650	08/31-12/11	M
			10422	EGNR	250	001	2.000	Cooperative Education	Weber	10	2			08/31-12/11	O
CAS		123	10423	EGNR	261	001	3.000	Energy Systems/Sustainability	Weber	40	10 TR	1100	1220	08/31-12/11	M
CAS		311	10424	EGNR	265	001	3.000	"C" Programming	Jones	28	27 MWF	900	950	08/31-12/11	M
CAS		304	10425	EGNR	265	0R1	0.000	"C" Programming	Jones	18	24 M	1400	1450	08/31-12/11	M
CAS	209-B		10981	EGNR	265	0R2	0.000	"C" Programming	Jones	30	3 M	1200	1250	08/31-12/11	M
CAS		212	10827	EGNR	310	001	3.000	Quality Engineering	Hildebrand	40	31 MWF	1000	1050	08/31-12/11	M
OFF	CAMPUS		10951	EGNR	310	SB1	3.000	Quality Engineering	Hildebrand	0	1			08/31-12/11	O
CAS	209-C		10427	EGNR	340	001	1.000	Numerical Methods Engineers	Hildebrand	12	9 R	1400	1550	08/31-12/11	M
CAS	209-C		10826	EGNR	340	002	1.000	Numerical Methods Engineers	Baumann	12	8 R	1000	1150	08/31-12/11	M

CAS	209-B	10428	EGNR	346	001	1.000	Probability/Stats Lab Engineer	Baumann	14	12	M	1400	1550	08/31-12/11	M	
CAS		306	10878	EGNR	361	001	1.000	Energy Sys Sustainability Lab	Weber	14	4	W	1400	1650	08/31-12/11	M
			10429	EGNR	450	001	4.000	Cooperative Educ Project I	Weber	10	0			08/31-12/11	M	
			10430	EGNR	451	001	3.000	Cooperative Educ Project II	Weber	10	0			08/31-12/11	O	
CAS		310	10431	EGNR	491	001	3.000	Engineering Design Project I	Weber	30	25	MWF	1300	1350	08/31-12/11	M
CAS		310	10432	EGNR	491	00A	0.000	Engineering Design Project I	McDonald	6	6	T	1400	1650	08/31-12/11	M
CAS		310	10433	EGNR	491	00B	0.000	Engineering Design Project I	Hildebrand	6	6	T	1400	1650	08/31-12/11	M
CAS		310	10434	EGNR	491	00C	0.000	Engineering Design Project I	Coullard	6	0	T	1400	1650	08/31-12/11	M
CAS		310	10435	EGNR	491	00D	0.000	Engineering Design Project I	Devaprasad	6	4	T	1400	1650	08/31-12/11	M
CAS		310	10824	EGNR	491	00E	0.000	Engineering Design Project I	Baumann	6	4	T	1400	1650	08/31-12/11	M
CAS		310	10992	EGNR	491	00F	0.000	Engineering Design Project I	King	6	5	T	1400	1650	08/31-12/11	M
CAS		311	10710	EGRS	380	001	2.000	Robotics Technology	Sinha	20	15	MW	1200	1250	08/31-12/11	M
CAS		125	10711	EGRS	381	001	1.000	Robotics Technology Lab	Devaprasad	10	8	W	1400	1650	08/31-12/11	M
CAS		108	10712	EGRS	430	001	4.000	Sys Integration/Machine Vision	Weber	24	22	MWF	800	850	08/31-12/11	M
CAS		125	10713	EGRS	430	00A	0.000	Sys Integration/Machine Vision	Weber	8	8	R	1400	1650	08/31-12/11	M
CAS		125	10825	EGRS	430	00B	0.000	Sys Integration/Machine Vision	Weber	8	6	F	1400	1650	08/31-12/11	M
CAS		125	10909	EGRS	430	00C	0.000	Sys Integration/Machine Vision	Weber	8	8	R	1800	1950	08/31-12/11	M
CAS		211	10714	EGRS	460	001	4.000	Control Systems	Baumann	12	12	MWF	1200	1250	08/31-12/11	M
CAS		309	10828	EGRS	460	00B	0.000	Control Systems	Baumann	12	12	R	1400	1650	08/31-12/11	M
CAS		119	10716	EGRS	480	001	3.000	Manufacturing Automation	Devaprasad	16	12	TR	1100	1220	08/31-12/11	M
CAS		125	10718	EGRS	481	001	1.000	Manufacturing Automation Lab	Devaprasad	8	6	M	1400	1650	08/31-12/11	M
CAS		125	10983	EGRS	481	002	1.000	Manufacturing Automation Lab	Devaprasad	8	6	R	1400	1650	08/31-12/11	M
NOR		212	10281	EMED	190	001	4.000	Prehsp Em Care/Crisis Intv I	Mohar	35	19	M	1500	1750	08/31-12/11	M
NOR		212	10281	EMED	190	001	4.000	Prehsp Em Care/Crisis Intv I	LaBonte	35	19	M	1500	1750	08/31-12/11	M
NOR		212	10282	EMED	190	00A	0.000	Prehsp Em Care/Crisis Intv I	LaBonte	35	19	W	1600	1850	08/31-12/11	M
NOR		212	10282	EMED	190	00A	0.000	Prehsp Em Care/Crisis Intv I	Mohar	35	19	W	1600	1850	08/31-12/11	M
NOR		214	10283	EMED	211	001	2.000	Emergency Pharmacology I	Brandenburg	24	15	W	1500	1650	08/31-12/11	M
NOR		214	10284	EMED	251	001	4.000	Advanced Emergency Care I	Brandenburg	24	15	TR	1000	1150	08/31-12/11	M
NOR		214	10285	EMED	261	001	2.000	Emergency Cardiology I	Brandenburg	24	15	W	1300	1450	08/31-12/11	M
NOR		214	10286	EMED	284	001	3.000	Advanced Skills/Situations I	Brandenburg	24	15	T	800	850	08/31-12/11	M
NOR		214	10287	EMED	284	00A	0.000	Advanced Skills/Situations I	Mohar	24	15	TR	1300	1550	08/31-12/11	M
NOR		214	10287	EMED	284	00A	0.000	Advanced Skills/Situations I	LaBonte	24	15	TR	1300	1550	08/31-12/11	M
			10288	EMED	297	001	2.000	Paramedic Clinical I	Brandenburg	24	15			08/31-12/11	M	
ART		208	10293	ENGL	91	001	3.000	Prep College Writing	Smart	16	15	MWF	1000	1050	08/31-12/11	M
CAS		108	10294	ENGL	91	002	3.000	Prep College Writing	Disney	16	10	TR	1100	1220	08/31-12/11	M
ART		208	10295	ENGL	91	003	3.000	Prep College Writing	Smart	16	12	MWF	1500	1550	08/31-12/11	M
CAS		107	10296	ENGL	91	004	3.000	Prep College Writing	Connors	16	14	MWF	800	850	08/31-12/11	M
CAS		123	10297	ENGL	91	005	3.000	Prep College Writing	Smart	16	12	MWF	1200	1250	08/31-12/11	M
CAS		123	10298	ENGL	110	001	3.000	First-Year Composition I	Barbour	25	25	MWF	900	950	08/31-12/11	M
ART		208	10299	ENGL	110	002	3.000	First-Year Composition I	Gadzinski	24	25	MWF	1400	1450	08/31-12/11	M
CRW		109	10300	ENGL	110	003	3.000	First-Year Composition I	Barbour	25	24	TR	1230	1350	08/31-12/11	M
NOR		202	10301	ENGL	110	004	3.000	First-Year Composition I	Barbour	25	25	MWF	1300	1350	08/31-12/11	M
ART		217	10302	ENGL	110	005	3.000	First-Year Composition I	Rose	25	24	MWF	1500	1550	08/31-12/11	M
CRW		109	10303	ENGL	110	006	3.000	First-Year Composition I	Gadzinski	25	26	MWF	1100	1150	08/31-12/11	M
CRW		109	10304	ENGL	110	007	3.000	First-Year Composition I	Barbour	25	24	MWF	1400	1450	08/31-12/11	M
CRW		306	10307	ENGL	110	010	3.000	First-Year Composition I	Barbour	25	25	TR	1530	1650	08/31-12/11	M

CAS		123	10875	ENGL	110	011	3.000	First-Year Composition I	Repka	24	23	W	1800	2100	08/31-12/11	M
AT	DETOUR		10994	ENGL	110	275	3.000	First-Year Composition I	Fiebelkorn	17	26				08/31-12/11	O
ART		208	10308	ENGL	110	H01	3.000	First-Year Composition I	Barbour	15	10	TR	1100	1220	08/31-12/11	M
ART		208	10308	ENGL	110	H01	3.000	First-Year Composition I	Swedene	15	10	TR	1100	1220	08/31-12/11	M
CAS		108	10309	ENGL	110	H02	3.000	First-Year Composition I	Swedene	15	11	MWF	1200	1250	08/31-12/11	M
CAS		108	10309	ENGL	110	H02	3.000	First-Year Composition I	Barbour	15	11	MWF	1200	1250	08/31-12/11	M
CAS		108	10310	ENGL	110	NS1	3.000	First-Year Composition I	Been	24	24	MWF	900	950	08/31-12/11	M
CAS		108	10311	ENGL	110	NS2	3.000	First-Year Composition I	Been	24	24	MWF	1000	1050	08/31-12/11	M
CRW		303	10312	ENGL	111	001	3.000	First-Year Composition II	McMyne	25	24	MWF	1100	1150	08/31-12/11	M
CAS		211	10313	ENGL	111	002	3.000	First-Year Composition II	Rose	24	9	MWF	900	950	08/31-12/11	M
CRW		108	10314	ENGL	111	003	3.000	First-Year Composition II	Rose	25	25	TR	1100	1220	08/31-12/11	M
ART		217	10315	ENGL	111	004	3.000	First-Year Composition II	McMyne	25	19	MWF	1000	1050	08/31-12/11	M
ART		217	10316	ENGL	111	005	3.000	First-Year Composition II	Disney	25	10	MWF	1300	1350	08/31-12/11	M
CRW		205	10317	ENGL	180	001	3.000	Intro to Literary Studies	Rose	24	22	MWF	1400	1450	08/31-12/11	M
CAS		107	10318	ENGL	221	001	3.000	Intro to Creative Writing	Gadzinski	24	18	TR	1100	1220	08/31-12/11	M
ART		217	10319	ENGL	222	001	3.000	Eng Grammar & Lang in Context	Smart	24	14	TR	1400	1520	08/31-12/11	M
CAS		212	10320	ENGL	231	001	3.000	American Literature I	Barbour	24	9	TR	1230	1350	08/31-12/11	M
CAS		119	10834	ENGL	301	001	3.000	Creative Prose Writing	McMyne	24	10	TR	1400	1520	08/31-12/11	M
ART		217	10836	ENGL	306	001	3.000	Technical Writing	Been	24	8	TR	1530	1650	08/31-12/11	M
CAS		311	10835	ENGL	380	001	3.000	History of Literary Criticism	Been	24	6	TR	1100	1220	08/31-12/11	M
OFF	CAMPUS		10879	ENGL	398	001	3.000	Community Workshop Internship	Gadzinski	0	3				08/31-12/11	O
OFF	CAMPUS		10837	ENGL	399	001	2.000	Publishing Internship	Repka	1	1				08/31-12/11	O
OFF	CAMPUS		10838	ENGL	399	002	1.000	Publishing Internship	Repka	1	2				08/31-12/11	O
OFF	CAMPUS		10839	ENGL	399	003	1.000	Publishing Internship	Barbour	1	0				08/31-12/11	O
OFF	CAMPUS		10840	ENGL	399	004	1.000	Publishing Internship	McMyne	1	2				08/31-12/11	O
OFF	CAMPUS		10967	ENGL	399	005	1.000	Publishing Internship	Rose	1	1				08/31-12/11	O
CAS		107	10326	ENGL	408	001	3.000	Literature After 1800: Topic	Repka	24	15	M	1800	2100	08/31-12/11	M
			10327	ENGL	480	001	3.000	Creative Writing Portfolio I	Barbour	1	1				08/31-12/11	O
			10977	ENGL	480	002	3.000	Creative Writing Portfolio I	McMyne	1	1				08/31-12/11	O
			10889	ENGL	482	001	3.000	Creative Writing Portfolio II	Barbour	1	1				08/31-12/11	M
			10949	ENGL	482	002	3.000	Creative Writing Portfolio II	Gadzinski	1	1				08/31-12/11	M
			10328	ENGL	490	001	2.000	Senior Thesis I	Gadzinski	5	1				08/31-12/11	O
CRW		306	10329	EVRN	131	001	3.000	Introduction to GIS and GPS	Munoz-Hernandez	45	41	TR	1230	1320	08/31-12/11	M
CRW		107	10330	EVRN	131	00A	0.000	Introduction to GIS and GPS	Munoz-Hernandez	15	15	M	1400	1650	08/31-12/11	M
CRW		107	10331	EVRN	131	00B	0.000	Introduction to GIS and GPS	Munoz-Hernandez	15	12	R	800	950	08/31-12/11	M
CRW		107	10332	EVRN	131	00C	0.000	Introduction to GIS and GPS	Munoz-Hernandez	15	14	R	1000	1150	08/31-12/11	M
CRW		108	10333	EVRN	231	001	2.000	Intermediate GIS	Munoz-Hernandez	40	21	M	1700	1750	08/31-12/11	M
CRW		107	10334	EVRN	231	00A	0.000	Intermediate GIS	Mattheus	15	12	M	1800	2100	08/31-12/11	M
CRW		107	10857	EVRN	231	00C	0.000	Intermediate GIS	Munoz-Hernandez	15	9	T	1400	1650	08/31-12/11	M
OFF	CAMPUS		10968	EVRN	290	001	3.000	Ind St: Environmental Science	Wright	1	0				08/31-12/11	O
OFF	CAMPUS		10989	EVRN	290	002	4.000	Ind St: Environmental Science	Spencer	1	1				08/31-12/11	O
CRW		207	10858	EVRN	311	001	3.000	Environmental Law	Kelly	45	21	TR	800	920	08/31-12/11	M
CRW		303	10337	EVRN	325	001	3.000	Geospatial Analysis	Munoz-Hernandez	16	9	MF	1200	1250	08/31-12/11	M
CRW		107	10338	EVRN	325	00A	0.000	Geospatial Analysis	Munoz-Hernandez	16	9	W	1400	1650	08/31-12/11	M
CRW		336	10852	EVRN	341	001	4.000	Environmental Chemistry	Kelly	12	4	MWF	1300	1350	08/31-12/11	M
CRW		310	10853	EVRN	341	00A	0.000	Environmental Chemistry	Kelly	12	4	R	1400	1650	08/31-12/11	M

OFF	CAMPUS	10969	EVRN	399	001	4.000	Intrnshp Environmental Science	Wright	1	1			08/31-12/11	O	
		10341	EVRN	495	001	2.000	Senior Project	Heth	5	0			08/31-12/11	O	
		10342	EVRN	495	002	2.000	Senior Project	Kelly	5	1			08/31-12/11	O	
		10343	EVRN	495	003	2.000	Senior Project	Munoz-Hernandez	5	0			08/31-12/11	O	
		10344	EVRN	495	004	2.000	Senior Project	Mosey	5	0			08/31-12/11	O	
		10345	EVRN	495	005	2.000	Senior Project	Werner	5	0			08/31-12/11	O	
		10346	EVRN	495	006	2.000	Senior Project	Wright	5	0			08/31-12/11	O	
		10917	EVRN	495	007	2.000	Senior Project	Keller	5	0			08/31-12/11	M	
CRW	303	10347	EVRN	499	001	1.000	Senior Seminar	Heth	25	0	W	1200	1250	08/31-12/11	M
NOR	206	10348	EXER	105	001	3.000	Program Dev & Leadership	McPherson-Doyle	15	9	MWF	900	950	08/31-12/11	M
NOR	206	10349	EXER	140	001	3.000	Health and Fitness	Susi	30	18	TR	1100	1220	08/31-12/11	M
NOR	206	10350	EXER	141	001	3.000	Introduction to Movement	Ouimette	30	12	TR	930	1050	08/31-12/11	M
NOR	206	10351	EXER	230	001	3.000	Ath Injury Illness Prevention	Ouimette	20	19	MWF	1000	1050	08/31-12/11	M
NOR	206	10352	EXER	232	001	3.000	Ath Injury Illness Rec & Eval	Ouimette	24	12	M	1100	1250	08/31-12/11	M
NOR	206	10352	EXER	232	001	3.000	Ath Injury Illness Rec & Eval	Ouimette	24	12	W	1100	1150	08/31-12/11	M
NOR	120-A	10353	EXER	234	001	1.000	Preventative Taping Techniques	Susi	10	10	M	1300	1450	08/31-12/11	M
NOR	213	10355	EXER	262	001	3.000	Exercise Physiology I	Susi	20	22	TR	1230	1350	08/31-12/11	M
NOR	213	10356	EXER	265	001	3.000	Essentials Strength Train/Cond	Statt	20	17	TR	930	1050	08/31-12/11	M
NOR	213	10357	EXER	268	001	2.000	Fitness Eval I - Field Tests	Susi	20	14	M	1700	1750	08/31-12/11	M
NOR	213	10358	EXER	268	00A	0.000	Fitness Eval I - Field Tests	Susi	10	14	M	1800	2000	08/31-12/11	M
NOR	213	10360	EXER	275	001	2.000	Nutrition Sport Exercise Perf	Statt	20	18	W	1200	1350	08/31-12/11	M
		10361	EXER	295	001	1.000	Practicum	Susi	20	3				08/31-12/11	O
		10362	EXER	295	002	1.000	Practicum	Statt	20	2				08/31-12/11	O
		10363	EXER	295	003	2.000	Practicum	Susi	20	1				08/31-12/11	O
		10364	EXER	295	004	2.000	Practicum	Statt	20	1				08/31-12/11	O
NOR	120-A	10365	EXER	301	001	2.000	Ath Training Clinical Exp I	Susi	10	6	T	800	950	08/31-12/11	M
NOR	120-A	10366	EXER	346	001	3.000	Therapeutic Exercise Ath Trn	Susi	10	6	MW	1100	1150	08/31-12/11	M
NOR	120-A	10367	EXER	346	00A	0.000	Therapeutic Exercise Ath Trn	Susi	10	6	R	800	950	08/31-12/11	M
NOR	213	10368	EXER	348	001	3.000	Fitness Eval II Lab Procedures	Statt	20	20	M	1500	1650	08/31-12/11	M
NOR	213	10369	EXER	348	00A	0.000	Fitness Eval II Lab Procedures	Statt	10	11	W	800	950	08/31-12/11	M
NOR	213	10896	EXER	348	00B	0.000	Fitness Eval II Lab Procedures	Statt	10	9	W	1600	1750	08/31-12/11	M
NOR	213	10370	EXER	358	001	3.000	Res Methods Exercise Science	Susi	20	13	TR	1100	1220	08/31-12/11	M
		10371	EXER	390	001	1.000	Rec Leader Apprenticeship	Susi	20	5				08/31-12/11	O
		10372	EXER	390	002	1.000	Rec Leader Apprenticeship	Statt	20	6				08/31-12/11	O
		10373	EXER	390	003	1.000	Rec Leader Apprenticeship	Ouimette	5	0				08/31-12/11	O
NOR	120-A	10374	EXER	401	001	2.000	Ath Training Clinical Exp III	Ouimette	10	3	R	1200	1350	08/31-12/11	M
NOR	202	10375	EXER	440	001	2.000	Exercise Physiology Seminar	Statt	18	7	T	1400	1550	08/31-12/11	M
NOR	213	10376	EXER	444	001	2.000	Exercise Prescription	Statt	15	15	MW	1100	1150	08/31-12/11	M
NOR	202	10377	EXER	452	001	3.000	Allied Health Administration	Susi	30	19	M	1700	2000	08/31-12/11	M
NOR	202	10378	EXER	481	001	1.000	Prof Development Seminar	McPherson-Doyle	15	8	R	1100	1150	08/31-12/11	M
OFF	CAMPUS	10379	EXER	492	001	6.000	Internship	Susi	10	1				08/31-12/11	O
OFF	CAMPUS	10380	EXER	492	002	6.000	Internship	Statt	10	0				08/31-12/11	O
OFF	CAMPUS	10381	EXER	492	003	6.000	Internship	Susi	10	0				08/31-12/11	O
OFF	CAMPUS	10382	EXER	492	004	6.000	Internship	Ouimette	10	0				08/31-12/11	O
		10383	EXER	496	001	1.000	Selected Research Topics	Susi	10	3				08/31-12/11	O
		10384	EXER	496	002	2.000	Selected Research Topics	Susi	10	2				08/31-12/11	O

		10385	EXER	496	003	3.000	Selected Research Topics	Susi	10	3			08/31-12/11	O	
		10386	EXER	496	004	1.000	Selected Research Topics	Statt	10	3			08/31-12/11	O	
		10387	EXER	496	005	2.000	Selected Research Topics	Statt	10	2			08/31-12/11	O	
		10388	EXER	496	006	3.000	Selected Research Topics	Statt	10	0			08/31-12/11	O	
LBR	203	10785	FINC	242	001	3.000	Personal Finance	Boston	30	13	MWF	900	950	08/31-12/11	M
CRW	304	10389	FINC	341	001	4.000	Managerial Finance	Root	50	35	MTWR	1300	1350	08/31-12/11	M
AT	PETOSKEY	10391	FINC	341	790	4.000	Managerial Finance	Root	30	12	R	1730	2130	08/31-12/11	P
AT	ESCANABA	10392	FINC	341	890	4.000	Managerial Finance	Beckon	30	9	MW	1700	1850	08/31-12/11	E
AT	IRON MNTN	10956	FINC	341	001	4.000	Managerial Finance	Beckon	10	5	MW	1700	1850	08/31-12/11	I
		10901	FINE	405	001	3.000	Independent Project	Eddy	2	2			08/31-12/11	O	
		10904	FINE	405	002	3.000	Independent Project	Eddy	1	1			08/31-12/11	O	
LBR	278	10394	FIRE	101	001	3.000	Introduction to Fire Science	Mauze	100	71	TR	800	920	08/31-12/11	M
NOR	GYM	10395	FIRE	197	001	1.000	Physical Fitness Public Safety	Woolcocks	24	7	MWF	630	720	08/31-12/11	M
ART	208	10396	FIRE	204	001	3.000	Fire Protectn Hydraulics/Pumps	Schaefer	25	20	MWF	800	850	08/31-12/11	M
ART	208	10396	FIRE	204	001	3.000	Fire Protectn Hydraulics/Pumps	Mauze	25	20	MWF	800	850	08/31-12/11	M
NOR	212	10399	FIRE	206	002	3.000	Fire Protect Sys/Equip/Ind Pro	Schaefer	25	23	MWF	1300	1350	08/31-12/11	M
NOR	212	10401	FIRE	219	001	3.000	Firefighter Essentials	Vaught	30	10	TR	1530	1650	08/31-12/11	M
NOR	212	10402	FIRE	301	001	3.000	Code Enforce Inspect/Fire Prev	Mauze	30	15	MWF	900	950	08/31-12/11	M
ONLINE	COURSE	10884	FIRE	301	00N	3.000	Code Enforce Inspect/Fire Prev	Radu	20	13			08/31-12/11	O	
NOR	212	10403	FIRE	312	001	4.000	Hazardous Materials Management	Mauze	15	16	TR	930	1050	08/31-12/11	M
NOR	212	10404	FIRE	312	00A	0.000	Hazardous Materials Management	Mauze	15	16	TR	1100	1220	08/31-12/11	M
NOR	214	10405	FIRE	401	001	3.000	Senior Seminar	Gordier	20	10	M	1400	1450	08/31-12/11	M
ONLINE	COURSE	10975	FIRE	401	00N	3.000	Senior Seminar	Mauze	10	6			08/31-12/11	O	
ONLINE	COURSE	10975	FIRE	401	00N	3.000	Senior Seminar	Gordier	10	6			08/31-12/11	O	
NOR	212	10406	FIRE	402	001	3.000	Fire Service and the Law	Chambers	40	18	TR	1800	1920	08/31-12/11	M
OFF	CAMPUS	10408	FIRE	403	001	3.000	Fire Science Internship	Mauze	5	1			08/31-12/11	O	
OFF	CAMPUS	10409	FIRE	403	002	6.000	Fire Science Internship	Mauze	5	3			08/31-12/11	O	
OFF	CAMPUS	10410	FIRE	403	003	9.000	Fire Science Internship	Mauze	5	1			08/31-12/11	O	
ONLINE	COURSE	10906	FIRE	490	00N	3.000	Ind Study: Public Safety	Gordier	1	8			08/31-12/11	O	
CAS	119	10411	FREN	151	001	4.000	First Year French I	Burkitt	30	13	TR	1600	1750	08/31-12/11	M
LBR	203	10436	GEOG	201	001	4.000	World Regional Geography	Moody	65	26	MW	1700	1850	08/31-12/11	M
LBR	251	10821	GEOG	302	001	4.000	Economic Geography	Moody	30	15	TR	1400	1550	08/31-12/11	M
CRW	304	10437	GEOG	121	001	4.000	Physical/Historical Geology I	Kelso	40	31	MWF	1000	1050	08/31-12/11	M
CRW	336	10438	GEOG	121	00A	0.000	Physical/Historical Geology I	Kelso	20	19	M	1400	1550	08/31-12/11	M
CRW	336	10439	GEOG	121	00B	0.000	Physical/Historical Geology I	Kelso	20	12	M	1600	1750	08/31-12/11	M
CRW	339	10440	GEOG	218	001	5.000	Structural Geology Tectonics	Kelso	20	15	TR	1100	1220	08/31-12/11	M
CRW	339	10441	GEOG	218	00A	0.000	Structural Geology Tectonics	Kelso	20	15	TR	1330	1620	08/31-12/11	M
CRW	343	10859	GEOG	315	001	5.000	Geoenvironmental Systems	Lindquist	18	16	MWF	900	950	08/31-12/11	M
CRW	343	10860	GEOG	315	00A	0.000	Geoenvironmental Systems	Lindquist	18	16	TR	1400	1650	08/31-12/11	M
CRW	339	10861	GEOG	325	001	4.000	Clastic Systems	Mattheus	20	14	MW	1000	1050	08/31-12/11	M
CRW	343	10862	GEOG	325	00A	0.000	Clastic Systems	Mattheus	18	14	MW	1400	1650	08/31-12/11	M
		10447	GEOG	490	001	1.000	Research Topics in Geology	Kelso	6	1			08/31-12/11	O	
		10987	GEOG	490	002	1.000	Research Topics in Geology	Spencer	1	1			08/31-12/11	O	
CAS	123	10456	HIST	101	001	4.000	History World Civilization I	Moody	40	18	MTWR	1300	1350	08/31-12/11	M
CRW	207	10457	HIST	131	001	4.000	United States History I	Schaefer	75	48	MTWR	1100	1150	08/31-12/11	M
AT	CSGD BASE	10966	HIST	131	CG1	4.000	United States History I	Bolen	15	7	MW	1600	1750	08/31-12/11	O

