

## B.S. Environmental Science – Chemistry Concentration

Name \_\_\_\_\_ ID# \_\_\_\_\_ Advisor \_\_\_\_\_  
 Expected Date of Graduation \_\_\_\_\_ Chair Approval \_\_\_\_\_

*Enter semester (i.e. F08) and grade (i.e. B) for each class at LSSU, for transfer credits enter 'TR'*

### Environmental Science Core Requirements (66-67cr.)

	Grade/Sem
USEM101 University Seminar 1	_____
Take USEM101 during 1st semester	
NSCI103 Environmental Science 3	_____
EVRN131 Introduction to GIS/GPS 3	_____
EVRN211 Field Data Methods 1	_____
EVRN225 Intermediate GIS 3	_____
EVRN311 Environmental Law 3	_____
EVRN315 Human Impacts Evrn 4	_____
EVRN389 Evrn Research Methods 3	_____
EVRN395 Junior Seminar 1	_____
EVRN499 Senior Seminar 1	_____
BIOL131 General Biology: Cells 4	_____
BIOL132 General Biology: Organisms 4	_____
BIOL337 General Ecology 3	_____
BIOL204 General Microbiology 4	_____
GEOL121 Physical & Hist Geology I 4	_____

*Complete one course from the following two:*

- \*NSCI116 Intro to Oceanography 4 \_\_\_\_\_
- \*GEOG108 Physical Geography:  
    Meteorology & Climatology 4 \_\_\_\_\_

- CHEM115 General Chemistry I 5 \_\_\_\_\_
- CHEM116 General Chemistry II 5 \_\_\_\_\_

*Complete one course from the following two:*

- \*MATH112 Calculus for Business &  
    Life Sciences 4 \_\_\_\_\_
- \*MATH151 Calculus I 4 \_\_\_\_\_

*Complete one course from the following three:*

- \*MATH207 Principles of Statistics 3 \_\_\_\_\_
- \*BUSN211 Business Statistics 3 \_\_\_\_\_
- \*BIOL280 Biostatistics 3 \_\_\_\_\_

*Complete one course from the following two:*

- \*GEOL411 Hydrologic Systems:  
    Surface and Groundwater 4 \_\_\_\_\_
- \* NRES 286 Principles of Watersheds 3 \_\_\_\_\_

**#For American Chemical Society certified degree  
 (See Department Chair for special rules and  
 additional requirements regarding ACS certification):**

#EVRN495 Senior Project 2 \_\_\_\_\_

### Concentration Requirements (51-52 cr.)

	Grade/Sem
PHYS221 or PHYS231 Physics 4	_____
PHYS222 or PHYS232 Physics 4	_____
CHEM225 Organic Chemistry I 4	_____
CHEM231 Quantitative Analysis 4	_____
CHEM261 Inorganic Chemistry 4	_____
CHEM326 Organic Chemistry II 4	_____
CHEM332 Instrumental Analysis 4	_____
CHEM341 Environmental Chemistry 4	_____
CHEM351 Introductory Biochemistry 4	_____
CHEM353 Introductory Toxicology 3	_____
CHEM361 Physical Chemistry I 4	_____
CHEM363 Physical Chemistry lab 1	_____
EVRN435 Evrn Systems 3	_____

*Complete one of the following math options:*

- \*ENGR140 Linear Algebra 2 \_\_\_\_\_
- AND**
- \*ENGR245 Calculus App. Tech. 3 \_\_\_\_\_
- OR**
- \*MATH152 Calculus II 4 \_\_\_\_\_

### General Education Requirements (25-29 cr.)

- Check if MTA completed*
- ENGL110 First year composition I 3 \_\_\_\_\_
- ENGL111 First year composition II 3 \_\_\_\_\_
- COMM101 Fundamentals Speech 3 \_\_\_\_\_
- Humanities Elective \_\_\_\_\_
- Humanities Elective \_\_\_\_\_
- Social Science elective 3-4 \_\_\_\_\_
- Social Science elective 3-4 \_\_\_\_\_
- Diversity elective 3-4 \_\_\_\_\_
- Natural Science – fulfilled by core requirements
- Mathematics – fulfilled by core requirements

#### **Graduation Criteria include:**

- Residency: 50% of 300/400 courses earned at LSSU
- Total credits in excess of 124, Min.24 Cr. at 300/400 level
- GPA OVERALL & in major, minimum of 2.0

Office use: Dean \_\_\_\_\_