

B.S. Biochemistry Pre-Professional (Effective 2016)

Name _____ ID# _____ Advisor _____

Expected Date of Graduation _____ Chair Approval _____

Chemistry Degree Requirements (48 cr min) Sem./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	____/____
CHEM 361 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 (19 credits)

•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)

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____ At MINIMUM of 124 total credits
 ____ 2.5 GPA Overall ____ 2.5 GPA in major

 Dean

 Date

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

<u>Fall Freshman</u> CHEM115 General Chemistry I (5) MATH151 Calculus I (4) BIOL131 General Biology: Cells (4) *ENGL110 First-Year Composition I (3) Total: <u>16</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.