CRW		306	10822	HIST	333	001	4.000	American Military History	Schaefer	30	17	MTWR	1000	1050	08/31-12/11	M
LBR		251	10460	HIST	496	001	2.000	Historical Methods	Schaefer	20	7	TR	1600	1650	08/31-12/11	M
CRW		306	10448	HLTH	101	001	2.000	Intro to Medical Terminology	Beckham	40	25	W	1400	1550	08/31-12/11	M
CRW		207	10449	HLTH	208	001	3.000	Principles of Human Nutrition	Gordon	40	31	W	1400	1550	08/31-12/11	M
LBR		203	10449	HLTH	208	001	3.000	Principles of Human Nutrition	Gordon	40	31	F	1200	1250	08/31-12/11	M
CRW		204	10450	HLTH	209	001	3.000	Pharmacology	Butcher	40	18	W	1400	1520	08/31-12/11	M
CRW		302	10450	HLTH	209	001	3.000	Pharmacology	Butcher	40	18	T	1200	1320	08/31-12/11	M
CRW		302	10451	HLTH	232	001	3.000	Pathophysiology	Berchem	35	28	M	1100	1250	08/31-12/11	M
CRW		303	10451	HLTH	232	001	3.000	Pathophysiology	Berchem	35	28	T	1200	1250	08/31-12/11	M
CRW		302	10452	HLTH	235	001	2.000	Healthcare Informatics	Reynolds-Keegan	35	21	W	1600	1750	08/31-12/11	M
CRW		302	10453	HLTH	328	001	3.000	Multicultural Appr Health Care	Butcher	35	28	W	1800	2000	08/31-12/11	M
CRW		306	10454	HLTH	329	001	2.000	Women's Health Issues	Kellan	30	8	M	1600	1750	08/31-12/11	M
CRW		302	10455	HLTH	330	001	2.000	Applied Nutrition	Gordon	20	8	T	1800	2000	08/31-12/11	M
CRW		305	10773	HLTH	490	001	2.000	Independent Study in Health	Gordon	20	2	W	1800	1950	08/31-12/11	O
ART		208	10461	HONR	101	001	1.000	Honors First-Year Seminar	Lussier	12	11	W	1600	1650	08/31-12/11	M
CRW		305	10809	HONR	202	001	3.000	Honors Contemporary Issues	Searight	15	22	R	1800	2030	08/31-12/11	M
			10465	HONR	401	001	1.000	Honors Thesis	Swedene	15	0				08/31-12/11	M
			10466	HONR	401	002	2.000	Honors Thesis	Swedene	15	0				08/31-12/11	M
			10467	HONR	401	003	3.000	Honors Thesis	Swedene	15	0				08/31-12/11	M
			10468	HONR	401	004	4.000	Honors Thesis	Swedene	15	1				08/31-12/11	M
CRW		207	10469	HUMN	251	001	4.000	Humanities I	Moody	60	60	MTWR	1000	1050	08/31-12/11	M
LBR		203	10470	HUMN	251	002	4.000	Humanities I	Walker	60	16	MTWR	800	850	08/31-12/11	M
LBR		203	10471	HUMN	251	003	4.000	Humanities I	Swedene	60	54	MW	1400	1550	08/31-12/11	M
LBR		203	10472	HUMN	251	004	4.000	Humanities I	Walker	50	35	MTWR	1300	1350	08/31-12/11	M
CAS		212	10474	HUMN	251	005	4.000	Humanities I	Walker	75	43	TR	1800	2000	08/31-12/11	M
LBR		203	10476	HUMN	252	001	4.000	Humanities II	Swedene	60	55	TR	1400	1550	08/31-12/11	M
			10900	HUMN	490	001	1.000	Directed Studies in Humanities	Swedene	1	1				08/31-12/11	O
ONLINE	COURSE		10788	INTB	375	00N	3.000	International Business Law	Wilhelms	20	14				08/31-12/11	O
			10958	INTD	310	1S1	3.000	Foreign Study	Kirkpatrick	0	1				08/31-12/11	O
			10959	INTD	310	1S2	3.000	Foreign Study	Kirkpatrick	0	1				08/31-12/11	O
			10960	INTD	310	1S3	3.000	Foreign Study	Kirkpatrick	0	1				08/31-12/11	O
			10961	INTD	310	1S4	3.000	Foreign Study	Kirkpatrick	0	1				08/31-12/11	O
			10965	INTD	310	1S5	5.000	Foreign Study	Wilhelms	0	1				08/31-12/11	O
			10986	INTD	310	1S6	3.000	Foreign Study	Minnear	0	1				08/31-12/11	O
OFF	CAMPUS		10935	INTD	310	SB1	3.000	Foreign Study	Mooney	0	3				08/31-12/11	O
OFF	CAMPUS		10936	INTD	310	SB2	3.000	Foreign Study	Fink	0	3				08/31-12/11	O
OFF	CAMPUS		10936	INTD	310	SB2	3.000	Foreign Study	Platner	0	3				08/31-12/11	O
OFF	CAMPUS		10937	INTD	310	SB3	3.000	Foreign Study	McCoy	0	2				08/31-12/11	O
OFF	CAMPUS		10938	INTD	310	SB4	3.000	Foreign Study	McCoy	0	2				08/31-12/11	O
OFF	CAMPUS		10939	INTD	310	SB5	3.000	Foreign Study	Cullen	0	1				08/31-12/11	O
OFF	CAMPUS		10940	INTD	310	SB6	3.000	Foreign Study	Geiben	0	2				08/31-12/11	O
OFF	CAMPUS		10940	INTD	310	SB6	3.000	Foreign Study	Donnachie	0	2				08/31-12/11	O
OFF	CAMPUS		10940	INTD	310	SB6	3.000	Foreign Study	Mooney	0	2				08/31-12/11	O
OFF	CAMPUS		10941	INTD	310	SB7	3.000	Foreign Study	Miller	0	1				08/31-12/11	O
OFF	CAMPUS		10942	INTD	310	SB8	1.000	Foreign Study	Pfeiffer	0	2				08/31-12/11	O
OFF	CAMPUS		10944	INTD	310	SB9	3.000	Foreign Study	Fairchild	0	0				08/31-12/11	O

		10943	INTD	490	001	3.000	Senior Directed Study	Shay	1	1		08/31-12/11	M		
		10947	INTD	490	002	3.000	Senior Directed Study	Rose	2	3		08/31-12/11	M		
		10964	INTD	490	003	3.000	Senior Directed Study	Hovey	1	1		08/31-12/11	M		
		10973	INTD	490	004	3.000	Senior Directed Study	Reynolds-Keegan	1	1		08/31-12/11	M		
		10974	INTD	490	005	3.000	Senior Directed Study	Gadzinski	2	2		08/31-12/11	M		
CRW		303	10478	JOUR	220	001	3.000	Photojournalism	Lussier	25	9 MW	1900	2030	08/31-12/11	M
CRW		303	10478	JOUR	220	001	3.000	Photojournalism	Shibley	25	9 MW	1900	2030	08/31-12/11	M
CRW		303	10812	LAWS	102	001	3.000	Legal Research/Case Analysis	Andary	20	7 MWF	1000	1050	08/31-12/11	M
CAS		123	10501	MATH	87	001	3.000	Pre-Algebra	Gregory	45	39 MWF	1100	1150	08/31-12/11	M
CAS		212	10502	MATH	87	002	3.000	Pre-Algebra	Miller	45	35 MW	1800	1930	08/31-12/11	M
CAS		119	10910	MATH	87	1SL	0.000	Pre-Algebra	TBA	36	2 W	1200	1250	08/31-12/11	M
CAS		205	10503	MATH	88	001	3.000	Beginning Algebra	Ngunkeng	40	34 MWF	1100	1150	08/31-12/11	M
CAS		205	10504	MATH	88	002	3.000	Beginning Algebra	Telford	40	40 MW	1800	1930	08/31-12/11	M
CAS		119	10953	MATH	88	003	3.000	Beginning Algebra	Boger	36	27 MWF	1400	1450	08/31-12/11	M
CAS		212	10911	MATH	88	SL1	0.000	Beginning Algebra	TBA	40	2 R	1600	1650	08/31-12/11	M
CAS		123	10505	MATH	102	001	4.000	Intermediate Algebra	Voutsadakis	35	28 MTRF	1400	1450	08/31-12/11	M
CAS		311	10506	MATH	102	002	4.000	Intermediate Algebra	Boger	35	35 MTRF	1000	1050	08/31-12/11	M
LBR		203	10507	MATH	102	003	4.000	Intermediate Algebra	Ngunkeng	35	25 TR	1800	2000	08/31-12/11	M
CAS		123	10912	MATH	102	SL1	0.000	Intermediate Algebra	TBA	35	6 R	1600	1650	08/31-12/11	M
CRW		302	10934	MATH	102	SL2	0.000	Intermediate Algebra	TBA	35	4 R	1300	1350	08/31-12/11	M
CAS		208	10798	MATH	103	001	4.000	Number Sys/Prob Solv Elem Teac	Gregory	12	9 TR	930	1050	08/31-12/11	M
CAS		208	10799	MATH	103	00A	0.000	Number Sys/Prob Solv Elem Teac	Gregory	12	9 MF	1000	1050	08/31-12/11	M
CAS		119	10508	MATH	110	001	3.000	Explorations in Mathematics	Gregory	30	28 TR	1230	1350	08/31-12/11	M
CAS		119	10509	MATH	111	001	3.000	College Algebra	Muller	36	36 MWF	1000	1050	08/31-12/11	M
CAS		119	10510	MATH	111	002	3.000	College Algebra	Snyder	36	25 TR	930	1050	08/31-12/11	M
CAS		119	10512	MATH	111	004	3.000	College Algebra	Boger	36	34 MWF	1100	1150	08/31-12/11	M
CAS		211	10513	MATH	111	005	3.000	College Algebra	Snyder	24	22 TR	1230	1350	08/31-12/11	M
CAS		119	10514	MATH	111	006	3.000	College Algebra	Muller	36	24 MWF	1300	1350	08/31-12/11	M
AT	CEDARVILLE	10997	MATH	111	325	3.000	College Algebra	Muller	25	25				08/31-12/11	O
CAS		123	10515	MATH	112	001	4.000	Calculus Business/Life Science	Boger	35	25 MTRF	800	850	08/31-12/11	M
CAS		205	10516	MATH	112	002	4.000	Calculus Business/Life Science	Voutsadakis	35	32 MTRF	1000	1050	08/31-12/11	M
CAS		211	10517	MATH	131	001	3.000	College Trigonometry	Terwilliger	24	20 MWF	800	850	08/31-12/11	M
CAS		205	10518	MATH	131	002	3.000	College Trigonometry	Snyder	25	9 MWF	1400	1450	08/31-12/11	M
CAS		205	10519	MATH	151	001	4.000	Calculus I	Coullard	35	22 MTRF	800	850	08/31-12/11	M
CAS		205	10520	MATH	151	002	4.000	Calculus I	Coullard	30	24 MTRF	1300	1350	08/31-12/11	M
AT	CEDARVILLE	10998	MATH	151	325	4.000	Calculus I	Muller	0	8				08/31-12/11	O
CAS		310	10521	MATH	152	001	4.000	Calculus II	Voutsadakis	30	19 MTRF	800	850	08/31-12/11	M
CAS		119	10522	MATH	207	001	3.000	Prin of Statistical Methods	Ngunkeng	35	13 TR	800	920	08/31-12/11	M
CAS		212	10523	MATH	207	002	3.000	Prin of Statistical Methods	Smith	35	29 MWF	1100	1150	08/31-12/11	M
CAS		119	10524	MATH	207	003	3.000	Prin of Statistical Methods	Gregory	35	33 MW	1600	1720	08/31-12/11	M
CAS		212	10525	MATH	207	004	3.000	Prin of Statistical Methods	Ngunkeng	35	15 TR	1400	1520	08/31-12/11	M
CAS		207	10526	MATH	215	001	3.000	Fund Concepts of Mathematics	Coullard	15	7 MWF	1100	1150	08/31-12/11	M
CAS		210	10527	MATH	251	001	4.000	Calculus III	Muller	30	26 MTRF	800	850	08/31-12/11	M
CAS		205	10800	MATH	305	001	3.000	Linear Algebra	Coullard	25	12 TR	1100	1220	08/31-12/11	M
CAS		207	10528	MATH	308	001	3.000	Probability and Math Stats	Ngunkeng	30	28 MWF	900	950	08/31-12/11	M
CAS		207	10529	MATH	310	001	3.000	Differential Equations	Snyder	30	10 MWF	800	850	08/31-12/11	M

CAS		103	10786	MRKT	383	001	3.000	E-Marketing	Masters	30	12	W	1800	2100	08/31-12/11	M
CAS		311	10500	MRKT	480	001	3.000	Marketing Research	Masters	30	12	TR	800	920	08/31-12/11	M
ART		215	10883	MUSC	112	001	1.000	Band	Case	25	12	W	1800	2100	08/31-12/11	M
ART		215	10552	MUSC	140	001	1.000	Choir	Hughes	30	7	T	1800	2100	08/31-12/11	M
ART		215	10553	MUSC	170	001	1.000	Class Piano I	Hughes	15	7	TR	1100	1150	08/31-12/11	M
ART		215	10555	MUSC	180	001	1.000	Class Guitar I	Sabatine	20	7	TR	1400	1450	08/31-12/11	M
ART		215	10556	MUSC	220	001	4.000	History Appreciation Music I	Hughes	25	6	TR	1600	1750	08/31-12/11	M
AT	ATA		11000	NSCI	101	350	4.000	Conceptual Physics	Spencer	0	6				08/31-12/11	O
CRW		205	10557	NSCI	102	001	4.000	Introduction to Geology	Lindquist	80	45	MWF	1100	1150	08/31-12/11	M
CRW		336	10558	NSCI	102	00A	0.000	Introduction to Geology	Mattheus	20	20	T	1100	1250	08/31-12/11	M
CRW		336	10559	NSCI	102	00B	0.000	Introduction to Geology	Mattheus	20	14	T	1400	1550	08/31-12/11	M
CRW		336	10560	NSCI	102	00C	0.000	Introduction to Geology	Mattheus	20	11	T	1600	1750	08/31-12/11	M
CRW		204	10562	NSCI	103	001	3.000	Environmental Science	Wright	96	69	MWF	1000	1050	08/31-12/11	M
CRW		334	10563	NSCI	104	001	1.000	Environmental Science Lab	Wright	24	16	M	1700	1900	08/31-12/11	M
CRW		334	10564	NSCI	104	002	1.000	Environmental Science Lab	Keller	24	15	T	800	950	08/31-12/11	M
CRW		334	10565	NSCI	104	003	1.000	Environmental Science Lab	Wright	24	8	T	1200	1350	08/31-12/11	M
CRW		334	10865	NSCI	104	004	1.000	Environmental Science Lab	Blanchard	24	12	W	1400	1550	08/31-12/11	M
CRW		109	10566	NSCI	110	001	4.000	Investigation Chem & Forensics	Nguyen-Mosey	24	10	MWF	900	950	08/31-12/11	M
CRW		333	10567	NSCI	110	00A	0.000	Investigation Chem & Forensics	Nguyen-Mosey	24	10	R	1400	1550	08/31-12/11	M
CRW		302	10568	NURS	211	001	3.000	Intro to Professional Nursing	Berchem	24	24	F	1300	1350	08/31-12/11	M
CRW		302	10568	NURS	211	001	3.000	Intro to Professional Nursing	Berchem	24	24	R	1100	1250	08/31-12/11	M
CRW		302	10569	NURS	212	001	4.000	Health Appraisal	Butcher	32	30	M	900	1050	08/31-12/11	M
CRW		359	10570	NURS	212	00A	0.000	Health Appraisal	Butcher	8	8	M	1400	1650	08/31-12/11	M
CRW		359	10570	NURS	212	00A	0.000	Health Appraisal	Butcher	8	8	T	800	1050	08/31-12/11	M
CRW		359	10571	NURS	212	00B	0.000	Health Appraisal	Ignatowski	8	8	F	900	1150	08/31-12/11	M
CRW		359	10571	NURS	212	00B	0.000	Health Appraisal	Ignatowski	8	8	R	1300	1550	08/31-12/11	M
CRW		359	10572	NURS	212	00C	0.000	Health Appraisal	Berchem	8	6	R	800	1050	08/31-12/11	M
CRW		359	10572	NURS	212	00C	0.000	Health Appraisal	Berchem	8	6	T	1300	1550	08/31-12/11	M
CRW		359	10573	NURS	212	00D	0.000	Health Appraisal	Berchem	8	8	F	1400	1650	08/31-12/11	M
CRW		359	10573	NURS	212	00D	0.000	Health Appraisal	Berchem	8	8	W	900	1150	08/31-12/11	M
CRW		302	10574	NURS	213	001	6.000	Fundamentals of Nursing	Gerrie	24	23	F	1000	1050	08/31-12/11	M
CRW		363	10574	NURS	213	001	6.000	Fundamentals of Nursing	Gerrie	24	23	R	800	950	08/31-12/11	M
OFF	CAMPUS		10575	NURS	213	00A	0.000	Fundamentals of Nursing	Gerrie	8	7	M	630	1450	08/31-12/11	M
OFF	CAMPUS		10576	NURS	213	00B	0.000	Fundamentals of Nursing	Perez	8	8	M	630	1450	08/31-12/11	M
OFF	CAMPUS		10577	NURS	213	00C	0.000	Fundamentals of Nursing	Parker	8	8	M	630	1450	08/31-12/11	M
CRW		355	10578	NURS	213	00X	0.000	Fundamentals of Nursing	Gerrie	8	7	F	1100	1250	08/31-12/11	M
CRW		355	10579	NURS	213	00Y	0.000	Fundamentals of Nursing	Gerrie	8	8	R	1400	1550	08/31-12/11	M
CRW		355	10580	NURS	213	00Z	0.000	Fundamentals of Nursing	Gerrie	8	8	R	1100	1250	08/31-12/11	M
LBR		251	10581	NURS	325	001	5.000	Nursing Childbearing Families	Donmyer	26	25	M	800	950	08/31-12/11	M
OFF	CAMPUS		10582	NURS	325	00A	0.000	Nursing Childbearing Families	Moreau	6	6	RF			08/31-12/11	M
OFF	CAMPUS		10583	NURS	325	00B	0.000	Nursing Childbearing Families	Brownlee-Sheaves	6	6	RF			08/31-12/11	M
OFF	CAMPUS		10584	NURS	325	00C	0.000	Nursing Childbearing Families	Warner	7	7	RF			08/31-12/11	M
OFF	CAMPUS		10585	NURS	325	00D	0.000	Nursing Childbearing Families	Warner	7	6	RF			08/31-12/11	M
CRW		355	10586	NURS	325	00X	0.000	Nursing Childbearing Families	Donmyer	13	14	M	1000	1150	08/31-12/11	M
CRW		355	10587	NURS	325	00Y	0.000	Nursing Childbearing Families	O'Shea	13	11	M	1700	1900	08/31-12/11	M
CRW		302	10588	NURS	326	001	5.000	Nursing of Children & Families	Kellan	26	25	W	800	950	08/31-12/11	M

OFF	CAMPUS	10589	NURS	326	00A	0.000	Nursing of Children & Families	Kellan	9	9 TRF		08/31-12/11	M		
OFF	CAMPUS	10590	NURS	326	00B	0.000	Nursing of Children & Families	Kellan	9	9 TRF		08/31-12/11	M		
OFF	CAMPUS	10591	NURS	326	00C	0.000	Nursing of Children & Families	Beckham	8	7 TRF		08/31-12/11	M		
CRW		355	10592	NURS	326	00X	0.000	Nursing of Children & Families	Kellan	13	12 M	1200	1350	08/31-12/11	M
CRW		355	10774	NURS	326	00Y	0.000	Nursing of Children & Families	Beckham	13	13 W	1000	1150	08/31-12/11	M
CRW		302	10593	NURS	327	001	8.000	Adult Nursing I	Oliver	25	25 T	800	950	08/31-12/11	M
CRW		305	10593	NURS	327	001	8.000	Adult Nursing I	Oliver	25	25 M	1400	1550	08/31-12/11	M
OFF	CAMPUS	10594	NURS	327	00A	0.000	Adult Nursing I	Savoie	9	9 F	630	1650	08/31-12/11	M	
OFF	CAMPUS	10595	NURS	327	00B	0.000	Adult Nursing I	Murphy	8	8 F	630	1650	08/31-12/11	M	
OFF	CAMPUS	10596	NURS	327	00C	0.000	Adult Nursing I	Oliver	8	8 R	630	1650	08/31-12/11	M	
CRW		359	10597	NURS	327	00X	0.000	Adult Nursing I	Verdecchia	9	9 M	1000	1150	08/31-12/11	M
CRW		355	10598	NURS	327	00Y	0.000	Adult Nursing I	Verdecchia	8	8 T	1000	1150	08/31-12/11	M
CRW		355	10599	NURS	327	00Z	0.000	Adult Nursing I	Verdecchia	8	8 T	1200	1350	08/31-12/11	M
OFF	CAMPUS	10929	NURS	363	089	3.000	Comprehensive Health Appraisal	Butcher	1	1				08/31-12/11	O
CRW		302	10601	NURS	431	001	8.000	Adult Nursing II	Verdecchia	19	20 W	1000	1150	08/31-12/11	M
CRW		306	10601	NURS	431	001	8.000	Adult Nursing II	Verdecchia	19	20 M	1400	1550	08/31-12/11	M
OFF	CAMPUS	10602	NURS	431	00A	0.000	Adult Nursing II	Hoffrichter	6	6 F	630	1900	08/31-12/11	M	
OFF	CAMPUS	10603	NURS	431	00B	0.000	Adult Nursing II	Shaw	6	6 F	700	1350	08/31-12/11	M	
OFF	CAMPUS	10603	NURS	431	00B	0.000	Adult Nursing II	Shaw	6	6 R	900	1750	08/31-12/11	M	
OFF	CAMPUS	10604	NURS	431	00C	0.000	Adult Nursing II	Verdecchia	7	8 R	630	1900	08/31-12/11	M	
CRW		363	10606	NURS	431	00X	0.000	Adult Nursing II	Perez	9	9 T	1400	1520	08/31-12/11	M
CRW		363	10607	NURS	431	00Y	0.000	Adult Nursing II	Perez	5	6 T	1530	1650	08/31-12/11	M
CRW		363	10608	NURS	431	00Z	0.000	Adult Nursing II	Perez	5	5 W	800	920	08/31-12/11	M
CAS		210	10609	NURS	432	001	5.000	Nursing of Populations	Reynolds-Keegan	22	21 W	1000	1050	08/31-12/11	M
CRW		303	10609	NURS	432	001	5.000	Nursing of Populations	Reynolds-Keegan	22	21 M	800	950	08/31-12/11	M
OFF	CAMPUS	10610	NURS	432	00A	0.000	Nursing of Populations	King	7	6 T	1230	1620	08/31-12/11	M	
OFF	CAMPUS	10611	NURS	432	00B	0.000	Nursing of Populations	King	7	7 T	800	1150	08/31-12/11	M	
OFF	CAMPUS	10775	NURS	432	00C	0.000	Nursing of Populations	Reynolds-Keegan	8	8 T	800	1150	08/31-12/11	M	
CRW		363	10612	NURS	432	00X	0.000	Nursing of Populations	Reynolds-Keegan	22	21 W	1100	1150	08/31-12/11	M
CRW		204	10613	NURS	433	001	5.000	Community Mental Hlth Nursing	King	22	20 M	1300	1450	08/31-12/11	M
CRW		303	10613	NURS	433	001	5.000	Community Mental Hlth Nursing	King	22	20 W	900	950	08/31-12/11	M
OFF	CAMPUS	10614	NURS	433	00A	0.000	Community Mental Hlth Nursing	Haller	6	6 RF				08/31-12/11	M
OFF	CAMPUS	10614	NURS	433	00A	0.000	Community Mental Hlth Nursing	King	6	6 RF				08/31-12/11	M
OFF	CAMPUS	10615	NURS	433	00B	0.000	Community Mental Hlth Nursing	King	6	5 RF				08/31-12/11	M
OFF	CAMPUS	10615	NURS	433	00B	0.000	Community Mental Hlth Nursing	Lehigh	6	5 RF				08/31-12/11	M
OFF	CAMPUS	10776	NURS	433	00C	0.000	Community Mental Hlth Nursing	Haller	5	5 RF				08/31-12/11	M
OFF	CAMPUS	10777	NURS	433	00D	0.000	Community Mental Hlth Nursing	Lehigh	5	4 RF				08/31-12/11	M
CRW		363	10616	NURS	433	00X	0.000	Community Mental Hlth Nursing	King	22	20 M	1200	1250	08/31-12/11	M
CRW		305	10618	NURS	434	001	3.000	Nursing Research	Reynolds-Keegan	22	25 M	1200	1350	08/31-12/11	M
CRW		305	10618	NURS	434	001	3.000	Nursing Research	Reynolds-Keegan	22	25 W	1400	1450	08/31-12/11	M
ONLINE	COURSE	10620	NURS	435	00N	4.000	Management in Nursing	Gerrie	19	20				08/31-12/11	O
CRW		304	10621	NURS	436	001	2.000	Contemporary Issues in Nursing	Oliver	22	21 W	1400	1550	08/31-12/11	M
OFF	CAMPUS	10945	NURS	490	001	1.000	Independent Study in Nursing	King	1	1				08/31-12/11	O
CRW		305	10815	PHIL	204	001	3.000	Introduction to Philosophy	Fabiano	25	10 T	1800	2100	08/31-12/11	M
CAS		311	10622	PHIL	205	001	3.000	Logic	Swedene	25	12 MWF	1300	1350	08/31-12/11	M
ART		208	10623	PHIL	302	001	3.000	Ancient Western Philosophy	Swedene	20	12 TR	1230	1350	08/31-12/11	M

