

B.S. Biochemistry Pre-Professional (Effective 2012)

Name _____ ID# _____ Advisor _____

Expected Date of Graduation _____ Chair Approval _____

Chemistry Degree Requirements (44 cr min) Sem./Grade

CHEM115 General Chemistry I	5	____/____
CHEM116 General Chemistry II	5	____/____
CHEM225 Organic Chemistry I	4	____/____
CHEM226 Organic Chemistry II	4	____/____
CHEM231 Quantitative Analysis	4	____/____
CHEM251 Intro. Biochemistry	4	____/____
CHEM261 Inorganic. Chem.	4	____/____
CHEM332 Instrumental Anal.	4	____/____
CHEM353 Introductory Toxicology	3	____/____
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	____/____
CHEM Electives. 300 level or higher	4 cr. min	____/____
		____/____

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 (20 cr.)

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

____ 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 min.)

<u>Fall Freshman</u> CHEM115 General Chemistry I (5) MATH151 Calc. I (4) BIOL131 Gen. Biology: Cells (4) *ENGL110 First-Year Composition I (3) Total: <u>15</u> *(If Pre-Pharm: Consider BIOL121) (Fall)	<u>Spring Freshman</u> CHEM116 General Chemistry II (5) MATH152 Calc. II (4) BUSN211 Business Statistics (3) (or MATH207 Princ. Of Stats. (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) PHYS231 Applied Physics I (4) (Fall) Total: <u>16</u>	<u>Spring Sophomore</u> CHEM226 Organic Chemistry II (4) (Spring) CHEM261 Inorganic Chemistry (4) (Spring) BIOL132 Gen. Biology: Organisms (4) PHYS232 Applied Physics II (4) (Spring) Total: <u>16</u>
<u>Fall Junior</u> CHEM251 Biochemistry I (4) (Fall) CHEM363 Phys. Chem. Lab (1) SOCY103 Cultural Diversity (3) HUMN251 Humanities I (4) *General Elective (4) Total: <u>16</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> CHEM495 Senior Project (2) COMM101 Fund. of Speech Com. (3) BIOL4XX level course (4) General Elective (4) Approved Social Science ** (3) Total: <u>16</u>	<u>Spring Senior</u> CHEM499 Senior Seminar (1) CHEM3XX or Higher Elective (4) CHEM452 Adv. Biochem./Mol. Tech. (4) (Spring) 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 may be alternate years.

(Spring) = course typically only offered Spring semester, some may be alternate years.