

B.S. Biochemistry Pre-Professional (Effective Fall 2019)

Name _____ ID# _____ Advisor _____

Expected Date of Graduation _____ Chair Approval _____

Chemistry Degree Requirements (48 cr min) Sem.Yr/Grade

| | | |
|-----------------------------------|---|-----------|
| CHEM115 General Chemistry I | 5 | ____/____ |
| CHEM116 General Chemistry II | 5 | ____/____ |
| CHEM225 Organic Chemistry I | 4 | ____/____ |
| CHEM231 Quantitative Analysis | 4 | ____/____ |
| CHEM261 Inorganic Chemistry | 4 | ____/____ |
| CHEM326 Organic Chemistry II | 4 | ____/____ |
| CHEM332 Instrumental Analysis | 4 | ____/____ |
| CHEM351 Introductory Biochemistry | 4 | ____/____ |
| CHEM353 Introductory Toxicology | 3 | ____/____ |
| CHEM361 Physical Chemistry I | 4 | ____/____ |
| CHEM363 Physical Chemistry Lab | 1 | ____/____ |
| CHEM395 Junior Seminar | 1 | ____/____ |
| CHEM452 Adv. Biochem./Mol. Tech. | 4 | ____/____ |
| CHEM499 Senior Seminar | 1 | ____/____ |

Degree Audit Sheet Directions: Fill in the semester and grade for each course as completed. Two semesters before your intended graduation date this form should be filled in indicating the courses you are then taking, and those you will take in the next semester. Have the form signed and submit to the Fletcher Center with your Declaration of Candidacy form. You must have a signed Course Substitution/Waiver Form for any deviations from the audit below – see your advisor for this form.

For American Chemical Society certified degree, additionally required:

CHEM495 Senior Project 2 _____/____

See Department Chair for special rules regarding ACS certification



AMERICAN CHEMICAL SOCIETY

Biology Courses (16 credits)

| | | |
|------------------------------------|---|-----------|
| BIOL131 General Biology: Cells | 4 | ____/____ |
| BIOL132 General Biology: Organisms | 4 | ____/____ |
| BIOL220 Genetics | 4 | ____/____ |
| Any BIOL 400 level course | 4 | ____/____ |

Support Courses (20 credits)

| | | |
|------------------------------------|---|-----------|
| •USEM101 University Seminar | 1 | ____/____ |
| •BUSN211 Business Statistics | 3 | ____/____ |
| or | | |
| •MATH207 Princ of Statistical Meth | 3 | ____/____ |
| •MATH151 Calculus I | 4 | ____/____ |
| •MATH152 Calculus II | 4 | ____/____ |
| •PHYS231 Applied Physics I | 4 | ____/____ |
| •PHYS232 Applied Physics II | 4 | ____/____ |

General Education (25 credits minimum)

| | | | | | |
|--------------------------|---|-----------|----------------------------|---|-----------|
| ENGL 110 First-Year Comp | 3 | ____/____ | ENGL111 First-Year Comp II | 3 | ____/____ |
| Approved Social Science* | 3 | ____/____ | Approved Social Science* | 3 | ____/____ |
| HUMN251 Humanities I | 4 | ____/____ | Approved Humanities* | 3 | ____/____ |
| COMM101 Speech | 3 | ____/____ | Approved Social Diversity* | 3 | ____/____ |

*Consult list for approved courses

General Electives credits must be completed for a minimum of 124 total credits (16 credits)

-----Office Use Only-----

____ At MINIMUM of 124 total credits
 ____ 2.0 GPA Overall ____ 2.0 GPA in major

Dean

Date

Effective Date: Fall 2019

Typical B.S. Biochemistry Pre-Professional Sequence ACS Certified Degree (124 Credits Minimum)

| | |
|---|--|
| <u>Fall Freshman</u> USEM101 University Seminar (1) CHEM115 General Chemistry I (5) MATH151 Calculus I (4) BIOL131 General Biology: Cells (4) *ENGL110 First-Year Composition I (3) Total: <u>17</u> *(If Pre-Pharm: Consider BIOL121) (Fall) | <u>Spring Freshman</u> CHEM116 General Chemistry II (5) MATH152 Calculus II (4) BUSN211 Business Statistics (3) (or MATH207 Principles Of Statistics (3)) *ENGL111 First-Year Composition II (3) Total: <u>15</u> *(If Pre-Pharm: Consider BIOL122) (Spring) |
| <u>Fall Sophomore</u> CHEM225 Organic Chemistry I (4) CHEM231 Quantitative Analysis (4) (Fall) BIOL220 Genetics (4) (Fall) PHYS231 Applied Physics I (4) (Fall) Total: <u>16</u> | <u>Spring Sophomore</u> CHEM326 Organic Chemistry II (4) (Spring) CHEM261 Inorganic Chemistry (4) (Spring) BIOL132 General Biology: Organisms (4) PHYS232 Applied Physics II (4) (Spring) Total: <u>16</u> |
| <u>Fall Junior</u> CHEM351 Biochemistry I (4) (Fall) SOCY103 Cultural Diversity (3) HUMN251 Humanities I (4) *General Elective (4) Total: <u>15</u> *(If Pre-Pharm: Consider BIOL204) | <u>Spring Junior</u> CHEM332 Instrumental Analysis (4) (Spring) CHEM395 Junior Seminar (1) (Spring) CHEM353 Toxicology (3) (Spring) Approved Social Science ** (3) General Elective (4) Total: <u>15</u> |
| <u>Fall Senior</u> CHEM361 Physical Chemistry I (4) CHEM363 Physical Chemistry Lab (1) CHEM495 Senior Project (2) COMM101 Fund of Speech Communication (3) General Elective (4) Approved Social Science ** (3) Total: <u>17</u> | <u>Spring Senior</u> CHEM499 Senior Seminar (1) CHEM452 Adv. Biochemical/Mol. Tech. (4) (Spring) BIOL4XX level course (4) General Elective (3) Approved Humanities** (3) Total: <u>15</u> |

** Consult official University list of approved General Education Courses

(Fall) = Course typically only offered Fall semester, some might be alternate years.

(Spring) = Course typically only offered Spring semester, some might be alternate years.