CRW		205	10624	PHYS	221	001	4.000	Principles of Physics I	Spencer	60	49	TR	1100	1220	08/31-12/11	M
CRW		251	10625	PHYS	221	00A	0.000	Principles of Physics I	Spencer	20	13	T	1500	1650	08/31-12/11	M
CRW		251	10626	PHYS	221	00B	0.000	Principles of Physics I	Lindquist	20	19	W	1500	1650	08/31-12/11	M
CRW		251	10627	PHYS	221	00C	0.000	Principles of Physics I	Lindquist	20	17	W	1800	2000	08/31-12/11	M
CRW		205	10628	PHYS	231	001	4.000	Appl Phys Engineer/Scientist I	Spencer	60	41	TR	930	1050	08/31-12/11	M
CRW		251	10629	PHYS	231	00A	0.000	Appl Phys Engineer/Scientist I	Spencer	20	20	M	1400	1550	08/31-12/11	M
CRW		251	10630	PHYS	231	00B	0.000	Appl Phys Engineer/Scientist I	Spencer	20	15	M	1600	1750	08/31-12/11	M
CRW		251	10631	PHYS	231	00C	0.000	Appl Phys Engineer/Scientist I	Spencer	20	6	M	1800	2000	08/31-12/11	M
LBR		278	10646	PNUR	102	001	3.000	Drugs and Dosages	Oliver	9	9	W	1000	1150	08/31-12/11	M
CRW		352	10647	PNUR	102	00A	0.000	Drugs and Dosages	Beckham	9	9	M	1000	1250	08/31-12/11	M
CRW		306	10649	PNUR	104	001	2.000	Intro to Practical Nursing	Kabke	26	8	R	800	950	08/31-12/11	M
CRW		305	10650	PNUR	113	001	7.000	Fundamentals Practical Nursing	Kabke	10	9	MW	800	950	08/31-12/11	M
OFF	CAMPUS		10651	PNUR	113	00A	0.000	Fundamentals Practical Nursing	Beckham	10	9	T	700	1520	08/31-12/11	M
OFF	CAMPUS		10651	PNUR	113	00A	0.000	Fundamentals Practical Nursing	Kabke	10	9	T	700	1520	08/31-12/11	M
CRW		363	10653	PNUR	113	00X	0.000	Fundamentals Practical Nursing	Kabke	10	7	W	1430	1620	08/31-12/11	M
CRW		363	10654	PNUR	113	00Y	0.000	Fundamentals Practical Nursing	Kabke	10	2	R	1030	1220	08/31-12/11	M
LBR		278	10633	POLI	110	002	4.000	Intro American Govt/Politics	Rathje	40	39	TR	1800	2000	08/31-12/11	M
CRW		306	10634	POLI	120	001	3.000	Introduction Legal Processes	Andary	36	33	MWF	900	950	08/31-12/11	M
CRW		303	10919	POLI	130	001	4.000	Intro State/Local Government	Shaffer-O'Connell	40	25	MTWR	1300	1350	08/31-12/11	M
CRW		109	10810	POLI	160	001	3.000	Intro Canadian Govt Politics	Shaffer-O'Connell	30	12	TR	930	1050	08/31-12/11	M
CRW		304	10877	POLI	222	001	3.000	Intro to the Legal Profession	Andary	20	5	TR	1530	1650	08/31-12/11	M
CAS		211	10638	POLI	241	001	4.000	Intro International Relations	Shaffer-O'Connell	24	22	MTWR	1100	1150	08/31-12/11	M
AT	NEWBERRY		10995	POLI	241	690	4.000	Intro International Relations	Fiebelkorn	13	13				08/31-12/11	O
CRW		109	10642	POLI	491	001	4.000	Senior Seminar I	Shaffer-O'Connell	15	6	MW	1600	1750	08/31-12/11	M
OFF	CAMPUS		10643	POLI	499	001	3.000	Pol Sci/Pub Admin Internship	Shaffer-O'Connell	10	1				08/31-12/11	O
OFF	CAMPUS		10644	POLI	499	002	6.000	Pol Sci/Pub Admin Internship	Shaffer-O'Connell	10	1				08/31-12/11	O
OFF	CAMPUS		10645	POLI	499	003	9.000	Pol Sci/Pub Admin Internship	Shaffer-O'Connell	10	0				08/31-12/11	O
LBR		278	10655	PSYC	101	001	4.000	Introduction to Psychology	Cook	110	102	MTRF	1000	1050	08/31-12/11	M
LBR		278	10656	PSYC	101	002	4.000	Introduction to Psychology	Cook	110	61	MTRF	1100	1150	08/31-12/11	M
CHARTER	ONLINE		10990	PSYC	101	CHN	4.000	Introduction to Psychology	Frenette	19	17				08/31-12/11	O
LBR		278	10657	PSYC	155	001	3.000	Lifespan Development	Searight	160	60	MWF	1300	1350	08/31-12/11	M
LBR		251	10658	PSYC	201	001	3.000	Comm Skills in Counseling	Logsdon	24	21	M	1800	2000	08/31-12/11	M
LBR		251	10659	PSYC	201	00A	0.000	Comm Skills in Counseling	Logsdon	12	11	M	1600	1650	08/31-12/11	M
LBR		251	10660	PSYC	201	00B	0.000	Comm Skills in Counseling	Logsdon	12	10	M	1700	1750	08/31-12/11	M
CAS		103	10661	PSYC	210	001	3.000	Statistics	Olson-Pupek	24	27	MWF	1000	1050	08/31-12/11	M
CRW		304	10663	PSYC	217	001	3.000	Social Psychology	Shay	25	24	TR	930	1050	08/31-12/11	M
CRW		204	10664	PSYC	259	001	3.000	Abnormal Psychology	Searight	80	59	TR	1230	1350	08/31-12/11	M
CRW		108	10665	PSYC	291	001	3.000	Group Counseling	Frenette	20	12	W	1800	2100	08/31-12/11	M
LBR		251	10666	PSYC	311	001	3.000	Learning and Motivation	Olson-Pupek	25	20	TR	1230	1350	08/31-12/11	M
CRW		304	10667	PSYC	357	001	3.000	Personality Theory	Searight	40	27	TR	1400	1520	08/31-12/11	M
CRW		108	10668	PSYC	385	001	3.000	Health Psychology	Searight	30	33	MWF	1400	1450	08/31-12/11	M
CRW		207	10669	PSYC	456	001	3.000	History and Systems Psychology	Olson-Pupek	30	20	TR	1530	1650	08/31-12/11	M
CRW		304	10813	PSYC	457	001	3.000	Cognition	Olson-Pupek	25	7	MWF	1100	1150	08/31-12/11	M
CAS		103	10670	PSYC	498	001	3.000	Senior Research I	Olson-Pupek	24	14	MWF	1300	1350	08/31-12/11	M
CAS		102	10671	READ	91	001	3.000	Preparation - College Reading	Satchell	20	17	TR	930	1050	08/31-12/11	M
CAS		102	10672	READ	91	002	3.000	Preparation - College Reading	Satchell	20	11	TR	800	920	08/31-12/11	M

NOR		208	10780	RECA	100	001	1.000 Special Topics:	Novak	20	10 TR	1900	1950	08/31-12/11	M
NOR		208	10781	RECA	100	002	1.000 Special Topics:	Askwith	20	14 MW	900	950	08/31-12/11	M
NOR	GYM		10697	RECA	103	001	1.000 Badminton and Racquetball	Strayer	16	10 MW	1000	1050	08/31-12/11	M
NOR	ICE		10698	RECA	106	F01	1.000 Backpacking	Childs	18	11 T	1400	1650	08/31-12/11	M
NOR	ICE		10699	RECA	107	F01	1.000 Canoe Techniques	Childs	18	8 M	1400	1650	08/31-12/11	M
NOR	GYM		10700	RECA	109	F01	1.000 Rock Climbing and Rappelling	Childs	20	15 R	1400	1750	08/31-12/11	M
NOR	GYM		10701	RECA	110	F01	1.000 Golf	Pusch	18	10 TR	900	1050	08/31-12/11	M
NOR	GREG		10702	RECA	114	001	1.000 Self Defense	Westrick	18	16 TR	1100	1150	08/31-12/11	M
NOR	SAC		10703	RECA	125	001	1.000 Tennis	Sturgis	18	12 TR	1000	1050	08/31-12/11	M
			10704	RECA	130	001	1.000 Intercollegiate Sports Skills	Dunbar	40	15			08/31-12/11	M
NOR	SAC		10705	RECA	151	001	1.000 Jogging, Walking for Fitness	Williams	24	10 MW	800	850	08/31-12/11	M
NOR		120	10706	RECA	153	001	1.000 Weight Training	Williams	24	15 MW	1100	1150	08/31-12/11	M
NOR		120	10782	RECA	153	002	1.000 Weight Training	Pusch	24	11 TR	800	850	08/31-12/11	M
NOR		208	10707	RECA	154	001	1.000 Yoga	Carlson	18	17 M	1500	1650	08/31-12/11	M
NOR		208	10708	RECA	154	002	1.000 Yoga	Carlson	18	13 W	1500	1650	08/31-12/11	M
NOR		208	10709	RECA	174	001	1.000 Aerobic Dance	Novak	20	18 TR	1800	1850	08/31-12/11	M
NOR	ICE		10886	RECA	180	001	1.000 Beginning Skating	Metro	30	13 MW	1000	1050	08/31-12/11	M
NOR		202	10673	RECS	101	001	3.000 Int Recreation/Leisure Service	Childs	30	19 TR	930	1050	08/31-12/11	M
NOR		206	10674	RECS	105	001	3.000 Program Dev & Leadership	McPherson-Doyle	15	10 MWF	900	950	08/31-12/11	M
NOR		202	10676	RECS	262	001	3.000 Outdoor Recreation	Childs	30	2 MWF	1000	1050	08/31-12/11	M
NOR		206	10778	RECS	270	001	3.000 Sports Management	McPherson-Doyle	24	8 TR	1230	1350	08/31-12/11	M
OFF	CAMPUS		10677	RECS	295	001	1.000 Practicum	Childs	20	5			08/31-12/11	O
OFF	CAMPUS		10678	RECS	295	002	1.000 Practicum	McPherson-Doyle	20	1			08/31-12/11	O
OFF	CAMPUS		10679	RECS	295	003	2.000 Practicum	Childs	20	1			08/31-12/11	O
OFF	CAMPUS		10680	RECS	295	004	2.000 Practicum	McPherson-Doyle	20	0			08/31-12/11	O
			10891	RECS	295	005	1.000 Practicum	Metro	0	0			08/31-12/11	O
			10963	RECS	295	006	2.000 Practicum	Metro	2	2			08/31-12/11	O
NOR		202	10779	RECS	362	001	3.000 Land Mgmt Recreation Purposes	Childs	20	11 MWF	900	950	08/31-12/11	M
OFF	CAMPUS		10683	RECS	390	001	1.000 Rec Leader Apprenticeship	McPherson-Doyle	10	1			08/31-12/11	O
OFF	CAMPUS		10684	RECS	390	002	1.000 Rec Leader Apprenticeship	Childs	10	5			08/31-12/11	O
OFF	CAMPUS		10980	RECS	390	003	1.000 Rec Leader Apprenticeship	Statt	10	2			08/31-12/11	O
NOR		202	10685	RECS	397	001	1.000 Rec Studies Jr Research Sem	Childs	18	11 M	1200	1250	08/31-12/11	M
NOR		206	10686	RECS	437	001	1.000 Rec Studies Sr Res Seminar	Childs	20	12 W	1200	1250	08/31-12/11	M
NOR		202	10687	RECS	481	001	1.000 Professional Development Sem	McPherson-Doyle	15	8 R	1100	1150	08/31-12/11	M
NOR		202	10688	RECS	482	001	4.000 Admin of Rec/Leisure Services	McPherson-Doyle	20	9 MTWF	1100	1150	08/31-12/11	M
OFF	CAMPUS		10689	RECS	492	001	6.000 Internship	Childs	10	1			08/31-12/11	O
OFF	CAMPUS		10690	RECS	492	002	6.000 Internship	McPherson-Doyle	10	1			08/31-12/11	O
OFF	CAMPUS		10691	RECS	496	001	1.000 Selected Research Topics	Childs	10	0			08/31-12/11	O
OFF	CAMPUS		10692	RECS	496	002	2.000 Selected Research Topics	Childs	10	0			08/31-12/11	O
OFF	CAMPUS		10693	RECS	496	003	3.000 Selected Research Topics	Childs	10	0			08/31-12/11	O
OFF	CAMPUS		10694	RECS	496	004	1.000 Selected Research Topics	McPherson-Doyle	10	0			08/31-12/11	O
OFF	CAMPUS		10695	RECS	496	005	2.000 Selected Research Topics	McPherson-Doyle	10	2			08/31-12/11	O
OFF	CAMPUS		10696	RECS	496	006	3.000 Selected Research Topics	McPherson-Doyle	10	0			08/31-12/11	O
LBR		251	10742	SERV	125	001	1.000 Career Plan/Decision Making	Meehan	30	27 W	1400	1450	08/31-12/11	M
LBR	CAREERSERV		10743	SERV	125	00A	0.000 Career Plan/Decision Making	Meehan	15	13 W	1000	1050	08/31-12/11	M
LBR	CAREERSERV		10744	SERV	125	00B	0.000 Career Plan/Decision Making	Meehan	15	14 R	1400	1450	08/31-12/11	M

LBR		203	10725	SOCY	101	001	4.000	Introduction to Sociology	Crandall	75	44	MTWR	1000	1050	08/31-12/11	M
LBR		203	10726	SOCY	101	002	4.000	Introduction to Sociology	Shay	75	58	MTWR	1100	1150	08/31-12/11	M
LBR		278	10727	SOCY	103	001	3.000	Cultural Diversity	Mauldin	60	56	TR	1230	1350	08/31-12/11	M
CRW		207	10728	SOCY	103	002	3.000	Cultural Diversity	Shay	70	71	TR	1400	1520	08/31-12/11	M
CRW		207	10729	SOCY	103	003	3.000	Cultural Diversity	Crandall	70	63	TR	1230	1350	08/31-12/11	M
ONLINE	COURSE		10730	SOCY	103	00N	3.000	Cultural Diversity	Purdy	20	25				08/31-12/11	O
CRW		304	10732	SOCY	238	001	4.000	Social Psychology	Shay	30	9	TR	800	920	08/31-12/11	M
			10733	SOCY	238	00A	0.000	Social Psychology	Shay	30	9				08/31-12/11	M
CAS		107	10734	SOCY	310	001	3.000	Dev of Sociological Theory	Shay	20	8	MWF	1400	1450	08/31-12/11	M
CRW		306	10819	SOCY	314	001	3.000	Social Change	Crandall	30	12	TR	1400	1520	08/31-12/11	M
CAS		107	10736	SOCY	401	001	1.000	Sociology Seminar I	Mauldin	24	8	W	1300	1350	08/31-12/11	M
			10820	SOCY	490	001	3.000	Ind Research Topics Sociology	Crandall	10	6				08/31-12/11	O
			10737	SOCY	495	001	2.000	Senior Project I	Mauldin	19	8				08/31-12/11	O
ART		217	10719	SOWK	110	001	3.000	Introduction to Social Work	Stabile	30	17	T	1800	2100	08/31-12/11	M
ART		208	10720	SOWK	204	001	3.000	Fundamentals of Drug Abuse	Huggett	20	6	R	1800	2100	08/31-12/11	M
OFF	CAMPUS		10721	SOWK	250	001	3.000	Social Work Practicum	Mauldin	15	9				08/31-12/11	O
OFF	CAMPUS		10722	SOWK	250	002	6.000	Social Work Practicum	Mauldin	15	1				08/31-12/11	O
OFF	CAMPUS		10723	SOWK	250	003	9.000	Social Work Practicum	Mauldin	15	0				08/31-12/11	O
CAS		103	10724	SOWK	480	001	3.000	Grantwriting	Adair	20	21	M	1830	2030	08/31-12/11	M
ART		208	10738	SPAN	161	001	4.000	First Year Spanish I	Disney	20	12	MTRF	900	950	08/31-12/11	M
ART		208	10739	SPAN	161	00A	0.000	First Year Spanish I	Disney	20	12	W	900	950	08/31-12/11	M
AT	ATA		10996	SPAN	162	350	4.000	First Year Spanish II	Fiebelkorn	0	13				08/31-12/11	O
			10841	SPAN	490	001	3.000	Topics in Hispanic Literature	Disney	2	0				08/31-12/11	O
ART		262	10755	THEA	101	001	3.000	Acting I	Christensen	20	6	TR	1100	1220	08/31-12/11	M
			10756	THEA	161	001	1.000	Theatre Practicum	Balfantz	10	6				08/31-12/11	M
ART		208	10814	THEA	333	001	3.000	Play Analysis	Christensen	24	3	MWF	1200	1250	08/31-12/11	M
CAS		310	10761	USEM	101	OC1	1.000	Univ Sem I: Foundation Success	Rose	20	12	R	1300	1350	08/31-12/11	M
CAS		310	10761	USEM	101	OC1	1.000	Univ Sem I: Foundation Success	Gordier	20	12	R	1300	1350	08/31-12/11	M
CAS		107	10762	USEM	101	OC2	1.000	Univ Sem I: Foundation Success	Rose	20	15	R	1400	1450	08/31-12/11	M
CAS		107	10762	USEM	101	OC2	1.000	Univ Sem I: Foundation Success	Gordier	20	15	R	1400	1450	08/31-12/11	M
CRW		304	10763	USEM	101	OCH	1.000	Univ Sem I: Foundation Success	Heth	50	24	F	1200	1250	08/31-12/11	M
CRW		109	10764	USEM	101	OEV	1.000	Univ Sem I: Foundation Success	Kelly	24	8	F	1200	1250	08/31-12/11	M
LBR	CAREERSERV		10766	USEM	101	OL1	1.000	Univ Sem I: Foundation Success	Meehan	20	14	M	1400	1450	08/31-12/11	M
LBR	CAREERSERV		10767	USEM	101	OL2	1.000	Univ Sem I: Foundation Success	Meehan	20	8	W	1200	1250	08/31-12/11	M
CRW		306	10768	USEM	101	OPY	1.000	Univ Sem I: Foundation Success	Searight	24	13	W	1600	1650	08/31-12/11	M
CRW		304	10770	USEM	101	CF2	1.000	Univ Sem I: Foundation Success	Gordier	20	15	M	1500	1550	08/31-12/11	M
LBR	CAREERSERV		10771	USEM	103	001	1.000	Univ Sem III: Think About Disc	Meehan	20	5	M	1300	1350	08/31-12/11	M
			11002	USEM	104	001	1.000	Univ Sem IV: Prof Seminar	Meehan	1	1				08/31-12/11	M

BLDG	ROOM	CRN	SUBJ	CRSE	SECT	CREDITS	TITLE	INSTRUCTOR	CAP	ENROLLED	DAYS	START TIME	END TIME	DATES	CAMPUS
CRW		305	20001	ACTG	132	001	4.000 Principles of Accounting I	Rutledge	40	39	TR	1800	2000	01/11-04/22	M
CHARTER	ONLINE	20990	ACTG	132	CHN	4.000	Principles of Accounting I	Beckon	0	0				01/11-04/22	O
CRW		302	20003	ACTG	133	002	4.000 Principles of Accounting II	Saccucci	40	26	TR	1800	2000	01/11-04/22	M
LBR		251	20004	ACTG	233	001	4.000 Intermediate Accounting II	McCready	30	23	MTWR	1100	1150	01/11-04/22	M
CRW		304	20005	ACTG	333	001	4.000 Cost Management II	Hunter	30	19	MTWR	1400	1450	01/11-04/22	M
CAS		103	20008	ACTG	334	001	3.000 Accounting Information Systems	Hunter	24	13	TR	1530	1650	01/11-04/22	M
AT	PETOSKEY	20746	ACTG	334	790	3.000	Accounting Information Systems	Sobeck	20	7	M	1730	2030	01/11-04/22	P
AT	ESCANABA	20747	ACTG	334	890	3.000	Accounting Information Systems	Beckon	28	9	T	1730	2030	01/11-04/22	E
CAS		103	20009	ACTG	350	001	1.000 Income Tax Practicum	McCready	30	10	M	1500	1650	01/11-04/22	M
CAS		107	20010	ACTG	422	001	3.000 Federal Taxation Accounting II	McCready	24	14	MWF	900	950	01/11-04/22	M
AT	PETOSKEY	20748	ACTG	422	790	3.000	Federal Taxation Accounting II	Cartwright	20	6	T	1730	2030	01/11-04/22	P
AT	ESCANABA	20749	ACTG	422	890	3.000	Federal Taxation Accounting II	Beckon	28	12	M	1730	2030	01/11-04/22	E
CRW		108	20011	ACTG	433	001	4.000 Adv Accounting: Governmental	Hunter	30	10	MTWR	1000	1050	01/11-04/22	M
ART		102	20014	ARTS	109	001	3.000 Principles of Design and Color	Eddy	20	6	MW	1800	1920	01/11-04/22	M
ART		102	20015	ARTS	110	001	3.000 Fundamentals of Drawing	Eddy	25	8	TR	930	1050	01/11-04/22	M
ART		115	20967	ARTS	115	001	3.000 Introduction to Ceramics	Morrison	15	11	R	1800	2100	01/11-04/22	M
ART		102	20016	ARTS	211	001	3.000 Mixed Media Explorations	Eddy	20	5	TR	1230	1350	01/11-04/22	M
CAS		212	20017	ARTS	251	001	4.000 Art History & Appreciation II	Eddy	55	20	MTWR	1100	1150	01/11-04/22	M
		20968	ARTS	400	001	3.000	Special Topics:	Eddy	3	3				01/11-04/22	M
CRW		209	20018	BIOL	104	001	4.000 Survey of General Biology	Evans	24	24	MWF	1300	1350	01/11-04/22	M
CRW		209	20019	BIOL	104	00A	0.000 Survey of General Biology	Evans	24	24	MWF	1400	1450	01/11-04/22	M
CRW		205	20020	BIOL	105	001	4.000 Function of the Human Body	Allan	72	64	MWF	900	950	01/11-04/22	M
CRW		211	20021	BIOL	105	00A	0.000 Function of the Human Body	Allan	24	24	W	1000	1150	01/11-04/22	M
CRW		211	20022	BIOL	105	00B	0.000 Function of the Human Body	Allan	24	23	W	1400	1550	01/11-04/22	M
CRW		211	20881	BIOL	105	00C	0.000 Function of the Human Body	Allan	24	17	W	1600	1750	01/11-04/22	M
LBR		278	20023	BIOL	122	001	4.000 Human Anatomy & Physiology II	Ranson Olson	88	81	MWF	900	950	01/11-04/22	M
CRW		210	20024	BIOL	122	00A	0.000 Human Anatomy & Physiology II	Ranson Olson	22	19	M	1400	1650	01/11-04/22	M
CRW		210	20025	BIOL	122	00B	0.000 Human Anatomy & Physiology II	Light	22	17	W	1400	1650	01/11-04/22	M
CRW		210	20026	BIOL	122	00C	0.000 Human Anatomy & Physiology II	Ranson Olson	22	23	T	900	1150	01/11-04/22	M
CRW		210	20027	BIOL	122	00D	0.000 Human Anatomy & Physiology II	Light	22	22	M	1800	2100	01/11-04/22	M
CRW		210	20028	BIOL	122	1SL	0.000 Human Anatomy & Physiology II	TBA	22	10	M	1100	1150	01/11-04/22	M
CRW		210	20029	BIOL	122	2SL	0.000 Human Anatomy & Physiology II	TBA	22	11	W	1200	1250	01/11-04/22	M
CRW		210	20030	BIOL	122	3SL	0.000 Human Anatomy & Physiology II	TBA	22	12	W	1700	1750	01/11-04/22	M
CRW		210	20031	BIOL	122	4SL	0.000 Human Anatomy & Physiology II	TBA	22	6	R	1300	1350	01/11-04/22	M
CRW		108	20032	BIOL	126	001	2.000 Interpret Maps/Aerial Photos	Merkel	32	28	R	800	850	01/11-04/22	M
CRW		256	20033	BIOL	126	00A	0.000 Interpret Maps/Aerial Photos	Merkel	16	13	R	1100	1350	01/11-04/22	M
CRW		256	20034	BIOL	126	00B	0.000 Interpret Maps/Aerial Photos	Merkel	16	15	R	1400	1650	01/11-04/22	M
CRW		207	20035	BIOL	131	001	4.000 General Biology: Cells	Hutchens	72	49	MWF	1300	1350	01/11-04/22	M
CRW		249	20036	BIOL	131	00A	0.000 General Biology: Cells	Clark	24	22	M	1400	1650	01/11-04/22	M
CRW		249	20037	BIOL	131	00B	0.000 General Biology: Cells	Li	24	7	T	800	1050	01/11-04/22	M
CRW		249	20038	BIOL	131	00C	0.000 General Biology: Cells	Li	24	20	W	1400	1650	01/11-04/22	M
CRW		205	20039	BIOL	132	001	4.000 General Biology: Organisms	Kolomyjec	72	39	MWF	1300	1350	01/11-04/22	M
CRW		232	20040	BIOL	132	00A	0.000 General Biology: Organisms	Kolomyjec	24	17	M	1400	1650	01/11-04/22	M
CRW		232	20041	BIOL	132	00B	0.000 General Biology: Organisms	Kolomyjec	24	6	T	800	1050	01/11-04/22	M
CRW		232	20042	BIOL	132	00C	0.000 General Biology: Organisms	Kolomyjec	24	16	W	1400	1650	01/11-04/22	M
CRW		306	20043	BIOL	199	001	1.000 Freshman Seminar	Zimmerman	24	16	W	1200	1250	01/11-04/22	M

CRW	302	20044	BIOL	223	001	3.000	Clinical Microbiology	Hutchens	35	21	F	1400	1550	01/11-04/22	M
CRW	302	20044	BIOL	223	001	3.000	Clinical Microbiology	Hutchens	35	21	W	1500	1550	01/11-04/22	M
CRW	303	20045	BIOL	243	001	4.000	Vertebrate Anatomy	Roesse	40	29	MWF	800	850	01/11-04/22	M
CRW	232	20046	BIOL	243	00A	0.000	Vertebrate Anatomy	Roesse	24	18	R	1400	1650	01/11-04/22	M
CRW	232	20930	BIOL	243	00B	0.000	Vertebrate Anatomy	Kolomyjec	16	11	T	1400	1650	01/11-04/22	M
CRW	305	20047	BIOL	250	001	3.000	Quantitative Biology	Roesse	40	32	MWF	900	950	01/11-04/22	M
CRW	306	20048	BIOL	280	001	3.000	Biostatistics	Zimmerman	48	40	TR	1230	1320	01/11-04/22	M
CRW	107	20049	BIOL	280	00A	0.000	Biostatistics	Zimmerman	16	15	T	1400	1550	01/11-04/22	M
CRW	107	20050	BIOL	280	00B	0.000	Biostatistics	Zimmerman	16	12	R	1400	1550	01/11-04/22	M
CRW	107	20051	BIOL	280	00C	0.000	Biostatistics	Zimmerman	16	13	W	1600	1750	01/11-04/22	M
CRW	204	20052	BIOL	284	001	4.000	Principles Forest Conservation	Merkel	28	31	MW	800	850	01/11-04/22	M
CRW	256	20053	BIOL	284	00A	0.000	Principles Forest Conservation	Merkel	14	16	M	1300	1650	01/11-04/22	M
CRW	256	20054	BIOL	284	00B	0.000	Principles Forest Conservation	Merkel	14	15	T	1300	1650	01/11-04/22	M
CRW	209	20769	BIOL	285	001	3.000	Principles of Epidemiology	Zimmerman	24	7	TR	1100	1220	01/11-04/22	M
CRW	303	20055	BIOL	286	001	3.000	Principles of Watersheds	Moerke	40	40	MWF	900	950	01/11-04/22	M
CRW	306	20056	BIOL	287	001	3.000	Conservation Biology	Clark	24	23	T	1800	2100	01/11-04/22	M
CRW	108	20057	BIOL	299	001	1.000	Sophomore Seminar	Ranson Olson	30	32	W	1200	1250	01/11-04/22	M
CRW	256	20060	BIOL	304	001	3.000	The Human Environment	Merkel	16	20	MWF	1100	1150	01/11-04/22	M
CRW	122	20063	BIOL	312	001	3.000	Ornithology	Allan	14	17	MF	1100	1150	01/11-04/22	M
CRW	122	20064	BIOL	312	00A	0.000	Ornithology	Allan	14	17	T	630	1020	01/11-04/22	M
CRW	207	20065	BIOL	330	001	4.000	Animal Physiology	Evans	32	25	MWF	1000	1050	01/11-04/22	M
CRW	211	20066	BIOL	330	00A	0.000	Animal Physiology	Evans	16	12	T	900	1150	01/11-04/22	M
CRW	211	20067	BIOL	330	00B	0.000	Animal Physiology	Evans	16	13	T	1400	1650	01/11-04/22	M
CRW	305	20070	BIOL	333	001	3.000	Fish Ecology	Kapuscinski	24	12	MWF	800	850	01/11-04/22	M
CRW	109	20782	BIOL	335	001	3.000	Principles of Animal Nutrition	Roesse	20	7	TR	800	920	01/11-04/22	M
CRW	305	20781	BIOL	339	001	3.000	Wildlife Ecology	Roesse	24	21	MWF	1000	1050	01/11-04/22	M
CRW	258	20071	BIOL	372	001	3.000	Freshwater Fish Culture	Kapuscinski	14	7	WF	1400	1450	01/11-04/22	M
CRW	258	20772	BIOL	372	00A	0.000	Freshwater Fish Culture	Kapuscinski	14	7	R	1400	1650	01/11-04/22	M
CRW	109	20776	BIOL	380	001	4.000	Clin Hematology & Hemostasis	Hutchens	16	8	MWF	800	850	01/11-04/22	M
CRW	230	20777	BIOL	380	00A	0.000	Clin Hematology & Hemostasis	Hutchens	16	8	R	800	1050	01/11-04/22	M
CRW		20923	BIOL	389	001	3.000	Internship in Biology	Li	1	1				01/11-04/22	M
CRW	305	20072	BIOL	399	001	1.000	Junior Seminar	Moerke	33	26	W	1200	1250	01/11-04/22	M
CRW	109	20770	BIOL	406	001	3.000	Immunohematology	Hutchens	16	7	TR	1400	1450	01/11-04/22	M
CRW	230	20771	BIOL	406	00A	0.000	Immunohematology	Hutchens	16	7	R	1500	1750	01/11-04/22	M
CRW	109	20780	BIOL	420	001	3.000	Evolutionary Analysis	Kolomyjec	16	11	TR	1230	1350	01/11-04/22	M
CRW	109	20879	BIOL	421	001	4.000	Adv Cell & Molecular Biology	Ranson Olson	16	10	WF	1400	1520	01/11-04/22	M
CRW	231	20880	BIOL	421	00A	0.000	Adv Cell & Molecular Biology	Ranson Olson	16	10	WF	1530	1650	01/11-04/22	M
CRW	109	20773	BIOL	423	001	4.000	Immunology	Li	16	12	MWF	1300	1350	01/11-04/22	M
CRW	231	20774	BIOL	423	00A	0.000	Immunology	Li	16	12	M	1400	1650	01/11-04/22	M
CRW		20918	BIOL	450	001	1.000	Laboratory Apprenticeship	Evans	1	1				01/11-04/22	M
CRW	304	20783	BIOL	470	001	3.000	Restoration Ecology	Moerke	20	11	TR	930	1050	01/11-04/22	M
CRW	257	20078	BIOL	475	001	3.000	Aquatic Entomology	Moerke	12	8	MW	1300	1350	01/11-04/22	M
CRW	257	20775	BIOL	475	00A	0.000	Aquatic Entomology	Moerke	12	8	M	1400	1650	01/11-04/22	M
CRW	209	20924	BIOL	490	001	3.000	Independent Study	Li	4	4	TR	1230	1350	01/11-04/22	M
CRW	204	20082	BIOL	495	001	2.000	Senior Project	Allan	3	1	W	1200	1250	01/11-04/22	O
CRW	204	20083	BIOL	495	002	2.000	Senior Project	Evans	3	0	W	1200	1250	01/11-04/22	O
CRW	204	20778	BIOL	495	003	2.000	Senior Project	Merkel	3	0	W	1200	1250	01/11-04/22	O

CRW		204	20085	BIOL	495	004	2.000	Senior Project	Moerke	3	0	W	1200	1250	01/11-04/22	O
CRW		204	20086	BIOL	495	005	2.000	Senior Project	Hutchens	3	2	W	1200	1250	01/11-04/22	O
CRW		204	20087	BIOL	495	006	2.000	Senior Project	Kapuscinski	3	2	W	1200	1250	01/11-04/22	O
CRW		204	20088	BIOL	495	007	2.000	Senior Project	Li	3	2	W	1200	1250	01/11-04/22	O
CRW		204	20089	BIOL	495	008	2.000	Senior Project	Ranson Olson	3	1	W	1200	1250	01/11-04/22	O
CRW		204	20090	BIOL	495	009	2.000	Senior Project	Evans	1	1	W	1200	1250	01/11-04/22	O
CRW		204	20091	BIOL	495	010	2.000	Senior Project	Zimmerman	3	1	W	1200	1250	01/11-04/22	O
CRW		204	20969	BIOL	495	011	2.000	Senior Project	Kolomyjec	3	2	W	1200	1250	01/11-04/22	O
			20939	BIOL	497	001	3.000	Experiential Learning Project	Evans	1	1				01/11-04/22	O
CRW		204	20092	BIOL	499	001	1.000	Senior Seminar	Li	30	23	W	1200	1250	01/11-04/22	M
CRW		205	20093	BUSN	121	001	3.000	Introduction to Business	Philips	50	48	MW	1700	1820	01/11-04/22	M
CHARTER	ONLINE		20991	BUSN	121	CHN	3.000	Introduction to Business	Eles	0	5				01/11-04/22	O
CAS		103	20095	BUSN	211	001	3.000	Business Statistics	Diaz	30	21	TR	930	1050	01/11-04/22	M
CAS		103	20097	BUSN	231	001	3.000	Business Communications	Masters	30	28	TR	1400	1520	01/11-04/22	M
CAS		103	20098	BUSN	231	002	3.000	Business Communications	Masters	30	10	TR	1800	1920	01/11-04/22	M
			20960	BUSN	299	001	3.000	Internship in: (Discipline)	Philips	9	9				01/11-04/22	O
			20961	BUSN	299	002	2.000	Internship in: (Discipline)	Philips	1	2				01/11-04/22	O
CRW		304	20099	BUSN	350	001	3.000	Business Law I	Collymore	30	28	TR	1100	1220	01/11-04/22	M
			20959	BUSN	399	001	3.000	Internship in: (Discipline)	Philips	3	3				01/11-04/22	O
			20962	BUSN	399	002	1.000	Internship in: (Discipline)	McCready	1	1				01/11-04/22	O
			20963	BUSN	399	003	4.000	Internship in: (Discipline)	Philips	1	1				01/11-04/22	O
			20964	BUSN	399	004	3.000	Internship in: (Discipline)	Beckon	1	1				01/11-04/22	O
			20979	BUSN	399	005	3.000	Internship in: (Discipline)	Collymore	1	1				01/11-04/22	O
CAS		107	20101	BUSN	403	001	3.000	Business, Government & Society	Root	24	22	TR	1100	1220	01/11-04/22	M
AT	PETOSKEY		20750	BUSN	403	790	3.000	Business, Government & Society	Root	20	23	R	1730	2030	01/11-04/22	P
ONLINE	COURSE		20102	BUSN	403	00N	3.000	Business, Government & Society	Beckon	20	24				01/11-04/22	O
CRW		304	20103	BUSN	466	001	3.000	Business Policy	Wilhelms	25	23	T	1800	2100	01/11-04/22	M
CAS		211	20935	BUSN	466	002	3.000	Business Policy	Wilhelms	20	11	TR	1230	1350	01/11-04/22	M
AT	ESCANABA		20105	BUSN	466	890	3.000	Business Policy	Wilhelms	30	15	F	1800	2100	01/11-04/22	E
AT	ESCANABA		20105	BUSN	466	890	3.000	Business Policy	Wilhelms	30	15	F	1800	2100	01/11-04/22	E
AT	ESCANABA		20105	BUSN	466	890	3.000	Business Policy	Wilhelms	30	15	F	1800	2100	01/11-04/22	E
AT	ESCANABA		20105	BUSN	466	890	3.000	Business Policy	Wilhelms	30	15	F	1800	2100	01/11-04/22	E
AT	ESCANABA		20105	BUSN	466	890	3.000	Business Policy	Wilhelms	30	15	F	1800	2100	01/11-04/22	E
AT	ESCANABA		20105	BUSN	466	890	3.000	Business Policy	Wilhelms	30	15	S	800	1500	01/11-04/22	E
AT	ESCANABA		20105	BUSN	466	890	3.000	Business Policy	Wilhelms	30	15	S	800	1500	01/11-04/22	E
AT	ESCANABA		20105	BUSN	466	890	3.000	Business Policy	Wilhelms	30	15	S	800	1500	01/11-04/22	E
AT	ESCANABA		20105	BUSN	466	890	3.000	Business Policy	Wilhelms	30	15	S	800	1500	01/11-04/22	E
CRW		205	20106	CHEM	108	001	3.000	Applied Chemistry	Keller	80	59	MWF	800	850	01/11-04/22	M
CRW		302	20107	CHEM	108	1SL	0.000	Applied Chemistry	TBA	24	22	W	1200	1250	01/11-04/22	M
CAS		108	20108	CHEM	108	2SL	0.000	Applied Chemistry	TBA	24	9	R	1100	1150	01/11-04/22	M
CRW		333	20109	CHEM	109	001	1.000	Applied Chemistry Lab	Heth	22	14	R	1400	1650	01/11-04/22	M
CRW		207	20110	CHEM	110	001	4.000	Applied Organic & Biochemistry	Werner	40	25	MWF	800	850	01/11-04/22	M
CRW		335	20111	CHEM	110	00A	0.000	Applied Organic & Biochemistry	Werner	20	17	R	800	950	01/11-04/22	M
CRW		335	20112	CHEM	110	00B	0.000	Applied Organic & Biochemistry	Werner	20	8	R	1000	1150	01/11-04/22	M
CAS		108	20113	CHEM	110	1SL	0.000	Applied Organic & Biochemistry	TBA	20	6	T	1100	1150	01/11-04/22	M
CRW		205	20114	CHEM	115	001	5.000	General Chemistry I	Heth	63	61	MTWF	1100	1150	01/11-04/22	M

CRW	334	20115	CHEM	115	00A	0.000	General Chemistry I	Heth	21	20	M	1400	1550	01/11-04/22	M
CRW	334	20116	CHEM	115	00B	0.000	General Chemistry I	Werner	21	21	T	800	950	01/11-04/22	M
CRW	334	20117	CHEM	115	00C	0.000	General Chemistry I	Iretski	21	20	M	1800	1950	01/11-04/22	M
CRW	109	20118	CHEM	115	1SL	0.000	General Chemistry I	TBA	21	3	W	1200	1250	01/11-04/22	M
CRW	304	20119	CHEM	115	2SL	0.000	General Chemistry I	TBA	21	6	W	1700	1750	01/11-04/22	M
CRW	108	20120	CHEM	115	3SL	0.000	General Chemistry I	TBA	21	1	R	1700	1750	01/11-04/22	M
CRW	204	20121	CHEM	116	001	5.000	General Chemistry II	Iretski	120	89	MTWF	1100	1150	01/11-04/22	M
CRW	333	20122	CHEM	116	00A	0.000	General Chemistry II	Johnson	24	23	M	1400	1650	01/11-04/22	M
CRW	333	20124	CHEM	116	00C	0.000	General Chemistry II	Iretski	24	21	T	1400	1650	01/11-04/22	M
CRW	333	20125	CHEM	116	00D	0.000	General Chemistry II	Johnson	24	23	T	1800	2100	01/11-04/22	M
CRW	333	20126	CHEM	116	00E	0.000	General Chemistry II	Keller	24	22	W	1400	1650	01/11-04/22	M
CRW	109	20127	CHEM	116	1SL	0.000	General Chemistry II	TBA	24	11	M	1200	1250	01/11-04/22	M
CRW	303	20128	CHEM	116	2SL	0.000	General Chemistry II	TBA	24	4	W	1600	1650	01/11-04/22	M
CRW	304	20129	CHEM	116	3SL	0.000	General Chemistry II	TBA	24	5	R	1700	1750	01/11-04/22	M
CRW	336	20130	CHEM	225	001	4.000	Organic Chemistry I	Werner	18	16	MWF	1100	1150	01/11-04/22	M
CRW	335	20131	CHEM	225	00A	0.000	Organic Chemistry I	Werner	18	16	M	1400	1650	01/11-04/22	M
CRW	306	20132	CHEM	226	001	4.000	Organic Chemistry II	Mosey	48	32	MWF	900	950	01/11-04/22	M
CRW	335	20133	CHEM	226	00A	0.000	Organic Chemistry II	Mosey	16	11	W	1400	1650	01/11-04/22	M
CRW	335	20134	CHEM	226	00B	0.000	Organic Chemistry II	Mosey	16	12	T	800	1050	01/11-04/22	M
CRW	335	20135	CHEM	226	00C	0.000	Organic Chemistry II	Mosey	16	9	T	1400	1650	01/11-04/22	M
CRW	108	20136	CHEM	261	001	4.000	Inorganic Chemistry	Iretski	20	12	MWF	1300	1350	01/11-04/22	M
CRW	334	20137	CHEM	261	00A	0.000	Inorganic Chemistry	Iretski	20	12	W	1700	2000	01/11-04/22	M
CRW	108	20792	CHEM	310	001	4.000	Applied Spectroscopy	Mosey	15	12	TR	1230	1350	01/11-04/22	M
CRW	108	20792	CHEM	310	001	4.000	Applied Spectroscopy	Heth	15	12	TR	1230	1350	01/11-04/22	M
CRW	108	20792	CHEM	310	001	4.000	Applied Spectroscopy	Iretski	15	12	TR	1230	1350	01/11-04/22	M
CRW	310	20793	CHEM	310	00A	0.000	Applied Spectroscopy	Heth	15	12	R	1400	1650	01/11-04/22	M
CRW	310	20793	CHEM	310	00A	0.000	Applied Spectroscopy	Mosey	15	12	R	1400	1650	01/11-04/22	M
CRW	310	20793	CHEM	310	00A	0.000	Applied Spectroscopy	Iretski	15	12	R	1400	1650	01/11-04/22	M
CRW	306	20138	CHEM	332	001	4.000	Instrumental Analysis	Keller	20	14	MWF	1300	1350	01/11-04/22	M
CRW	310	20139	CHEM	332	00A	0.000	Instrumental Analysis	Keller	10	6	T	1400	1650	01/11-04/22	M
CRW	310	20141	CHEM	332	00C	0.000	Instrumental Analysis	Keller	10	8	M	1400	1650	01/11-04/22	M
CRW	205	20791	CHEM	353	001	3.000	Introductory Toxicology	Johnson	50	18	MWF	1000	1050	01/11-04/22	M
CRW	207	20142	CHEM	395	001	1.000	Junior Seminar	Kelly	36	12	F	1200	1250	01/11-04/22	M
CRW	109	20145	CHEM	452	001	4.000	Adv Biochemical Molecular Tech	Johnson	15	6	MW	1100	1150	01/11-04/22	M
CRW	308	20146	CHEM	452	00A	0.000	Adv Biochemical Molecular Tech	Johnson	15	6	TR	1100	1250	01/11-04/22	M
		20150	CHEM	495	001	2.000	Senior Project	Heth	4	0				01/11-04/22	O
		20151	CHEM	495	002	2.000	Senior Project	Iretski	4	0				01/11-04/22	O
		20152	CHEM	495	003	2.000	Senior Project	Johnson	4	0				01/11-04/22	O
		20153	CHEM	495	004	2.000	Senior Project	Kelly	4	0				01/11-04/22	O
		20154	CHEM	495	005	2.000	Senior Project	Mosey	4	1				01/11-04/22	O
		20155	CHEM	495	006	2.000	Senior Project	Munoz-Hernandez	4	0				01/11-04/22	O
		20156	CHEM	495	007	2.000	Senior Project	Werner	4	0				01/11-04/22	O
		20157	CHEM	495	008	2.000	Senior Project	Wright	4	0				01/11-04/22	O
CRW	304	20158	CHEM	499	001	1.000	Senior Seminar	Heth	20	9	F	1200	1250	01/11-04/22	M
CAS	102	20240	CHLD	103	001	4.000	Learning Env for Young Child	Hammock	24	6	TR	1130	1320	01/11-04/22	M
CAS	102	20241	CHLD	150	001	4.000	Observation and Assessment	Burgess	24	16	MW	1400	1550	01/11-04/22	M
AT	PETOSKEY	20243	CHLD	150	790	4.000	Observation and Assessment	Curth	24	7	M	1700	2000	01/11-04/22	P

AT	PETOSKEY	20243	CHLD	150	790	4.000	Observation and Assessment	Curth	24	7 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20243	CHLD	150	790	4.000	Observation and Assessment	Curth	24	7 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20243	CHLD	150	790	4.000	Observation and Assessment	Curth	24	7 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20243	CHLD	150	790	4.000	Observation and Assessment	Curth	24	7 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20243	CHLD	150	790	4.000	Observation and Assessment	Curth	24	7 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20243	CHLD	150	790	4.000	Observation and Assessment	Curth	24	7 M	1700	2000	01/11-04/22	P	
CAS		102	20865	CHLD	225	001	3.000	Emergent Literacy	Beacom	24	15 TR	1600	1720	01/11-04/22	M
AT	PETOSKEY	20884	CHLD	225	790	3.000	Emergent Literacy	Loper	24	6 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20884	CHLD	225	790	3.000	Emergent Literacy	Loper	24	6 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20884	CHLD	225	790	3.000	Emergent Literacy	Loper	24	6 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20884	CHLD	225	790	3.000	Emergent Literacy	Loper	24	6 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20884	CHLD	225	790	3.000	Emergent Literacy	Loper	24	6 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20884	CHLD	225	790	3.000	Emergent Literacy	Loper	24	6 M	1700	2000	01/11-04/22	P	
AT	PETOSKEY	20884	CHLD	225	790	3.000	Emergent Literacy	Loper	24	6 M	1700	2000	01/11-04/22	P	
AT	ESCANABA	20886	CHLD	225	890	3.000	Emergent Literacy	Barteld	24	4 M	1700	2000	01/11-04/22	E	
AT	ESCANABA	20886	CHLD	225	890	3.000	Emergent Literacy	Barteld	24	4 M	1700	2000	01/11-04/22	E	
AT	ESCANABA	20886	CHLD	225	890	3.000	Emergent Literacy	Barteld	24	4 M	1700	2000	01/11-04/22	E	
AT	ESCANABA	20886	CHLD	225	890	3.000	Emergent Literacy	Barteld	24	4 M	1700	2000	01/11-04/22	E	
AT	ESCANABA	20886	CHLD	225	890	3.000	Emergent Literacy	Barteld	24	4 M	1700	2000	01/11-04/22	E	
CAS		102	20866	CHLD	245	001	3.000	Early Childhood Curriculum	Chaput	24	9 MW	1600	1720	01/11-04/22	M
			20873	CHLD	260	001	4.000	Practicum I	Davis	20	4			01/11-04/22	O
CAS		102	20868	CHLD	330	001	2.000	Phil Foundation Early Child Ed	Fiebelkorn	24	6 W	1800	1950	01/11-04/22	M
			20925	CHLD	410	001	4.000	Practicum II	Davis	10	2			01/11-04/22	M
CAS		102	20867	CHLD	440	001	3.000	Family/Community Partnerships	Menard	24	11 T	1800	2050	01/11-04/22	M
CAS		102	20906	CHLD	480	001	1.000	Directed Teaching: Seminar	Fiebelkorn	5	1 R	1800	2000	01/11-04/22	M
CAS		102	20906	CHLD	480	001	1.000	Directed Teaching: Seminar	Fiebelkorn	5	1 R	1800	2000	01/11-04/22	M
CAS		102	20906	CHLD	480	001	1.000	Directed Teaching: Seminar	Fiebelkorn	5	1 R	1800	2000	01/11-04/22	M
CAS		102	20906	CHLD	480	001	1.000	Directed Teaching: Seminar	Fiebelkorn	5	1 R	1800	2000	01/11-04/22	M
CAS		102	20906	CHLD	480	001	1.000	Directed Teaching: Seminar	Fiebelkorn	5	1 R	1800	2000	01/11-04/22	M
CAS		102	20906	CHLD	480	001	1.000	Directed Teaching: Seminar	Fiebelkorn	5	1 R	1800	2000	01/11-04/22	M
			20907	CHLD	492	001	5.000	Dir Teaching: Early Childhood	Fiebelkorn	5	1			01/11-04/22	O
			20874	CHLD	495	001	4.000	Senior Project Early Child Ed	Light	10	4			01/11-04/22	O
NOR		206	20201	CJUS	102	001	3.000	Police Process	Westrick	40	32 MWF	900	950	01/11-04/22	M
NOR		212	20202	CJUS	102	002	3.000	Police Process	Westrick	40	35 TR	1530	1650	01/11-04/22	M
NOR		202	20203	CJUS	130	001	3.000	Client Relations/Corrections	Gordier	20	5 MWF	800	850	01/11-04/22	M
NOR	SAC		20204	CJUS	197	001	1.000	Physical Fitness Public Safety	Swanson	30	13 MWF	630	720	01/11-04/22	M
NOR		209	20205	CJUS	201	001	1.000	Firearms Training	Colvin	12	13 MW	800	850	01/11-04/22	M
NOR		209	20206	CJUS	201	002	1.000	Firearms Training	Colvin	12	9 MW	900	950	01/11-04/22	M
NOR		209	20207	CJUS	201	003	1.000	Firearms Training	Colvin	12	12 MW	1000	1050	01/11-04/22	M
NOR		212	20208	CJUS	206	001	3.000	Law Enf/Loss Contrl Internship	Bitnar	25	18 W	1630	1720	01/11-04/22	O
NOR		202	20209	CJUS	220	001	3.000	Institutional Corrections	Gordier	20	8 MWF	900	950	01/11-04/22	M
CRW		204	20210	CJUS	243	001	3.000	Investigation	Westrick	65	63 TR	1230	1350	01/11-04/22	M
NOR		212	20836	CJUS	303	001	3.000	Crit Infrastructure Protection	Strait	40	35 TR	1800	1920	01/11-04/22	M
NOR		212	20211	CJUS	313	001	3.000	Crisis Interv Deviant Behavior	Westrick	40	31 MWF	1100	1150	01/11-04/22	M
NOR		202	20214	CJUS	330	001	3.000	Correctional Casework	Jones	20	6 M	1800	2100	01/11-04/22	M
NOR		212	20215	CJUS	341	001	3.000	Fire Cause/Arson Investigation	Henderson	40	17 MWF	1200	1250	01/11-04/22	M

CRW		306	20217	CJUS	345	001	4.000	Stats & Design/Public Safety	Gordier	35	25	TR	1100	1220	01/11-04/22	M
LBR		333	20218	CJUS	345	00A	0.000	Stats & Design/Public Safety	Gordier	18	18	R	1400	1550	01/11-04/22	M
LBR		333	20928	CJUS	345	00B	0.000	Stats & Design/Public Safety	Gordier	17	7	W	1000	1150	01/11-04/22	M
CRW		306	20883	CJUS	355	001	3.000	Juvenile Justice	Andary	25	6	MWF	1100	1150	01/11-04/22	M
LBR		251	20223	CJUS	401	001	3.000	Senior Seminar	Tridico	18	10	TR	930	1050	01/11-04/22	M
LBR		251	20224	CJUS	401	002	3.000	Senior Seminar	Tridico	15	14	TR	1230	1350	01/11-04/22	M
OFF	CAMPUS		20225	CJUS	402	001	3.000	Criminal Justice Internship	Henderson	10	8				01/11-04/22	O
OFF	CAMPUS		20226	CJUS	402	002	6.000	Criminal Justice Internship	Henderson	5	6				01/11-04/22	O
OFF	CAMPUS		20228	CJUS	402	004	3.000	Criminal Justice Internship	Tridico	10	1				01/11-04/22	O
OFF	CAMPUS		20229	CJUS	402	005	6.000	Criminal Justice Internship	Tridico	5	1				01/11-04/22	O
NOR		202	20231	CJUS	409	001	3.000	Procedural Criminal Law	Chambers	40	34	TR	1900	2030	01/11-04/22	M
AT	ESCANABA		20916	CJUS	409	890	3.000	Procedural Criminal Law	Davis	20	6	R	1800	2100	01/11-04/22	E
NOR		212	20232	CJUS	411	001	5.000	Police Operations	Henderson	30	13	MWF	900	950	01/11-04/22	M
NOR		212	20232	CJUS	411	001	5.000	Police Operations	Chambers	30	13	MWF	900	950	01/11-04/22	M
NOR		212	20232	CJUS	411	001	5.000	Police Operations	Chambers	30	13	W	1900	2100	01/11-04/22	M
NOR		212	20232	CJUS	411	001	5.000	Police Operations	Henderson	30	13	W	1900	2100	01/11-04/22	M
NOR		212	20233	CJUS	444	001	4.000	Criminalistics	Henderson	36	27	MWF	800	850	01/11-04/22	M
CRW		308	20234	CJUS	444	00A	0.000	Criminalistics	Henderson	18	13	R	1500	1750	01/11-04/22	M
CRW		308	20832	CJUS	444	00B	0.000	Criminalistics	Henderson	18	14	T	1400	1650	01/11-04/22	M
NOR		212	20834	CJUS	484	001	3.000	Futures Research/Crim Justice	Tridico	25	17	MWF	1000	1050	01/11-04/22	M
ONLINE	COURSE		20835	CJUS	484	00N	3.000	Futures Research/Crim Justice	Tridico	20	19				01/11-04/22	O
			20908	CJUS	490	001	1.000	Ind Study Criminal Justice	Tridico	7	5				01/11-04/22	O
			20956	CJUS	490	002	3.000	Ind Study Criminal Justice	Tridico	1	1				01/11-04/22	O
CAS		211	20159	COMM	101	001	3.000	Fund/Speech Communication	Balfantz	24	24	MWF	1000	1050	01/11-04/22	M
CAS		211	20160	COMM	101	002	3.000	Fund/Speech Communication	Denger	24	23	TR	1100	1220	01/11-04/22	M
CAS		212	20161	COMM	101	003	3.000	Fund/Speech Communication	Baird	24	24	TR	1230	1350	01/11-04/22	M
CAS		108	20162	COMM	101	004	3.000	Fund/Speech Communication	Balfantz	24	22	TR	1400	1520	01/11-04/22	M
ART		208	20163	COMM	101	005	3.000	Fund/Speech Communication	Baird	24	21	MWF	900	950	01/11-04/22	M
CAS		211	20164	COMM	101	006	3.000	Fund/Speech Communication	Balfantz	24	23	MWF	1100	1150	01/11-04/22	M
CAS		108	20165	COMM	101	007	3.000	Fund/Speech Communication	Denger	24	20	TR	930	1050	01/11-04/22	M
CAS		107	20167	COMM	101	009	3.000	Fund/Speech Communication	Denger	24	22	MWF	1200	1250	01/11-04/22	M
ART		217	20797	COMM	101	010	3.000	Fund/Speech Communication	Baird	24	16	W	1800	2100	01/11-04/22	M
ART		106	20821	COMM	201	001	3.000	Small Group Communication	Balfantz	14	12	TR	1100	1220	01/11-04/22	M
CAS		107	20822	COMM	225	001	3.000	Interpersonal Communication	Baird	24	7	TR	930	1050	01/11-04/22	M
CAS		107	20823	COMM	307	001	3.000	Classical/Contemp Rhetoric	Denger	20	9	TR	1400	1520	01/11-04/22	M
AT	PETOSKEY		20920	COMM	320	790	4.000	Public Relations	Hovey	20	12	T	1730	2130	01/11-04/22	P
			20951	COMM	399	001	3.000	Internship in Communication	Balfantz	3	3				01/11-04/22	O
			20986	COMM	490	001	3.000	Senior Dir Stdy Communication	Denger	2	2				01/11-04/22	M
CAS		210	20173	CSCI	105	001	3.000	Intro to Computer Programming	Smith	20	20	MF	1200	1250	01/11-04/22	M
CAS		303	20175	CSCI	105	00A	0.000	Intro to Computer Programming	Smith	20	20	W	1500	1650	01/11-04/22	M
CAS		210	20176	CSCI	107	001	3.000	Web Graphic Design/Development	Kalata	17	18	MW	1400	1450	01/11-04/22	M
CAS		303	20177	CSCI	107	00A	0.000	Web Graphic Design/Development	Kalata	17	18	R	1500	1650	01/11-04/22	M
CAS		210	20178	CSCI	121	001	4.000	Principles of Programming	Terwilliger	35	32	MTRF	1000	1050	01/11-04/22	M
CAS		210	20179	CSCI	221	001	3.000	Computer Networks	Kalata	13	13	TR	1200	1250	01/11-04/22	M
CAS	209-A		20180	CSCI	221	00A	0.000	Computer Networks	Kalata	13	13	T	1530	1720	01/11-04/22	M
CAS		207	20186	CSCI	281	001	3.000	Intro to UNIX and Networking	Schemm	12	10	MF	1200	1250	01/11-04/22	M
CAS	209-A		20762	CSCI	281	00B	0.000	Intro to UNIX and Networking	Schemm	12	10	M	1500	1650	01/11-04/22	M

CAS	209-A	20188	CSCI	291	001	4.000	Computer Science Project	Terwilliger	10	8	MTWR	1100	1150	01/11-04/22	M	
CAS		210	20189	CSCI	292	001	4.000	Computer Networking Project	Kalata	10	11	MTWR	1100	1150	01/11-04/22	M
CAS		207	20763	CSCI	326	001	3.000	Dev Web Apps with ASP.NET	Kalata	20	10	TR	1300	1350	01/11-04/22	M
CAS		303	20764	CSCI	326	00A	0.000	Dev Web Apps with ASP.NET	Kalata	20	10	W	900	1050	01/11-04/22	M
CAS		211	20192	CSCI	348	001	3.000	Network Operating Systems II	Schemm	24	13	MF	1300	1350	01/11-04/22	M
CAS	209-A		20193	CSCI	348	00A	0.000	Network Operating Systems II	Schemm	12	6	W	1300	1450	01/11-04/22	M
CAS	209-A		20765	CSCI	348	00B	0.000	Network Operating Systems II	Schemm	12	7	T	1300	1450	01/11-04/22	M
CAS		207	20194	CSCI	371	001	3.000	Multi-Platform App Development	Schemm	25	11	TR	930	1050	01/11-04/22	M
CAS		303	20196	CSCI	419	001	3.000	Senior Project II	Smith	12	8	W	1100	1150	01/11-04/22	M
CAS		303	20197	CSCI	419	00A	0.000	Senior Project II	Smith	12	8	MTRF	1100	1150	01/11-04/22	M
CAS		207	20198	CSCI	422	001	3.000	Network and Computer Security	Schemm	12	6	MF	1400	1450	01/11-04/22	M
CAS	209-A		20199	CSCI	422	00A	0.000	Network and Computer Security	Schemm	12	6	W	900	1050	01/11-04/22	M
CAS		207	20766	CSCI	434	001	3.000	Operating Systems Concepts	Terwilliger	20	14	MWF	1300	1350	01/11-04/22	M
ART		209	20235	DANC	201	001	1.000	Ballet II	Legg	20	9	TR	930	1050	01/11-04/22	M
ART		209	20238	DANC	225	001	1.000	Modern Dance II	Legg	20	8	TR	1230	1350	01/11-04/22	M
ART		208	20800	DANC	305	001	3.000	Dance: History/Social Context	Legg	20	5	TR	1400	1520	01/11-04/22	M
ART		209	20887	DANC	310	001	3.000	Choreography	Legg	20	6	M	1800	1850	01/11-04/22	M
ART		209	20888	DANC	310	00A	0.000	Choreography	Legg	20	6	M	1900	2050	01/11-04/22	M
ART		209	20888	DANC	310	00A	0.000	Choreography	Legg	20	6	W	1800	1950	01/11-04/22	M
			20801	DANC	401	001	4.000	Senior Thesis	Legg	1	4				01/11-04/22	M
CAS		311	20246	ECON	201	001	3.000	Principles Macroeconomics	Boston	40	21	MWF	1000	1050	01/11-04/22	M
CAS		123	20247	ECON	201	002	3.000	Principles Macroeconomics	Boston	40	24	TR	1530	1650	01/11-04/22	M
CAS		311	20248	ECON	202	001	3.000	Principles Microeconomics	Boston	40	28	TR	1100	1220	01/11-04/22	M
CRW		305	20751	ECON	302	001	4.000	Managerial Economics	Boston	30	27	MTWR	1300	1350	01/11-04/22	M
ONLINE	COURSE		20752	ECON	408	00N	3.000	International Economics	Wilhelms	20	16				01/11-04/22	O
CAS		102	20869	EDSE	401	001	3.000	Issue/Trends Imp Lrn Dis/Sp Ed	Chaput	24	5	TR	930	1050	01/11-04/22	M
CAS		102	20870	EDSE	404	001	4.000	Inst/Tech: Preschool to Adult	Chaput	24	5	MW	1200	1350	01/11-04/22	M
CAS		102	20728	EDUC	301	001	3.000	Educ Psych & Learning Theory	Chaput	24	10	TR	800	920	01/11-04/22	M
CAS		102	20729	EDUC	410	001	3.000	Corrective Reading Classroom	Yang	10	7	M	1730	2020	01/11-04/22	M
CAS		102	20730	EDUC	415	001	2.000	General Instructional Methods	Light	20	8	W	1000	1050	01/11-04/22	M
CAS		102	20912	EDUC	415	00A	0.000	General Instructional Methods	Light	20	8	M	1000	1150	01/11-04/22	M
CAS		102	20731	EDUC	420	001	2.000	Math Methods Elem Teachers	Gregory	24	7	W	800	950	01/11-04/22	M
CAS		102	20871	EDUC	421	001	2.000	Science Methods Elem Teachers	Light	24	8	R	1400	1550	01/11-04/22	M
CAS		102	20732	EDUC	423	001	2.000	Art Methods-Classroom Teachers	Light	20	13	M	800	950	01/11-04/22	M
CAS		108	20872	EDUC	440	001	3.000	Reading in the Content Area	Yang	24	3	W	1700	1950	01/11-04/22	M
			20945	EDUC	452	001	3.000	Dir St Math Meth Sec Teachers	Gregory	1	1				01/11-04/22	M
			20946	EDUC	455	001	3.000	Dir St Comp Sci Meth Sec Teach	Gregory	1	1				01/11-04/22	M
CAS		102	20737	EDUC	460	001	2.000	Classroom Management	Chaput	20	8	T	1400	1550	01/11-04/22	M
CAS		102	20738	EDUC	480	001	2.000	Directed Teaching Seminar	Light	20	2	R	1800	2000	01/11-04/22	O
CAS		102	20738	EDUC	480	001	2.000	Directed Teaching Seminar	Light	20	2	R	1800	2000	01/11-04/22	O
CAS		102	20738	EDUC	480	001	2.000	Directed Teaching Seminar	Light	20	2	R	1800	2000	01/11-04/22	O
CAS		102	20738	EDUC	480	001	2.000	Directed Teaching Seminar	Light	20	2	R	1800	2000	01/11-04/22	O
CAS		102	20738	EDUC	480	001	2.000	Directed Teaching Seminar	Light	20	2	R	1800	2000	01/11-04/22	O
CAS		102	20738	EDUC	480	001	2.000	Directed Teaching Seminar	Light	20	2	R	1800	2000	01/11-04/22	O
CAS		102	20738	EDUC	480	001	2.000	Directed Teaching Seminar	Light	20	2	R	1800	2000	01/11-04/22	O
			20895	EDUC	490	001	4.000	Research Topics in Education	Davis	5	2				01/11-04/22	M

		20926	EDUC	490	002	2.000	Research Topics in Education	Davis	5	2			01/11-04/22	M		
		20944	EDUC	490	003	3.000	Research Topics in Education	Chaput	3	1			01/11-04/22	M		
		20947	EDUC	490	004	3.000	Research Topics in Education	Davis	5	1			01/11-04/22	M		
		20739	EDUC	492	001	10.000	Directed Teaching	Fiebelkorn	20	2			01/11-04/22	O		
ONLINE	COURSE	20978	EDUC	920	00N	2.000	Special Topics:	Fiebelkorn	5	0			01/11-04/22	O		
CAS		123	20251	EGEE	125	001	4.000	Digital Fundamentals	Weber	24	22	MWF	1400	1450	01/11-04/22	M
CAS		304	20252	EGEE	125	00A	0.000	Digital Fundamentals	Weber	12	13	M	1500	1650	01/11-04/22	M
CAS		304	20254	EGEE	125	00C	0.000	Digital Fundamentals	Weber	12	9	W	1500	1650	01/11-04/22	M
CAS		108	20255	EGEE	210	001	4.000	Circuit Analysis	McDonald	12	11	MWF	1000	1050	01/11-04/22	M
CAS		306	20256	EGEE	210	00A	0.000	Circuit Analysis	McDonald	12	11	W	1400	1650	01/11-04/22	M
CAS		107	20257	EGEE	210	00R	0.000	Circuit Analysis	McDonald	12	11	T	1800	1850	01/11-04/22	M
CAS		107	20852	EGEE	355	001	4.000	Microcontroller Systems	Jones	24	25	MWF	1100	1150	01/11-04/22	M
CAS		304	20853	EGEE	355	00A	0.000	Microcontroller Systems	Jones	12	12	R	1400	1650	01/11-04/22	M
CAS		304	20854	EGEE	355	00B	0.000	Microcontroller Systems	Jones	12	13	F	1400	1650	01/11-04/22	M
CAS		310	20858	EGEE	411	001	3.000	Pwer Distribution/Transmission	Baumann	30	6	MWF	1000	1050	01/11-04/22	M
CAS		310	20859	EGEE	475	001	4.000	Power Electronics	Moening	12	6	MWF	800	850	01/11-04/22	M
CAS		309	20860	EGEE	475	00A	0.000	Power Electronics	Moening	12	6	W	1400	1650	01/11-04/22	M
CAS		310	20860	EGEE	475	00A	0.000	Power Electronics	Moening	12	6	W	1400	1650	01/11-04/22	M
CAS		310	20280	EGEM	220	001	3.000	Statics	Sinha	30	13	MWF	1200	1250	01/11-04/22	M
CAS		310	20281	EGEM	220	00R	0.000	Statics	Sinha	30	13	T	1200	1250	01/11-04/22	M
CAS	209-B		20265	EGET	310	001	4.000	Electronic Manufacturing Proc	Becks	12	12	T	1800	2100	01/11-04/22	M
CAS		306	20265	EGET	310	001	4.000	Electronic Manufacturing Proc	Becks	12	12	T	1800	2100	01/11-04/22	M
CAS	209-B		20266	EGET	310	00A	0.000	Electronic Manufacturing Proc	Becks	12	12	R	1800	2100	01/11-04/22	M
CAS		306	20266	EGET	310	00A	0.000	Electronic Manufacturing Proc	Becks	12	12	R	1800	2100	01/11-04/22	M
CAS		212	20501	EGME	110	001	3.000	Manufacturing Processes	Pruitt	30	26	MW	1200	1250	01/11-04/22	M
CAS		120	20502	EGME	110	00A	0.000	Manufacturing Processes	Coullard	10	10	M	1400	1650	01/11-04/22	M
CAS		120	20503	EGME	110	00B	0.000	Manufacturing Processes	Coullard	10	9	T	1400	1650	01/11-04/22	M
CAS		120	20504	EGME	110	00C	0.000	Manufacturing Processes	Coullard	10	7	W	1400	1650	01/11-04/22	M
CAS	209-C		20505	EGME	141	001	3.000	Solid Modeling	Sinha	14	10	TF	1500	1550	01/11-04/22	M
CAS	209-C		20506	EGME	141	00A	0.000	Solid Modeling	Sinha	14	10	TF	1600	1650	01/11-04/22	M
CAS		310	20507	EGME	225	001	3.000	Mechanics of Materials	Sinha	30	20	MWF	1100	1150	01/11-04/22	M
CAS	209-B		20508	EGME	240	001	3.000	Assembly Modeling and GD&T	Leach	20	16	WF	1500	1550	01/11-04/22	M
CAS	209-C		20937	EGME	240	002	3.000	Assembly Modeling and GD&T	Leach	14	12	MW	900	950	01/11-04/22	M
CAS	209-B		20509	EGME	240	00A	0.000	Assembly Modeling and GD&T	Leach	20	16	WF	1600	1720	01/11-04/22	M
CAS	209-C		20938	EGME	240	02B	0.000	Assembly Modeling and GD&T	Leach	14	12	MW	1000	1120	01/11-04/22	M
CAS		212	20510	EGME	275	001	3.000	Engineering Materials	Hildebrand	35	36	MWF	1000	1050	01/11-04/22	M
CAS		105	20511	EGME	276	001	1.000	Strength of Materials Lab	Hildebrand	10	9	W	1400	1650	01/11-04/22	M
CAS	106-A		20511	EGME	276	001	1.000	Strength of Materials Lab	Hildebrand	10	9	W	1400	1650	01/11-04/22	M
CAS		105	20512	EGME	276	002	1.000	Strength of Materials Lab	Sinha	10	9	R	1400	1650	01/11-04/22	M
CAS	106-A		20512	EGME	276	002	1.000	Strength of Materials Lab	Sinha	10	9	R	1400	1650	01/11-04/22	M
CAS		105	20934	EGME	276	003	1.000	Strength of Materials Lab	Sinha	10	9	M	1700	1950	01/11-04/22	M
CAS	106-A		20934	EGME	276	003	1.000	Strength of Materials Lab	Sinha	10	9	M	1700	1950	01/11-04/22	M
CAS		105	20936	EGME	276	004	1.000	Strength of Materials Lab	Hildebrand	10	9	W	1700	1950	01/11-04/22	M
CAS	106-A		20936	EGME	276	004	1.000	Strength of Materials Lab	Hildebrand	10	9	W	1700	1950	01/11-04/22	M
CAS		310	20514	EGME	312	001	3.000	CAM with CNC Applications	Leach	17	17	TR	900	950	01/11-04/22	M
CAS	209-B		20515	EGME	312	00A	0.000	CAM with CNC Applications	Leach	8	8	F	1100	1350	01/11-04/22	M
CAS	209-C		20516	EGME	312	00B	0.000	CAM with CNC Applications	Leach	9	9	R	1400	1650	01/11-04/22	M

CAS		310	20518	EGME	337	001	4.000	Thermodynamics	Mahmud	30	21	MTWR	1300	1350	01/11-04/22	M
CAS		310	20851	EGME	337	00R	0.000	Thermodynamics	Mahmud	30	21	M	1700	1750	01/11-04/22	M
CAS		119	20519	EGME	338	001	3.000	Fluid Mechanics	Mahmud	30	17	MWF	900	950	01/11-04/22	M
CAS		123	20861	EGME	425	001	4.000	Vibrations and Noise Control	Hildebrand	16	8	MWF	1100	1150	01/11-04/22	M
CAS		105	20862	EGME	425	00A	0.000	Vibrations and Noise Control	Hildebrand	16	8	T	1100	1250	01/11-04/22	M
CAS	106-A		20862	EGME	425	00A	0.000	Vibrations and Noise Control	Hildebrand	16	8	T	1100	1250	01/11-04/22	M
CAS	209-C		20464	EGMT	142	001	2.000	Overview Solid Model Technique	Sinha	1	0	TF	1500	1550	01/11-04/22	M
CAS	209-C		20465	EGMT	142	00A	0.000	Overview Solid Model Technique	Sinha	1	0	TF	1600	1650	01/11-04/22	M
AT	CHA		20992	EGNR	102	125	2.000	Concepts History Engineering	Finley	0	0				01/11-04/22	O
AT	CMH		20995	EGNR	102	500	2.000	Concepts History Engineering	Finley	0	5				01/11-04/22	O
CAS		311	20394	EGNR	140	001	2.000	Linear Alg Num Apps Engineers	Mahmud	36	29	F	1200	1250	01/11-04/22	M
CAS	209-B		20395	EGNR	140	00A	0.000	Linear Alg Num Apps Engineers	Mahmud	12	12	TR	930	1050	01/11-04/22	M
CAS	209-B		20396	EGNR	140	00B	0.000	Linear Alg Num Apps Engineers	Mahmud	12	10	TR	1100	1220	01/11-04/22	M
CAS	209-B		20397	EGNR	140	00C	0.000	Linear Alg Num Apps Engineers	Mahmud	12	7	TR	1530	1650	01/11-04/22	M
CAS		304	20398	EGNR	245	001	3.000	Calculus Applications For Tech	McDonald	12	11	MW	1200	1250	01/11-04/22	M
CAS		306	20399	EGNR	245	00A	0.000	Calculus Applications For Tech	McDonald	12	11	R	1100	1250	01/11-04/22	M
			20400	EGNR	250	001	2.000	Cooperative Education	Weber	6	0				01/11-04/22	O
CAS		126	20952	EGNR	260	001	2.000	Engineering Research Methods	Weber	8	4	T	1200	1250	01/11-04/22	M
CAS		126	20953	EGNR	260	00A	0.000	Engineering Research Methods	Weber	8	4	R	1200	1250	01/11-04/22	M
CAS		126	20953	EGNR	260	00A	0.000	Engineering Research Methods	Weber	8	4	T	900	1050	01/11-04/22	M
CAS		310	20403	EGNR	265	001	3.000	"C" Programming	Jones	24	20	MWF	900	950	01/11-04/22	M
CAS	209-B		20404	EGNR	265	00R	0.000	"C" Programming	Jones	24	20	R	1700	1750	01/11-04/22	M
CAS	209-C		20404	EGNR	265	00R	0.000	"C" Programming	Jones	24	20	R	1700	1750	01/11-04/22	M
CAS	209-C		20405	EGNR	340	001	1.000	Numerical Methods Engineers	Baumann	12	13	M	1400	1550	01/11-04/22	M
OFF	CAMPUS		20409	EGNR	450	001	4.000	Cooperative Educ Project I	Weber	6	0				01/11-04/22	O
OFF	CAMPUS		20847	EGNR	451	001	3.000	Cooperative Educ Project II	Weber	6	0				01/11-04/22	O
			20931	EGNR	490	001	1.000	Research Topics in Engineering	Jones	1	1				01/11-04/22	M
			20965	EGNR	490	002	4.000	Research Topics in Engineering	McDonald	8	1				01/11-04/22	M
CAS		310	20411	EGNR	495	001	3.000	Engineering Design Project II	Weber	30	25	T	800	850	01/11-04/22	M
CAS		310	20412	EGNR	495	00A	0.000	Engineering Design Project II	Baumann	5	5	F	1800	2100	01/11-04/22	M
CAS		310	20412	EGNR	495	00A	0.000	Engineering Design Project II	Baumann	5	5	T	1400	1650	01/11-04/22	M
CAS		310	20413	EGNR	495	00B	0.000	Engineering Design Project II	Coullard	5	5	F	1800	2100	01/11-04/22	M
CAS		310	20413	EGNR	495	00B	0.000	Engineering Design Project II	Coullard	5	5	T	1400	1650	01/11-04/22	M
CAS		310	20414	EGNR	495	00C	0.000	Engineering Design Project II	Devaprasad	5	2	F	1800	2100	01/11-04/22	M
CAS		310	20414	EGNR	495	00C	0.000	Engineering Design Project II	Devaprasad	5	2	T	1400	1650	01/11-04/22	M
CAS		310	20415	EGNR	495	00D	0.000	Engineering Design Project II	Hildebrand	5	4	F	1400	1650	01/11-04/22	M
CAS		310	20415	EGNR	495	00D	0.000	Engineering Design Project II	Hildebrand	5	4	T	1400	1650	01/11-04/22	M
CAS		310	20848	EGNR	495	00E	0.000	Engineering Design Project II	King	5	5	F	1800	2100	01/11-04/22	M
CAS		310	20848	EGNR	495	00E	0.000	Engineering Design Project II	King	5	5	T	1400	1650	01/11-04/22	M
CAS		310	20849	EGNR	495	00F	0.000	Engineering Design Project II	McDonald	5	4	F	1800	2100	01/11-04/22	M
CAS		310	20849	EGNR	495	00F	0.000	Engineering Design Project II	McDonald	5	4	T	1400	1650	01/11-04/22	M
CAS		107	20683	EGRS	215	001	2.000	Introduction to Robotics	Smith	16	13	T	830	920	01/11-04/22	M
CAS	209-C		20684	EGRS	215	00A	0.000	Introduction to Robotics	Smith	16	13	M	1600	1750	01/11-04/22	M
CAS	106-A		20685	EGRS	365	001	3.000	Programmable Logic Controllers	Moening	24	23	TR	1000	1050	01/11-04/22	M
CAS	106-A		20686	EGRS	365	00A	0.000	Programmable Logic Controllers	Moening	8	8	M	1400	1650	01/11-04/22	M
CAS	106-A		20687	EGRS	365	00B	0.000	Programmable Logic Controllers	Moening	8	7	T	1400	1650	01/11-04/22	M
CAS	106-A		20688	EGRS	365	00C	0.000	Programmable Logic Controllers	Moening	8	8	F	1400	1650	01/11-04/22	M

CAS		108	20690	EGRS	385	001	4.000	Robotics Engineering	Jones	24	21	MWF	1200	1250	01/11-04/22	M
CAS		125	20691	EGRS	385	00A	0.000	Robotics Engineering	Devaprasad	8	8	M	1400	1650	01/11-04/22	M
CAS	209-B		20691	EGRS	385	00A	0.000	Robotics Engineering	Devaprasad	8	8	M	1400	1650	01/11-04/22	M
CAS		125	20692	EGRS	385	00B	0.000	Robotics Engineering	Becks	8	6	W	1800	2100	01/11-04/22	M
CAS	209-B		20692	EGRS	385	00B	0.000	Robotics Engineering	Becks	8	6	W	1800	2100	01/11-04/22	M
CAS		125	20948	EGRS	385	00C	0.000	Robotics Engineering	Becks	8	7	M	1800	2100	01/11-04/22	M
CAS	209-B		20948	EGRS	385	00C	0.000	Robotics Engineering	Becks	8	7	M	1800	2100	01/11-04/22	M
CAS		108	20855	EGRS	435	001	3.000	Automated Manufacturing System	Devaprasad	16	12	TR	1300	1350	01/11-04/22	M
CAS		125	20856	EGRS	435	00A	0.000	Automated Manufacturing System	Devaprasad	8	4	W	1400	1650	01/11-04/22	M
CAS		125	20857	EGRS	435	00B	0.000	Automated Manufacturing System	Devaprasad	8	8	R	1400	1650	01/11-04/22	M
NOR		206	20267	EMED	189	001	3.000	Medical First Responder	Mohar	40	33	M	1600	1750	01/11-04/22	M
NOR		206	20268	EMED	189	00A	0.000	Medical First Responder	Mohar	14	12	W	1600	1850	01/11-04/22	M
NOR		206	20268	EMED	189	00A	0.000	Medical First Responder	Young	14	12	W	1600	1850	01/11-04/22	M
NOR		206	20974	EMED	189	00B	0.000	Medical First Responder	Oliver	14	11	W	1600	1850	01/11-04/22	M
NOR		206	20975	EMED	189	00C	0.000	Medical First Responder	Sheppard	13	10	W	1600	1850	01/11-04/22	M
NOR		206	20269	EMED	191	001	4.000	Prehsp Em Care/Crisis Intv II	Mohar	30	13	M	1300	1450	01/11-04/22	M
NOR		214	20270	EMED	191	00A	0.000	Prehsp Em Care/Crisis Intv II	Sheppard	30	13	T	1400	1650	01/11-04/22	M
NOR		214	20270	EMED	191	00A	0.000	Prehsp Em Care/Crisis Intv II	Young	30	13	T	1400	1650	01/11-04/22	M
NOR		214	20270	EMED	191	00A	0.000	Prehsp Em Care/Crisis Intv II	Mohar	30	13	T	1400	1650	01/11-04/22	M
NOR		214	20271	EMED	212	001	2.000	Emergency Pharmacology II	Brandenburg	20	13	M	1300	1450	01/11-04/22	M
NOR		214	20272	EMED	252	001	4.000	Advanced Emergency Care II	Brandenburg	20	13	W	1200	1550	01/11-04/22	M
NOR		214	20273	EMED	262	001	2.000	Emergency Cardiology II	Brandenburg	20	13	M	1000	1150	01/11-04/22	M
NOR		214	20274	EMED	271	001	2.000	Prehosp Emergency Pediatrics	Brandenburg	20	13	W	900	1050	01/11-04/22	M
NOR		214	20275	EMED	285	001	3.000	Advanced Skills/Situations II	Brandenburg	20	13	M	900	950	01/11-04/22	M
NOR		214	20276	EMED	285	00A	0.000	Advanced Skills/Situations II	Brandenburg	10	7	M	1500	1750	01/11-04/22	M
NOR		214	20976	EMED	285	00B	0.000	Advanced Skills/Situations II	Sheppard	10	6	M	1500	1750	01/11-04/22	M
NOR		214	20976	EMED	285	00B	0.000	Advanced Skills/Situations II	Young	10	6	M	1500	1750	01/11-04/22	M
NOR		214	20277	EMED	286	001	2.000	Paramedic Operations	LaBonte	20	13	R	900	950	01/11-04/22	M
NOR		214	20278	EMED	286	00A	0.000	Paramedic Operations	Mohar	10	7	R	1000	1250	01/11-04/22	M
NOR		214	20278	EMED	286	00A	0.000	Paramedic Operations	LaBonte	10	7	R	1000	1250	01/11-04/22	M
NOR		214	20987	EMED	286	00B	0.000	Paramedic Operations	Brandenburg	10	6	R	1000	1250	01/11-04/22	M
NOR			20279	EMED	298	001	2.000	Paramedic Clinical II	LaBonte	20	13				01/11-04/22	M
CAS		108	20282	ENGL	91	001	3.000	Prep College Writing	Disney	16	14	MWF	1500	1550	01/11-04/22	M
ART		208	20283	ENGL	110	001	3.000	First-Year Composition I	Barbour	24	23	TR	930	1050	01/11-04/22	M
CAS		103	20284	ENGL	110	002	3.000	First-Year Composition I	Barbour	24	20	MWF	1200	1250	01/11-04/22	M
ART		208	20285	ENGL	110	003	3.000	First-Year Composition I	Barbour	24	21	MWF	1000	1050	01/11-04/22	M
CAS		311	20287	ENGL	110	005	3.000	First-Year Composition I	Rose	24	23	MWF	1300	1350	01/11-04/22	M
ART		217	20288	ENGL	111	001	3.000	First-Year Composition II	McMyne	24	24	MWF	900	950	01/11-04/22	M
ART		208	20289	ENGL	111	002	3.000	First-Year Composition II	McMyne	24	24	MWF	800	850	01/11-04/22	M
ART		217	20290	ENGL	111	003	3.000	First-Year Composition II	Barbour	24	24	TR	1230	1350	01/11-04/22	M
CRW		303	20291	ENGL	111	004	3.000	First-Year Composition II	Repka	24	23	TR	930	1050	01/11-04/22	M
CAS		123	20292	ENGL	111	005	3.000	First-Year Composition II	Rose	24	23	TR	1400	1520	01/11-04/22	M
ART		217	20293	ENGL	111	006	3.000	First-Year Composition II	Disney	24	22	MWF	1000	1050	01/11-04/22	M
CAS		212	20294	ENGL	111	007	3.000	First-Year Composition II	Barbour	24	25	TR	1400	1520	01/11-04/22	M
CAS		103	20295	ENGL	111	008	3.000	First-Year Composition II	Been	24	13	R	1930	2100	01/11-04/22	M
CAS		123	20295	ENGL	111	008	3.000	First-Year Composition II	Been	24	13	R	1800	1920	01/11-04/22	M
ART		217	20296	ENGL	111	009	3.000	First-Year Composition II	Rose	24	23	TR	1530	1650	01/11-04/22	M

AT	DETOUR	20994	ENGL	111	275	3.000	First-Year Composition II	Fiebelkorn	11	22				01/11-04/22	O	
ART		217	20803	ENGL	111	OH2	3.000	First-Year Composition II	Swedene	24	9	MWF	1400	1450	01/11-04/22	M
ART		217	20803	ENGL	111	OH2	3.000	First-Year Composition II	Barbour	24	9	MWF	1400	1450	01/11-04/22	M
ART		217	20298	ENGL	111	OL1	3.000	First-Year Composition II	Disney	24	14	MWF	1300	1350	01/11-04/22	M
CAS		103	20299	ENGL	111	OS1	3.000	First-Year Composition II	Been	24	15	MWF	900	950	01/11-04/22	M
CAS		123	20301	ENGL	180	001	3.000	Intro to Literary Studies	Been	24	17	TR	1230	1350	01/11-04/22	M
CAS		107	20804	ENGL	180	002	3.000	Intro to Literary Studies	Barbour	24	13	MWF	1400	1450	01/11-04/22	M
CAS		108	20302	ENGL	221	001	3.000	Intro to Creative Writing	Repka	24	10	MWF	1100	1150	01/11-04/22	M
CAS		108	20303	ENGL	223	001	3.000	Creative Writing II	McMyne	24	6	M	1730	2030	01/11-04/22	M
LBR		251	20304	ENGL	232	001	3.000	American Literature II	Barbour	24	8	W	1800	2100	01/11-04/22	M
ART		208	20807	ENGL	236	001	3.000	Literature and Culture	Been	24	10	TR	1530	1650	01/11-04/22	M
ART		208	20808	ENGL	302	001	3.000	Poetry Writing	Rose	20	8	TR	1800	1920	01/11-04/22	M
LBR		321	20949	ENGL	303	001	3.000	Performance Writing	McMyne	2	2	F	1400	1650	01/11-04/22	M
CAS		211	20306	ENGL	320	001	3.000	Responding to Writing	McMyne	24	7	MWF	1200	1250	01/11-04/22	M
			20810	ENGL	399	001	1.000	Publishing Internship	Repka	1	1				01/11-04/22	O
			20812	ENGL	399	003	2.000	Publishing Internship	Rose	5	1				01/11-04/22	O
			20813	ENGL	399	004	2.000	Publishing Internship	McMyne	5	2				01/11-04/22	O
			20921	ENGL	450	001	3.000	Directed Individual Study	Repka	5	1				01/11-04/22	O
			20950	ENGL	450	002	3.000	Directed Individual Study	Barbour	1	1				01/11-04/22	O
			20313	ENGL	480	001	3.000	Creative Writing Portfolio I	Repka	1	1				01/11-04/22	O
			20971	ENGL	480	003	3.000	Creative Writing Portfolio I	McMyne	1	1				01/11-04/22	O
			20814	ENGL	482	001	3.000	Creative Writing Portfolio II	McMyne	1	1				01/11-04/22	O
			20966	ENGL	482	002	3.000	Creative Writing Portfolio II	Barbour	1	1				01/11-04/22	O
CRW		205	20320	EVRN	131	001	3.000	Introduction to GIS and GPS	Santoro	48	44	TR	1230	1320	01/11-04/22	M
CRW		107	20321	EVRN	131	00A	0.000	Introduction to GIS and GPS	Santoro	16	15	M	1400	1550	01/11-04/22	M
CRW		107	20322	EVRN	131	00B	0.000	Introduction to GIS and GPS	Santoro	16	14	R	1000	1150	01/11-04/22	M
CRW		107	20323	EVRN	131	00C	0.000	Introduction to GIS and GPS	Santoro	16	15	W	1400	1550	01/11-04/22	M
CRW		304	20324	EVRN	231	001	2.000	Intermediate GIS	McCready	14	15	M	1700	1750	01/11-04/22	M
CRW		107	20325	EVRN	231	00A	0.000	Intermediate GIS	McCready	14	15	M	1800	2100	01/11-04/22	M
CRW		109	20796	EVRN	313	001	3.000	Solid and Hazardous Waste	Kelly	30	12	MWF	900	950	01/11-04/22	M
CRW		107	20794	EVRN	355	001	4.000	GIS Programming & Applications	Santoro	15	11	T	1800	2100	01/11-04/22	M
CRW		107	20795	EVRN	355	00A	0.000	GIS Programming & Applications	Santoro	15	11	R	1800	2100	01/11-04/22	M
CRW		207	20328	EVRN	395	001	1.000	Junior Seminar	Kelly	36	1	F	1200	1250	01/11-04/22	M
			20329	EVRN	495	001	2.000	Senior Project	Heth	5	0				01/11-04/22	O
			20330	EVRN	495	002	2.000	Senior Project	Iretski	5	0				01/11-04/22	O
			20331	EVRN	495	003	2.000	Senior Project	Johnson	5	0				01/11-04/22	O
			20332	EVRN	495	004	2.000	Senior Project	Kelly	5	0				01/11-04/22	O
			20333	EVRN	495	005	2.000	Senior Project	Mosey	5	0				01/11-04/22	O
			20334	EVRN	495	006	2.000	Senior Project	Munoz-Hernandez	5	0				01/11-04/22	O
			20335	EVRN	495	007	2.000	Senior Project	Wright	5	0				01/11-04/22	O
			20336	EVRN	495	008	2.000	Senior Project	Werner	5	0				01/11-04/22	O
CRW		304	20337	EVRN	499	001	1.000	Senior Seminar	Heth	20	1	F	1200	1250	01/11-04/22	M
NOR		202	20338	EXER	105	001	3.000	Program Dev & Leadership	Pusch	15	8	MWF	1100	1150	01/11-04/22	M
NOR		213	20339	EXER	140	001	3.000	Health and Fitness	Susi	24	17	TR	930	1050	01/11-04/22	M
NOR		206	20340	EXER	141	001	3.000	Introduction to Movement	Quimette	30	16	TR	1100	1220	01/11-04/22	M
NOR		206	20341	EXER	230	001	3.000	Ath Injury Illness Prevention	Quimette	20	14	MWF	1000	1050	01/11-04/22	M
NOR		213	20342	EXER	248	001	3.000	Psy Sport Performance/Coaching	Susi	20	16	MW	1700	1820	01/11-04/22	M

NOR		213	20840	EXER	262	001	3.000	Exercise Physiology I	Susi	24	12	TR	1400	1520	01/11-04/22	M
NOR		213	20344	EXER	268	001	2.000	Fitness Eval I - Field Tests	Statt	13	13	M	1200	1250	01/11-04/22	M
NOR		213	20345	EXER	268	00A	0.000	Fitness Eval I - Field Tests	Statt	13	13	M	1300	1450	01/11-04/22	M
NOR		202	20346	EXER	275	001	2.000	Nutrition Sport Exercise Perf	Statt	24	10	W	1700	1900	01/11-04/22	M
			20347	EXER	295	001	1.000	Practicum	Statt	10	3				01/11-04/22	O
			20348	EXER	295	002	1.000	Practicum	Susi	10	4				01/11-04/22	O
			20349	EXER	295	003	2.000	Practicum	Statt	10	3				01/11-04/22	O
			20350	EXER	295	004	2.000	Practicum	Susi	10	5				01/11-04/22	O
NOR		213	20922	EXER	300	001	3.000	Special Topics:	Constantino	10	0	TR	1100	1220	01/11-04/22	M
NOR	120-A		20351	EXER	302	001	2.000	Ath Training Clinical Exp II	Quimette	10	6	T	900	1050	01/11-04/22	M
NOR		206	20352	EXER	340	001	3.000	Therapeutic Modalities Ath Trn	Quimette	10	10	MW	1100	1150	01/11-04/22	M
NOR	120-A		20353	EXER	340	00A	0.000	Therapeutic Modalities Ath Trn	Quimette	10	10	R	900	1050	01/11-04/22	M
NOR		206	20354	EXER	344	001	3.000	Kinesiology	Susi	30	26	T	1800	2100	01/11-04/22	M
NOR		213	20841	EXER	348	001	3.000	Fitness Eval II Lab Procedures	Statt	10	7	M	900	1050	01/11-04/22	M
NOR		213	20842	EXER	348	00A	0.000	Fitness Eval II Lab Procedures	Statt	10	7	W	900	1050	01/11-04/22	M
NOR	120-A		20355	EXER	349	001	3.000	Orthopedic Assessment	Susi	20	6	MWF	1000	1050	01/11-04/22	M
NOR		213	20356	EXER	358	001	3.000	Res Methods Exercise Science	Susi	20	9	MW	1500	1620	01/11-04/22	M
NOR		213	20357	EXER	362	001	3.000	Exercise Physiology II	Susi	20	16	TR	1230	1350	01/11-04/22	M
			20358	EXER	390	001	1.000	Rec Leader Apprenticeship	Susi	10	10				01/11-04/22	O
			20359	EXER	390	002	1.000	Rec Leader Apprenticeship	Statt	10	4				01/11-04/22	O
			20929	EXER	390	003	1.000	Rec Leader Apprenticeship	Susi	1	1				01/11-04/22	O
NOR	120-A		20360	EXER	402	001	2.000	Ath Training Clinical Exp IV	Susi	10	3	W	800	850	01/11-04/22	M
NOR	120-A		20360	EXER	402	001	2.000	Ath Training Clinical Exp IV	Susi	10	3	W	1100	1150	01/11-04/22	M
NOR		213	20843	EXER	446	001	3.000	Exer Presc Test Spec Populatns	Statt	20	5	TR	1530	1650	01/11-04/22	M
NOR		202	20364	EXER	481	001	1.000	Prof Development Seminar	Pusch	15	9	M	1200	1250	01/11-04/22	M
OFF	CAMPUS		20365	EXER	492	001	6.000	Internship	Statt	10	1				01/11-04/22	O
OFF	CAMPUS		20366	EXER	492	002	6.000	Internship	Susi	10	2				01/11-04/22	O
OFF	CAMPUS		20367	EXER	496	001	1.000	Selected Research Topics	Statt	10	4				01/11-04/22	O
OFF	CAMPUS		20368	EXER	496	002	1.000	Selected Research Topics	Susi	10	4				01/11-04/22	O
OFF	CAMPUS		20369	EXER	496	003	2.000	Selected Research Topics	Statt	10	2				01/11-04/22	O
OFF	CAMPUS		20370	EXER	496	004	2.000	Selected Research Topics	Susi	10	7				01/11-04/22	O
OFF	CAMPUS		20371	EXER	496	005	3.000	Selected Research Topics	Statt	10	1				01/11-04/22	O
OFF	CAMPUS		20372	EXER	496	006	3.000	Selected Research Topics	Susi	10	0				01/11-04/22	O
CAS		311	20373	FINC	245	001	3.000	Principles of Finance	Boston	30	12	MWF	900	950	01/11-04/22	M
CRW		303	20374	FINC	341	001	4.000	Managerial Finance	Root	40	26	MTWR	1300	1350	01/11-04/22	M
CAS		311	20753	FINC	446	001	4.000	Financial Analysis and Policy	Root	30	17	MW	1800	2000	01/11-04/22	M
			20889	FINE	405	001	3.000	Independent Project	Legg	1	3				01/11-04/22	M
			20890	FINE	405	002	3.000	Independent Project	Eddy	1	4				01/11-04/22	M
			20972	FINE	405	003	3.000	Independent Project	Morrison	3	1				01/11-04/22	M
CRW		204	20376	FIRE	102	001	3.000	Wildland/Rural Fire Control	Mauze	80	53	MWF	900	950	01/11-04/22	M
LBR		278	20377	FIRE	111	001	3.000	Hazardous Materials	Vaught	75	62	MWF	1200	1250	01/11-04/22	M
LBR		278	20377	FIRE	111	001	3.000	Hazardous Materials	Schaefer	75	62	MWF	1200	1250	01/11-04/22	M
NOR	SAC		20378	FIRE	197	001	1.000	Physical Fitness Public Safety	Woolcocks	20	6	MWF	630	720	01/11-04/22	M
NOR		202	20379	FIRE	201	001	3.000	Fire Protection Const Concepts	Mauze	40	39	TR	1230	1350	01/11-04/22	M
NOR		202	20379	FIRE	201	001	3.000	Fire Protection Const Concepts	Schaefer	40	39	TR	1230	1350	01/11-04/22	M
ONLINE	COURSE		20830	FIRE	201	00N	3.000	Fire Protection Const Concepts	Radu	20	11				01/11-04/22	O
NOR		206	20380	FIRE	211	001	3.000	Tactics & Strategy	Mauze	40	30	TR	800	920	01/11-04/22	M

NOR	GREG	20382	FIRE	220	001	4.000	Fire Science Certification	Vaught	15	10	TR	930	1050	01/11-04/22	M	
NOR	GREG	20383	FIRE	220	00A	0.000	Fire Science Certification	Vaught	15	10	TR	1100	1220	01/11-04/22	M	
NOR		212	20384	FIRE	309	001	3.000	Fire-Related Human Behavior	Mauze	30	11	MWF	1400	1450	01/11-04/22	M
NOR		212	20385	FIRE	312	001	4.000	Hazardous Materials Management	Mauze	15	15	TR	930	1050	01/11-04/22	M
NOR		212	20386	FIRE	312	00A	0.000	Hazardous Materials Management	Mauze	15	15	TR	1100	1220	01/11-04/22	M
NOR		212	20387	FIRE	315	001	3.000	Company Level Supervision/Mgmt	Schaefer	35	15	MWF	1300	1350	01/11-04/22	M
NOR		212	20387	FIRE	315	001	3.000	Company Level Supervision/Mgmt	Mohar	35	15	MWF	1300	1350	01/11-04/22	M
ONLINE	COURSE		20831	FIRE	315	00N	3.000	Company Level Supervision/Mgmt	Radu	20	12				01/11-04/22	O
LBR		251	20973	FIRE	401	001	3.000	Senior Seminar	Gordier	20	15	M	1400	1450	01/11-04/22	M
OFF	CAMPUS		20390	FIRE	403	001	3.000	Fire Science Internship	Mauze	10	10				01/11-04/22	O
OFF	CAMPUS		20391	FIRE	403	002	6.000	Fire Science Internship	Mauze	10	2				01/11-04/22	O
OFF	CAMPUS		20392	FIRE	403	003	9.000	Fire Science Internship	Mauze	5	1				01/11-04/22	O
CAS		107	20393	FREN	152	001	4.000	First Year French II	Burkitt	15	8	MW	1600	1750	01/11-04/22	M
CRW		339	20789	GEOG	108	001	4.000	Phy Geog: Meteorology/Climatol	Spencer	20	12	TR	800	920	01/11-04/22	M
CRW		336	20790	GEOG	108	00A	0.000	Phy Geog: Meteorology/Climatol	Spencer	20	12	W	1400	1550	01/11-04/22	M
CRW		207	20416	GEOG	306	001	3.000	Cultural Geography	Moody	50	21	TR	1530	1650	01/11-04/22	M
CRW		336	20417	GEOL	122	001	4.000	Physical/Historical Geology II	Mattheus	24	26	MWF	1000	1050	01/11-04/22	M
CRW		336	20418	GEOL	122	00A	0.000	Physical/Historical Geology II	Mattheus	24	13	M	1300	1450	01/11-04/22	M
CRW		336	20989	GEOL	122	00B	0.000	Physical/Historical Geology II	Mattheus	13	13	M	1500	1650	01/11-04/22	M
CRW		339	20419	GEOL	223	001	5.000	Mineralogy and Petrology	Kelso	20	15	MWF	900	950	01/11-04/22	M
CRW		339	20420	GEOL	223	00A	0.000	Mineralogy and Petrology	Kelso	20	15	TR	1400	1650	01/11-04/22	M
CRW		339	20784	GEOL	318	001	5.000	Tectonic Systems	Kelso	20	13	MWF	1000	1050	01/11-04/22	M
CRW		339	20785	GEOL	318	00A	0.000	Tectonic Systems	Kelso	20	13	M	1400	1650	01/11-04/22	M
CRW		343	20421	GEOL	411	001	4.000	Hydrologic Sys: Sur/Grd Water	Myre	18	12	MWF	900	950	01/11-04/22	M
CRW		343	20422	GEOL	411	00A	0.000	Hydrologic Sys: Sur/Grd Water	Myre	18	12	W	1400	1650	01/11-04/22	M
CRW		339	20786	GEOL	450	001	2.000	Geology Seminar I	Mattheus	20	15	M	1200	1250	01/11-04/22	M
CRW		343	20787	GEOL	450	00A	0.000	Geology Seminar I	Mattheus	20	15	R	1400	1650	01/11-04/22	M
OFF	CAMPUS		20427	GEOL	490	001	1.000	Research Topics in Geology	Kelso	5	1				01/11-04/22	O
OFF	CAMPUS		20428	GEOL	490	002	1.000	Research Topics in Geology	Spencer	5	2				01/11-04/22	O
OFF	CAMPUS		20429	GEOL	490	003	1.000	Research Topics in Geology	Mattheus	5	2				01/11-04/22	O
OFF	CAMPUS		20788	GEOL	490	004	1.000	Research Topics in Geology	Lindquist	5	1				01/11-04/22	O
LBR		278	20440	HIST	102	001	4.000	History World Civilization II	Moody	50	20	TR	1800	2000	01/11-04/22	M
CRW		305	20441	HIST	132	001	4.000	United States History II	Bolen	45	36	MTWR	1100	1150	01/11-04/22	M
CRW		305	20441	HIST	132	001	4.000	United States History II	Schaefer	45	36	MTWR	1100	1150	01/11-04/22	M
CRW		303	20905	HIST	315	001	4.000	Europe Napoleon World War I	Bolen	20	13	MTWR	1200	1250	01/11-04/22	M
LBR		251	20442	HIST	321	001	2.000	History of Michigan	Schaefer	30	18	W	1600	1750	01/11-04/22	M
LBR		251	20443	HIST	497	001	2.000	Senior Seminar in History	Bolen	25	3	M	1600	1750	01/11-04/22	M
CRW		207	20430	HLTH	101	001	2.000	Intro to Medical Terminology	Beckham	40	13	W	1400	1550	01/11-04/22	M
CRW		303	20431	HLTH	104	001	3.000	Nutrition for Early Childhood	Gordon	30	16	T	1800	2100	01/11-04/22	M
CRW		108	20432	HLTH	208	001	3.000	Principles of Human Nutrition	Gordon	40	22	W	1500	1650	01/11-04/22	M
CRW		302	20432	HLTH	208	001	3.000	Principles of Human Nutrition	Gordon	40	22	F	1200	1250	01/11-04/22	M
CRW		302	20433	HLTH	209	001	3.000	Pharmacology	Butcher	40	23	T	1400	1550	01/11-04/22	M
CRW		306	20433	HLTH	209	001	3.000	Pharmacology	Butcher	40	23	W	1400	1450	01/11-04/22	M
CRW		302	20435	HLTH	232	001	3.000	Pathophysiology	Berchem	40	24	M	1100	1250	01/11-04/22	M
CRW		302	20435	HLTH	232	001	3.000	Pathophysiology	Berchem	40	24	T	1300	1350	01/11-04/22	M
CRW		302	20436	HLTH	235	001	2.000	Healthcare Informatics	Reynolds-Keegan	30	24	W	1600	1750	01/11-04/22	M
CRW		302	20437	HLTH	328	001	3.000	Multicultural Appr Health Care	Butcher	35	31	W	1800	2000	01/11-04/22	M

CRW		305	20438	HLTH	329	001	2.000	Women's Health Issues	Kellan	35	6	M	1600	1750	01/11-04/22	M
CRW		108	20439	HLTH	452	001	3.000	Contemporary Issues Nutrition	Gordon	15	4	W	1800	2100	01/11-04/22	M
			20911	HLTH	490	001	2.000	Independent Study in Health	Gordon	3	2				01/11-04/22	O
CAS		107	20897	HONR	101	001	1.000	Honors First-Year Seminar	Terwilliger	15	10	M	1500	1550	01/11-04/22	M
CAS		107	20897	HONR	101	001	1.000	Honors First-Year Seminar	Swedene	15	10	M	1500	1550	01/11-04/22	M
CAS		303	20897	HONR	101	001	1.000	Honors First-Year Seminar	Terwilliger	15	10	M	1500	1550	01/11-04/22	M
CAS		303	20897	HONR	101	001	1.000	Honors First-Year Seminar	Swedene	15	10	M	1500	1550	01/11-04/22	M
			20445	HONR	401	001	1.000	Honors Thesis	Light	10	1				01/11-04/22	M
			20759	HONR	401	002	2.000	Honors Thesis	Mosey	10	1				01/11-04/22	M
			20760	HONR	401	003	3.000	Honors Thesis	Swedene	10	2				01/11-04/22	M
			20761	HONR	401	004	1.000	Honors Thesis	Olson-Pupek	1	1				01/11-04/22	M
			20761	HONR	401	004	1.000	Honors Thesis	Searight	1	1				01/11-04/22	M
			20981	HONR	401	005	1.000	Honors Thesis	Swedene	1	1				01/11-04/22	M
			20982	HONR	401	006	2.000	Honors Thesis	Barbour	1	1				01/11-04/22	M
			20983	HONR	401	007	2.000	Honors Thesis	Swedene	1	0				01/11-04/22	M
LBR		278	20448	HUMN	251	001	4.000	Humanities I	Moody	100	101	MTWR	1000	1050	01/11-04/22	M
LBR		203	20447	HUMN	251	002	4.000	Humanities I	Swedene	60	61	MW	1400	1550	01/11-04/22	M
LBR		203	20450	HUMN	252	001	4.000	Humanities II	Swedene	75	49	TR	1400	1550	01/11-04/22	M
LBR		278	20451	HUMN	255	001	4.000	World Mythology	Moody	165	165	MW	1800	2000	01/11-04/22	M
ONLINE	COURSE		20452	INTB	486	00N	3.000	International Marketing	Philips	20	25				01/11-04/22	O
CRW		109	20899	INTD	200	001	2.000	Special Topics:	Roose	12	7	TR	930	950	01/11-04/22	M
CRW		109	20900	INTD	200	00A	0.000	Special Topics:	Roose	12	7	TR	1000	1050	01/11-04/22	M
			20957	INTD	490	001	3.000	Senior Directed Study	Shay	1	1				01/11-04/22	M
			20980	INTD	490	002	4.000	Senior Directed Study	Rose	2	2				01/11-04/22	M
			20958	INTD	490	790	3.000	Senior Directed Study	Hovey	1	1				01/11-04/22	P
CAS		211	20816	JOUR	211	001	3.000	Newswriting	Repka	24	6	TR	1400	1520	01/11-04/22	M
CRW		304	20837	LAWS	202	001	3.000	Legal Writing and Analysis	Andary	20	7	MWF	1000	1050	01/11-04/22	M
CAS		205	20471	MATH	87	001	3.000	Pre-Algebra	Gregory	40	26	MWF	1100	1150	01/11-04/22	M
CAS		311	20932	MATH	87	1SL	0.000	Pre-Algebra	TBA	20	0	W	1200	1250	01/11-04/22	M
CAS		210	20473	MATH	88	001	3.000	Beginning Algebra	Telford	40	39	MWF	1100	1150	01/11-04/22	M
CAS		210	20474	MATH	88	002	3.000	Beginning Algebra	O'Connor	40	29	MW	1800	1920	01/11-04/22	M
CRW		303	20940	MATH	88	1SL	0.000	Beginning Algebra	TBA	20	0	T	1400	1450	01/11-04/22	M
CAS		119	20933	MATH	88	2SL	0.000	Beginning Algebra	TBA	20	0	T	1700	1750	01/11-04/22	M
CAS		123	20475	MATH	102	001	4.000	Intermediate Algebra	Ngunkeng	35	22	MTWR	1000	1050	01/11-04/22	M
CAS		119	20476	MATH	102	002	4.000	Intermediate Algebra	Gregory	35	29	MTRF	1400	1450	01/11-04/22	M
CAS		119	20477	MATH	102	003	4.000	Intermediate Algebra	Ngunkeng	35	24	MW	1800	2000	01/11-04/22	M
CRW		302	20943	MATH	102	2SL	0.000	Intermediate Algebra	TBA	20	1	R	1300	1350	01/11-04/22	M
CAS		119	20942	MATH	102	3SL	0.000	Intermediate Algebra	TBA	20	1	M	1500	1550	01/11-04/22	M
CAS		119	20478	MATH	104	001	4.000	Geometry/Measurement Elem Teac	Gregory	25	6	TR	930	1050	01/11-04/22	M
CAS		119	20479	MATH	104	00A	0.000	Geometry/Measurement Elem Teac	Gregory	25	6	MF	1000	1050	01/11-04/22	M
CAS		119	20480	MATH	110	001	3.000	Explorations in Mathematics	Snyder	36	19	TR	1230	1350	01/11-04/22	M
LBR		203	20482	MATH	111	001	3.000	College Algebra	Muller	36	34	TR	1100	1220	01/11-04/22	M
CAS		119	20483	MATH	111	002	3.000	College Algebra	Muller	36	30	TR	800	920	01/11-04/22	M
CAS		119	20484	MATH	111	003	3.000	College Algebra	Snyder	36	27	MWF	1300	1350	01/11-04/22	M
CAS		210	20486	MATH	112	001	4.000	Calculus Business/Life Science	Voutsadakis	35	22	MTRF	1300	1350	01/11-04/22	M
CAS		205	20487	MATH	112	002	4.000	Calculus Business/Life Science	Voutsadakis	35	32	MTRF	1000	1050	01/11-04/22	M
CAS		205	20488	MATH	131	001	3.000	College Trigonometry	Snyder	30	21	TR	1100	1220	01/11-04/22	M

AT	CEDARVILLE	20941	MATH	131	325	3.000	College Trigonometry	Muller	0	12			01/11-04/22	O		
CAS		123	20489	MATH	151	001	4.000	Calculus I	Snyder	30	23	MTRF	800	850	01/11-04/22	M
CAS		205	20490	MATH	152	001	4.000	Calculus II	Coullard	30	21	MTRF	800	850	01/11-04/22	M
CAS		205	20491	MATH	152	002	4.000	Calculus II	Coullard	30	20	MTRF	1300	1350	01/11-04/22	M
CAS		210	20492	MATH	207	001	3.000	Prin of Statistical Methods	Terwilliger	26	25	TR	800	920	01/11-04/22	M
CAS		210	20493	MATH	207	002	3.000	Prin of Statistical Methods	Smith	28	27	MWF	900	950	01/11-04/22	M
CAS		311	20494	MATH	207	003	3.000	Prin of Statistical Methods	Smith	28	29	TR	1400	1520	01/11-04/22	M
CAS		210	20495	MATH	207	004	3.000	Prin of Statistical Methods	Ngunkeng	30	10	MW	1600	1720	01/11-04/22	M
CAS		207	20496	MATH	216	001	3.000	Discrete Math/Problem Solving	Coullard	15	5	TR	1100	1220	01/11-04/22	M
CAS		207	20497	MATH	251	001	4.000	Calculus III	Voutsadakis	30	16	MTRF	800	850	01/11-04/22	M
CAS		123	20767	MATH	309	001	4.000	Applied Statistics	Ngunkeng	20	6	MTWR	900	950	01/11-04/22	M
CAS		210	20498	MATH	310	001	3.000	Differential Equations	Muller	30	17	MWF	800	850	01/11-04/22	M
CAS		207	20768	MATH	401	001	3.000	Mathematical Modeling	Coullard	20	8	MWF	1100	1150	01/11-04/22	M
			20984	MATH	490	001	3.000	Ind Res Topics in Mathematics	Muller	1	1				01/11-04/22	M
CAS		103	20453	MGMT	280	001	3.000	Intro Management Info Systems	Diaz	30	25	TR	1230	1350	01/11-04/22	M
CRW		304	20455	MGMT	360	001	3.000	Management Concepts & Apps	Masters	28	27	MWF	900	950	01/11-04/22	M
CAS		103	20457	MGMT	371	001	3.000	Operations/Business Analytics	Diaz	30	29	MW	1800	1920	01/11-04/22	M
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	F	1800	2130	01/11-04/22	P	
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	F	1800	2130	01/11-04/22	P	
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	F	1800	2130	01/11-04/22	P	
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	F	1800	2130	01/11-04/22	P	
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	F	1800	2130	01/11-04/22	P	
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	S	800	1500	01/11-04/22	P	
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	S	800	1500	01/11-04/22	P	
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	S	800	1500	01/11-04/22	P	
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	S	800	1500	01/11-04/22	P	
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	S	800	1500	01/11-04/22	P	
AT	PETOSKEY	20754	MGMT	371	790	3.000	Operations/Business Analytics	Diaz	20	13	S	800	1500	01/11-04/22	P	
CAS		311	20459	MGMT	380	001	3.000	Principles of Leadership	Collymore	28	24	TR	800	920	01/11-04/22	M
AT	PETOSKEY	20755	MGMT	464	790	3.000	Organizational Behavior	Collymore	20	7	F	1800	2130	01/11-04/22	P	
AT	PETOSKEY	20755	MGMT	464	790	3.000	Organizational Behavior	Collymore	20	7	F	1800	2130	01/11-04/22	P	
AT	PETOSKEY	20755	MGMT	464	790	3.000	Organizational Behavior	Collymore	20	7	F	1800	2130	01/11-04/22	P	
AT	PETOSKEY	20755	MGMT	464	790	3.000	Organizational Behavior	Collymore	20	7	F	1800	2130	01/11-04/22	P	
AT	PETOSKEY	20755	MGMT	464	790	3.000	Organizational Behavior	Collymore	20	7	F	1800	2130	01/11-04/22	P	
AT	PETOSKEY	20755	MGMT	464	790	3.000	Organizational Behavior	Collymore	20	7	S	800	1500	01/11-04/22	P	
AT	PETOSKEY	20755	MGMT	464	790	3.000	Organizational Behavior	Collymore	20	7	S	800	1500	01/11-04/22	P	
AT	PETOSKEY	20755	MGMT	464	790	3.000	Organizational Behavior	Collymore	20	7	S	800	1500	01/11-04/22	P	
AT	PETOSKEY	20755	MGMT	464	790	3.000	Organizational Behavior	Collymore	20	7	S	800	1500	01/11-04/22	P	
AT	PETOSKEY	20755	MGMT	464	790	3.000	Organizational Behavior	Collymore	20	7	S	800	1500	01/11-04/22	P	
CRW		305	20463	MGMT	469	001	3.000	Collective Bargaining	Collymore	30	18	MW	1800	1920	01/11-04/22	M
AT	ESCANABA	20756	MGMT	476	890	4.000	Employee Training/Development	Bekes	30	13	W	1730	2130	01/11-04/22	E	
CRW		304	20466	MRKT	281	001	3.000	Marketing Principles/ Strategy	Philips	40	34	MWF	1100	1150	01/11-04/22	M
CAS		311	20757	MRKT	385	001	3.000	Services Marketing	Masters	30	10	MWF	1100	1150	01/11-04/22	M
CAS		123	20758	MRKT	388	001	3.000	Retail Management	Philips	30	28	MWF	1200	1250	01/11-04/22	M
CAS		311	20470	MRKT	481	001	3.000	Marketing Management	Wilhelms	35	11	TR	930	1050	01/11-04/22	M
ART		215	20521	MUSC	112	001	1.000	Band	Case	15	9	W	1800	2100	01/11-04/22	M
ART		215	20522	MUSC	140	001	1.000	Choir	Hughes	30	7	TR	1530	1650	01/11-04/22	M
ART		215	20522	MUSC	140	001	1.000	Choir	Case	30	7	TR	1530	1650	01/11-04/22	M

ART		215	20523	MUSC	170	001	1.000	Class Piano I	Case	15	11	TR	1300	1350	01/11-04/22	M
ART		215	20524	MUSC	171	001	1.000	Class Piano II	Case	15	4	TR	1200	1250	01/11-04/22	M
ART		215	20525	MUSC	180	001	1.000	Class Guitar I	Sabatine	15	11	TR	1400	1450	01/11-04/22	M
ART		215	20817	MUSC	221	001	4.000	History Appreciation Music II	Hughes	25	10	TR	930	1120	01/11-04/22	M
CRW		251	20526	NSCI	101	001	4.000	Conceptual Physics	Lindquist	20	18	TR	930	1050	01/11-04/22	M
CRW		251	20527	NSCI	101	00A	0.000	Conceptual Physics	Lindquist	20	18	W	1500	1650	01/11-04/22	M
CRW		207	20528	NSCI	102	001	4.000	Introduction to Geology	Lindquist	66	44	MWF	1100	1150	01/11-04/22	M
CRW		336	20529	NSCI	102	00A	0.000	Introduction to Geology	Mattheus	22	14	T	1000	1150	01/11-04/22	M
CRW		336	20530	NSCI	102	00B	0.000	Introduction to Geology	Mattheus	22	21	T	1300	1450	01/11-04/22	M
CRW		336	20531	NSCI	102	00C	0.000	Introduction to Geology	Mattheus	22	9	T	1500	1650	01/11-04/22	M
CRW		204	20532	NSCI	103	001	3.000	Environmental Science	Wright	72	53	MWF	1000	1050	01/11-04/22	M
CRW		334	20533	NSCI	104	001	1.000	Environmental Science Lab	Kelly	24	16	M	1600	1750	01/11-04/22	M
CRW		334	20534	NSCI	104	002	1.000	Environmental Science Lab	Kelly	24	20	W	1400	1550	01/11-04/22	M
CRW		334	20535	NSCI	104	003	1.000	Environmental Science Lab	Kelly	24	11	R	1000	1150	01/11-04/22	M
CRW		108	20536	NSCI	116	001	4.000	Introduction to Oceanography	Wright	24	20	MWF	900	950	01/11-04/22	M
CRW		336	20537	NSCI	116	00A	0.000	Introduction to Oceanography	Wright	24	20	R	900	1050	01/11-04/22	M
CRW		302	20538	NURS	211	001	3.000	Intro to Professional Nursing	Berchem	24	19	R	1000	1150	01/11-04/22	M
CRW		302	20538	NURS	211	001	3.000	Intro to Professional Nursing	Berchem	24	19	T	1100	1150	01/11-04/22	M
LBR		251	20539	NURS	212	001	4.000	Health Appraisal	Butcher	24	19	M	900	1050	01/11-04/22	M
CRW		359	20540	NURS	212	00A	0.000	Health Appraisal	Butcher	9	10	M	1400	1650	01/11-04/22	M
CRW		359	20540	NURS	212	00A	0.000	Health Appraisal	Butcher	9	10	T	800	1050	01/11-04/22	M
CRW		355	20542	NURS	212	00B	0.000	Health Appraisal	Ignatowski	9	9	F	900	1150	01/11-04/22	M
CRW		355	20542	NURS	212	00B	0.000	Health Appraisal	Ignatowski	9	9	R	1300	1550	01/11-04/22	M
CRW		359	20543	NURS	213	001	6.000	Fundamentals of Nursing	Gerrie	24	23	F	1000	1050	01/11-04/22	M
CRW		359	20543	NURS	213	001	6.000	Fundamentals of Nursing	Gerrie	24	23	R	900	1050	01/11-04/22	M
OFF	CAMPUS		20544	NURS	213	00A	0.000	Fundamentals of Nursing	Preston	8	8	M	630	1450	01/11-04/22	M
OFF	CAMPUS		20545	NURS	213	00B	0.000	Fundamentals of Nursing	Perez	8	7	M	630	1450	01/11-04/22	M
OFF	CAMPUS		20546	NURS	213	00C	0.000	Fundamentals of Nursing	Parker	8	8	M	630	1450	01/11-04/22	M
CRW		359	20547	NURS	213	00X	0.000	Fundamentals of Nursing	Gerrie	8	7	F	1100	1250	01/11-04/22	M
CRW		359	20548	NURS	213	00Y	0.000	Fundamentals of Nursing	Gerrie	8	8	R	1400	1550	01/11-04/22	M
CRW		359	20549	NURS	213	00Z	0.000	Fundamentals of Nursing	Gerrie	8	8	R	1100	1250	01/11-04/22	M
CRW		302	20550	NURS	325	001	5.000	Nursing Childbearing Families	Donmyer	25	25	M	800	950	01/11-04/22	M
OFF	CAMPUS		20551	NURS	325	00A	0.000	Nursing Childbearing Families	Moreau	6	6	F	1330	1930	01/11-04/22	M
OFF	CAMPUS		20551	NURS	325	00A	0.000	Nursing Childbearing Families	Moreau	6	6	R	730	1250	01/11-04/22	M
OFF	CAMPUS		20552	NURS	325	00B	0.000	Nursing Childbearing Families	Brownlee-Sheaves	6	6	F	700	1250	01/11-04/22	M
OFF	CAMPUS		20552	NURS	325	00B	0.000	Nursing Childbearing Families	Brownlee-Sheaves	6	6	R	1330	1930	01/11-04/22	M
OFF	CAMPUS		20553	NURS	325	00C	0.000	Nursing Childbearing Families	Warner	6	6	F	1330	1930	01/11-04/22	M
OFF	CAMPUS		20553	NURS	325	00C	0.000	Nursing Childbearing Families	Warner	6	6	R	700	1250	01/11-04/22	M
OFF	CAMPUS		20554	NURS	325	00D	0.000	Nursing Childbearing Families	Warner	7	7	F	700	1250	01/11-04/22	M
OFF	CAMPUS		20554	NURS	325	00D	0.000	Nursing Childbearing Families	Warner	7	7	R	1330	1930	01/11-04/22	M
CRW		355	20555	NURS	325	00X	0.000	Nursing Childbearing Families	O'Shea	12	12	M	1700	1900	01/11-04/22	M
CRW		355	20556	NURS	325	00Y	0.000	Nursing Childbearing Families	Donmyer	13	13	M	1000	1150	01/11-04/22	M
CRW		302	20557	NURS	326	001	5.000	Nursing of Children & Families	Kellan	25	25	W	800	950	01/11-04/22	M
OFF	CAMPUS		20558	NURS	326	00A	0.000	Nursing of Children & Families	Kellan	8	8	TRF			01/11-04/22	M
OFF	CAMPUS		20559	NURS	326	00B	0.000	Nursing of Children & Families	Kellan	8	8	TRF			01/11-04/22	M
OFF	CAMPUS		20560	NURS	326	00C	0.000	Nursing of Children & Families	Beckham	9	9	TRF			01/11-04/22	M
CRW		363	20561	NURS	326	00X	0.000	Nursing of Children & Families	Beckham	12	12	W	1000	1150	01/11-04/22	M

CRW		363	20864	NURS	326	00Y	0.000	Nursing of Children & Families	Kellan	13	13	M	1200	1350	01/11-04/22	M
CRW		108	20562	NURS	327	001	8.000	Adult Nursing I	Oliver	25	20	T	800	950	01/11-04/22	M
CRW		204	20562	NURS	327	001	8.000	Adult Nursing I	Oliver	25	20	M	1400	1550	01/11-04/22	M
OFF	CAMPUS		20563	NURS	327	00A	0.000	Adult Nursing I	Savoie	9	7	F	630	1700	01/11-04/22	M
OFF	CAMPUS		20564	NURS	327	00B	0.000	Adult Nursing I	Murphy	8	6	F	630	1830	01/11-04/22	M
OFF	CAMPUS		20565	NURS	327	00C	0.000	Adult Nursing I	Oliver	8	7	R	630	1830	01/11-04/22	M
CRW		363	20566	NURS	327	00X	0.000	Adult Nursing I	Verdecchia	8	3	M	1000	1150	01/11-04/22	M
CRW		363	20567	NURS	327	00Y	0.000	Adult Nursing I	Verdecchia	9	9	T	1200	1350	01/11-04/22	M
CRW		363	20568	NURS	327	00Z	0.000	Adult Nursing I	Verdecchia	8	8	T	1000	1150	01/11-04/22	M
CRW		204	20569	NURS	431	001	8.000	Adult Nursing II	Verdecchia	25	25	T	1400	1550	01/11-04/22	M
CRW		305	20569	NURS	431	001	8.000	Adult Nursing II	Verdecchia	25	25	M	1400	1550	01/11-04/22	M
OFF	CAMPUS		20570	NURS	431	00A	0.000	Adult Nursing II	Verdecchia	8	8	R	630	1830	01/11-04/22	M
OFF	CAMPUS		20863	NURS	431	00B	0.000	Adult Nursing II	Hoffrichter	9	9	F	630	1830	01/11-04/22	M
OFF	CAMPUS		20572	NURS	431	00C	0.000	Adult Nursing II	Folkersma	8	8	F	700	1350	01/11-04/22	M
OFF	CAMPUS		20572	NURS	431	00C	0.000	Adult Nursing II	Folkersma	8	8	R	900	1750	01/11-04/22	M
CRW		355	20573	NURS	431	00X	0.000	Adult Nursing II	Perez	8	8	T	1130	1250	01/11-04/22	M
CRW		355	20574	NURS	431	00Y	0.000	Adult Nursing II	Perez	8	8	T	800	920	01/11-04/22	M
CRW		355	20575	NURS	431	00Z	0.000	Adult Nursing II	Perez	9	9	T	1000	1120	01/11-04/22	M
CAS		119	20576	NURS	432	001	5.000	Nursing of Populations	Reynolds-Keegan	20	21	W	1000	1050	01/11-04/22	M
CRW		363	20576	NURS	432	001	5.000	Nursing of Populations	Reynolds-Keegan	20	21	M	800	950	01/11-04/22	M
OFF	CAMPUS		20577	NURS	432	00A	0.000	Nursing of Populations	King	7	6	T	800	1150	01/11-04/22	M
OFF	CAMPUS		20578	NURS	432	00B	0.000	Nursing of Populations	Reynolds-Keegan	7	7	T	800	1150	01/11-04/22	M
OFF	CAMPUS		20579	NURS	432	00C	0.000	Nursing of Populations	King	6	8	T	1230	1620	01/11-04/22	M
CRW		363	20581	NURS	432	00X	0.000	Nursing of Populations	Reynolds-Keegan	20	21	W	900	950	01/11-04/22	M
CRW		108	20582	NURS	433	001	5.000	Community Mental Hlth Nursing	King	20	20	W	1100	1150	01/11-04/22	M
CRW		302	20582	NURS	433	001	5.000	Community Mental Hlth Nursing	King	20	20	M	1300	1450	01/11-04/22	M
OFF	CAMPUS		20583	NURS	433	00A	0.000	Community Mental Hlth Nursing	Stranaly	5	5	RF			01/11-04/22	M
OFF	CAMPUS		20583	NURS	433	00A	0.000	Community Mental Hlth Nursing	King	5	5	RF			01/11-04/22	M
OFF	CAMPUS		20584	NURS	433	00B	0.000	Community Mental Hlth Nursing	Macker	5	5	RF			01/11-04/22	M
OFF	CAMPUS		20584	NURS	433	00B	0.000	Community Mental Hlth Nursing	King	5	5	RF			01/11-04/22	M
OFF	CAMPUS		20585	NURS	433	00C	0.000	Community Mental Hlth Nursing	Macker	5	5	RF			01/11-04/22	M
OFF	CAMPUS		20586	NURS	433	00D	0.000	Community Mental Hlth Nursing	Stranaly	5	5	RF			01/11-04/22	M
CRW		302	20587	NURS	433	00X	0.000	Community Mental Hlth Nursing	King	20	20	M	1500	1550	01/11-04/22	M
CRW		302	20590	NURS	434	001	3.000	Nursing Research	Reynolds-Keegan	25	21	W	1400	1450	01/11-04/22	M
LBR		251	20590	NURS	434	001	3.000	Nursing Research	Reynolds-Keegan	25	21	M	1200	1350	01/11-04/22	M
ONLINE	COURSE		20591	NURS	435	00N	4.000	Management in Nursing	Gerrie	25	25				01/11-04/22	O
CRW		305	20594	NURS	436	001	2.000	Contemporary Issues in Nursing	Oliver	20	20	W	1400	1550	01/11-04/22	M
			20985	NURS	490	001	2.000	Independent Study in Nursing	Hutchins	1	1				01/11-04/22	O
LBR		203	20820	PHIL	220	001	3.000	Biomedical Ethics	Swedene	20	9	MWF	1300	1350	01/11-04/22	M
CRW		109	20597	PHIL	305	001	3.000	Modern Contemporary Philosophy	Fabiano	20	16	T	1800	2100	01/11-04/22	M
			20977	PHIL	490	001	4.000	Directed Study in Philosophy	Fabiano	1	1				01/11-04/22	O
CRW		207	20598	PHYS	222	001	4.000	Principles of Physics II	Spencer	40	24	TR	1100	1220	01/11-04/22	M
CRW		251	20599	PHYS	222	00A	0.000	Principles of Physics II	Lindquist	20	13	T	1400	1550	01/11-04/22	M
CRW		251	20599	PHYS	222	00A	0.000	Principles of Physics II	Spencer	20	13	T	1400	1550	01/11-04/22	M
CRW		251	20600	PHYS	222	00B	0.000	Principles of Physics II	Lindquist	20	11	T	1800	2000	01/11-04/22	M
CRW		251	20600	PHYS	222	00B	0.000	Principles of Physics II	Spencer	20	11	T	1800	2000	01/11-04/22	M
CRW		207	20601	PHYS	232	001	4.000	App Phy Engineer Scientist II	Spencer	36	34	TR	930	1050	01/11-04/22	M

CRW		251	20602	PHYS	232	00A	0.000	App Phy Engineer Scientist II	Spencer	18	17	M	1600	1750	01/11-04/22	M
CRW		251	20603	PHYS	232	00B	0.000	App Phy Engineer Scientist II	Spencer	18	17	M	1800	1950	01/11-04/22	M
CRW		363	20615	PNUR	107	001	1.000	Understand Clin Nutrition Lab	Perez	11	9	R	1300	1550	01/11-04/22	M
CRW		205	20616	PNUR	201	001	10.000	Medical Surgical Pract Nursing	Kabke	11	10	R	800	1050	01/11-04/22	M
CRW		302	20616	PNUR	201	001	10.000	Medical Surgical Pract Nursing	Kabke	11	10	W	1000	1150	01/11-04/22	M
OFF	CAMPUS		20617	PNUR	201	00A	0.000	Medical Surgical Pract Nursing	Kabke	6	6	MT	630	1730	01/11-04/22	M
OFF	CAMPUS		20617	PNUR	201	00A	0.000	Medical Surgical Pract Nursing	Beckham	6	6	MT	630	1730	01/11-04/22	M
OFF	CAMPUS		20618	PNUR	201	00B	0.000	Medical Surgical Pract Nursing	Kabke	5	4	MT	630	1730	01/11-04/22	M
OFF	CAMPUS		20618	PNUR	201	00B	0.000	Medical Surgical Pract Nursing	Beckham	5	4	MT	630	1730	01/11-04/22	M
CRW		355	20619	PNUR	201	00X	0.000	Medical Surgical Pract Nursing	Beckham	11	10	W	800	950	01/11-04/22	M
LBR		203	20604	POLI	110	001	4.000	Intro American Govt/Politics	Rathje	65	47	MW	1800	2000	01/11-04/22	M
CRW		207	20605	POLI	120	001	3.000	Introduction Legal Processes	Andary	65	40	MWF	900	950	01/11-04/22	M
			20917	POLI	120	790	3.000	Introduction Legal Processes	Rathje	20	7				01/11-04/22	P
CAS		211	20826	POLI	211	001	4.000	Pol Sci Research/Statistics	Rathje	20	10	MW	1600	1750	01/11-04/22	M
CRW		304	20827	POLI	234	001	4.000	Women & Politics Around World	Shaffer-O'Connell	30	18	MTWR	1300	1350	01/11-04/22	M
CRW		109	20608	POLI	247	001	2.000	Model United Nations	Shaffer-O'Connell	20	6	W	1800	2000	01/11-04/22	M
CAS		211	20828	POLI	331	001	4.000	Comp Politics W Europe/Russia	Rathje	20	12	MW	1400	1550	01/11-04/22	M
CRW		109	20829	POLI	342	001	3.000	Internatl Environmental Policy	Shaffer-O'Connell	30	15	TR	1100	1220	01/11-04/22	M
CRW		205	20877	POLI	467	001	4.000	Constitutional Law/Civil Lib	Andary	20	3	TR	1400	1550	01/11-04/22	M
			20913	POLI	490	001	1.000	Ind Study Political Science	Shaffer-O'Connell	5	1				01/11-04/22	O
LBR		278	20613	POLI	492	001	4.000	Senior Seminar II	Shaffer-O'Connell	15	6	TR	1400	1550	01/11-04/22	M
OFF	CAMPUS		20614	POLI	499	001	3.000	Pol Sci/Pub Admin Internship	Shaffer-O'Connell	5	3				01/11-04/22	O
LBR		278	20621	PSYC	101	001	4.000	Introduction to Psychology	Franks	150	67	MTRF	1100	1150	01/11-04/22	M
CHARTER	ONLINE		20993	PSYC	101	CHN	4.000	Introduction to Psychology	Frenette	0	27				01/11-04/22	O
LBR		203	20622	PSYC	155	001	3.000	Lifespan Development	Searight	96	72	MWF	1600	1650	01/11-04/22	M
CRW		108	20623	PSYC	201	001	3.000	Comm Skills in Counseling	Logsdon	20	24	M	1800	2000	01/11-04/22	M
CRW		108	20624	PSYC	201	00A	0.000	Comm Skills in Counseling	Logsdon	10	9	M	1600	1650	01/11-04/22	M
CRW		108	20625	PSYC	201	00B	0.000	Comm Skills in Counseling	Logsdon	10	15	M	1700	1750	01/11-04/22	M
CAS		103	20626	PSYC	210	001	3.000	Statistics	Olson-Pupek	28	24	MWF	1300	1350	01/11-04/22	M
CRW		303	20627	PSYC	212	001	4.000	Experimental Psychology	Olson-Pupek	30	34	MWF	1000	1050	01/11-04/22	M
LBR		333	20628	PSYC	212	00A	0.000	Experimental Psychology	Olson-Pupek	15	18	T	900	1050	01/11-04/22	M
LBR		333	20894	PSYC	212	00B	0.000	Experimental Psychology	Olson-Pupek	15	16	R	900	1050	01/11-04/22	M
LBR		203	20629	PSYC	240	001	3.000	Behavior Management	Franks	40	21	MWF	900	950	01/11-04/22	M
LBR		203	20630	PSYC	259	001	3.000	Abnormal Psychology	Searight	96	54	TR	1230	1350	01/11-04/22	M
CRW		204	20631	PSYC	265	001	3.000	Child/Adolescent Development	Franks	50	19	TR	930	1050	01/11-04/22	M
CRW		306	20632	PSYC	301	001	3.000	Exceptional Child/Adolescent	Searight	30	12	MWF	1500	1550	01/11-04/22	M
CRW		305	20633	PSYC	391	001	3.000	Family Therapy	Searight	30	22	TR	1400	1520	01/11-04/22	M
CAS		119	20634	PSYC	396	001	3.000	Tests and Measurements	Franks	36	35	TR	1530	1650	01/11-04/22	M
ART		217	20636	PSYC	459	001	3.000	Physiological Psychology	Olson-Pupek	30	25	TR	1400	1520	01/11-04/22	M
CRW		304	20637	PSYC	490	001	3.000	Research Topics in Psychology	Olson-Pupek	5	2	MW	1500	1620	01/11-04/22	O
			20638	PSYC	495	001	3.000	Senior Research Practicum	Searight	6	6				01/11-04/22	O
			20639	PSYC	495	002	3.000	Senior Research Practicum	Olson-Pupek	6	7				01/11-04/22	O
CAS		119	20640	PSYC	499	001	1.000	Senior Research II	Searight	6	6	W	1200	1250	01/11-04/22	M
ART		208	20641	PSYC	499	002	1.000	Senior Research II	Olson-Pupek	6	7	W	1100	1150	01/11-04/22	M
OFF	CAMPUS		20668	RECA	105	001	1.000	Bowling	Lokken	20	20	M	1200	1350	01/11-04/22	O
NOR	GYM		20669	RECA	110	001	1.000	Golf	Pusch	12	12	MW	1000	1050	01/11-04/22	M
NOR	SAC		20670	RECA	114	001	1.000	Self Defense	Westrick	30	18	TR	1100	1150	01/11-04/22	M

NOR		208	20914	RECA	115	001	1.000	Tai Chi	Askwith	20	10	MW	900	950	01/11-04/22	M
NOR		208	20915	RECA	116	001	1.000	Kickboxing	Novak	20	20	TR	1900	1950	01/11-04/22	M
NOR	ICE		20671	RECA	119	F01	1.000	Cross Country Skiing	Childs	20	10	T	1400	1650	01/11-04/22	M
NOR	ICE		20672	RECA	120	F01	1.000	Downhill Skiing, Snowboarding	Childs	27	18	R	1300	1650	01/11-04/22	M
NOR	SAC		20673	RECA	125	001	1.000	Tennis	Pusch	20	12	TR	1000	1050	01/11-04/22	M
NOR	SAC		20909	RECA	127	001	1.000	Volleyball	Durre	24	7	TR	900	950	01/11-04/22	M
			20674	RECA	130	001	1.000	Intercollegiate Sports Skills	Dunbar	75	24				01/11-04/22	M
NOR	SAC		20675	RECA	150	001	1.000	Individual Physical Fitness	Pusch	30	24	TR	800	850	01/11-04/22	M
NOR		120	20676	RECA	153	001	1.000	Weight Training	Dobratz	20	17	MW	1100	1150	01/11-04/22	M
NOR		120	20677	RECA	153	002	1.000	Weight Training	Pusch	20	13	TR	1100	1150	01/11-04/22	M
NOR		208	20678	RECA	154	001	1.000	Yoga	Carlson	18	15	M	1500	1650	01/11-04/22	M
NOR		208	20679	RECA	154	002	1.000	Yoga	Carlson	18	17	W	1500	1650	01/11-04/22	M
NOR		208	20681	RECA	174	001	1.000	Aerobic Dance	Novak	20	19	TR	1800	1850	01/11-04/22	M
NOR	ICE		20682	RECA	180	001	1.000	Beginning Skating	Metro	30	32	MW	1000	1050	01/11-04/22	M
NOR		202	20844	RECS	101	001	3.000	Int Recreation/Leisure Service	Childs	30	13	TR	1100	1220	01/11-04/22	M
NOR		202	20642	RECS	105	001	3.000	Program Dev & Leadership	Pusch	15	10	MWF	1100	1150	01/11-04/22	M
CAS		108	20846	RECS	270	001	3.000	Sports Management	Pusch	24	7	MWF	900	950	01/11-04/22	M
NOR		206	20643	RECS	280	001	3.000	Readiness Games/Act/Sports	Childs	24	11	TR	930	1050	01/11-04/22	M
OFF	CAMPUS		20644	RECS	295	001	1.000	Practicum	Childs	10	5				01/11-04/22	O
OFF	CAMPUS		20645	RECS	295	002	1.000	Practicum	Pusch	10	2				01/11-04/22	O
OFF	CAMPUS		20646	RECS	295	003	2.000	Practicum	Childs	10	1				01/11-04/22	O
OFF	CAMPUS		20647	RECS	295	004	2.000	Practicum	Pusch	10	0				01/11-04/22	O
			20903	RECS	295	005	2.000	Practicum	Fletcher	10	1				01/11-04/22	O
			20988	RECS	295	006	2.000	Practicum	Susi	1	1				01/11-04/22	O
NOR		213	20919	RECS	300	001	3.000	Special Topics:	Constantino	10	5	TR	1100	1220	01/11-04/22	M
NOR		206	20845	RECS	370	001	3.000	Recreation for the Elderly	Pusch	24	5	TR	1230	1350	01/11-04/22	M
OFF	CAMPUS		20652	RECS	390	001	1.000	Rec Leader Apprenticeship	Childs	10	2				01/11-04/22	O
OFF	CAMPUS		20653	RECS	390	002	1.000	Rec Leader Apprenticeship	Pusch	10	2				01/11-04/22	O
OFF	CAMPUS		20654	RECS	390	003	1.000	Rec Leader Apprenticeship	Statt	10	0				01/11-04/22	O
OFF	CAMPUS		20655	RECS	390	004	1.000	Rec Leader Apprenticeship	Metro	10	3				01/11-04/22	O
OFF	CAMPUS		20656	RECS	390	005	1.000	Rec Leader Apprenticeship	Durre	10	1				01/11-04/22	O
OFF	CAMPUS		20904	RECS	390	006	1.000	Rec Leader Apprenticeship	Fletcher	10	1				01/11-04/22	O
NOR		202	20657	RECS	435	001	3.000	Research Rec/Leisure Sciences	Childs	30	10	MWF	1000	1050	01/11-04/22	M
NOR		202	20659	RECS	481	001	1.000	Professional Development Sem	Pusch	15	4	M	1200	1250	01/11-04/22	M
OFF	CAMPUS		20660	RECS	492	001	6.000	Internship	Childs	5	0				01/11-04/22	O
OFF	CAMPUS		20661	RECS	492	002	6.000	Internship	Pusch	5	1				01/11-04/22	O
OFF	CAMPUS		20662	RECS	496	001	1.000	Selected Research Topics	Childs	5	0				01/11-04/22	O
OFF	CAMPUS		20663	RECS	496	002	1.000	Selected Research Topics	Pusch	5	0				01/11-04/22	O
OFF	CAMPUS		20664	RECS	496	003	2.000	Selected Research Topics	Childs	5	1				01/11-04/22	O
OFF	CAMPUS		20665	RECS	496	004	2.000	Selected Research Topics	Pusch	5	1				01/11-04/22	O
OFF	CAMPUS		20666	RECS	496	005	3.000	Selected Research Topics	Childs	5	1				01/11-04/22	O
OFF	CAMPUS		20667	RECS	496	006	3.000	Selected Research Topics	Pusch	5	0				01/11-04/22	O
LBR		251	20725	SERV	125	001	1.000	Career Plan/Decision Making	Meehan	12	5	W	1400	1450	01/11-04/22	M
LBR	CAREERSERV		20726	SERV	125	00A	0.000	Career Plan/Decision Making	Meehan	12	5	M	1000	1050	01/11-04/22	M
CRW		303	20700	SOCY	101	001	4.000	Introduction to Sociology	Crandall	50	30	MTWR	1100	1150	01/11-04/22	M
LBR		278	20701	SOCY	101	002	4.000	Introduction to Sociology	Shay	96	56	MTWR	1300	1350	01/11-04/22	M
LBR		203	20702	SOCY	102	001	4.000	Social Problems	Crandall	55	13	MTWR	1000	1050	01/11-04/22	M

CAS		212	20703	SOCY	103	001	3.000	Cultural Diversity	Shay	70	41	MWF	900	950	01/11-04/22	M
CRW		306	20704	SOCY	103	002	3.000	Cultural Diversity	Shay	50	44	MWF	1000	1050	01/11-04/22	M
CRW		207	20705	SOCY	103	003	3.000	Cultural Diversity	Mauldin	60	46	TR	800	920	01/11-04/22	M
ONLINE	COURSE		20706	SOCY	103	00N	3.000	Cultural Diversity	Purdy	20	23				01/11-04/22	O
LBR		203	20707	SOCY	214	001	3.000	Criminology	Mauldin	60	58	MWF	1100	1150	01/11-04/22	M
CRW		108	20708	SOCY	301	001	3.000	Social Research Methods	Mauldin	30	3	MWF	800	850	01/11-04/22	M
CAS		123	20709	SOCY	311	001	3.000	Comtemp Sociological Theory	Shay	28	10	TR	1100	1220	01/11-04/22	M
CRW		306	20824	SOCY	326	001	3.000	Sociology Aging and the Aged	Crandall	30	9	TR	1400	1520	01/11-04/22	M
CAS		108	20711	SOCY	399	001	1.000	Sociology Junior Seminar	Mauldin	20	3	M	1300	1350	01/11-04/22	M
CAS		108	20712	SOCY	402	001	1.000	Sociology Seminar II	Mauldin	15	4	W	1300	1350	01/11-04/22	M
			20713	SOCY	490	001	3.000	Ind Research Topics Sociology	Mauldin	5	3				01/11-04/22	O
OFF	CAMPUS		20715	SOCY	496	001	2.000	Senior Project II	Mauldin	15	4				01/11-04/22	O
			20716	SOCY	497	001	3.000	Community Action Project	Crandall	15	5				01/11-04/22	M
			20717	SOCY	497	00A	0.000	Community Action Project	Crandall	15	5				01/11-04/22	M
OFF	CAMPUS		20694	SOWK	250	001	3.000	Social Work Practicum	Mauldin	15	6				01/11-04/22	O
OFF	CAMPUS		20695	SOWK	250	002	6.000	Social Work Practicum	Mauldin	10	2				01/11-04/22	O
ART		217	20697	SOWK	292	001	3.000	Substance Abuse Prev/Treatmnt	Herbert	34	15	T	1800	2100	01/11-04/22	M
ART		208	20698	SOWK	310	001	3.000	Clinical Practice Diagnosis	LeBlanc	24	13	MWF	1200	1250	01/11-04/22	M
CAS		107	20838	SOWK	341	001	3.000	Addiction	Cook	24	12	W	1800	2100	01/11-04/22	M
CRW		108	20699	SOWK	344	001	3.000	Social Welfare Systems	Stabile	30	14	R	1800	2100	01/11-04/22	M
CAS		211	20718	SPAN	162	001	4.000	First Year Spanish II	Disney	24	4	MTRF	900	950	01/11-04/22	M
CAS		211	20719	SPAN	162	00A	0.000	First Year Spanish II	Disney	24	4	W	900	950	01/11-04/22	M
			20892	THEA	161	001	1.000	Theatre Practicum	Christensen	5	7				01/11-04/22	M
ART		208	20891	THEA	251	001	3.000	Theatre History	Christensen	24	11	MW	1600	1720	01/11-04/22	M
ART		241	20901	THEA	300	001	3.000	Special Topics:	Christensen	20	7	T	1600	1900	01/11-04/22	M
LBR	CAREERSERV		20743	USEM	101	001	1.000	Univ Sem I: Foundation Success	Meehan	20	7	M	1400	1450	01/11-04/22	M
			20745	USEM	104	001	1.000	Univ Sem IV: Prof Seminar	Meehan	15	8				01/11-04/22	M