

PETREE COLLEGE OF ARTS & SCIENCES
Four Year Plan (124 CHs total) *
Bachelor of Science (B.S.) in BIOCHEMISTRY

GENERAL EDUCATION

First Year – Fall Semester	✓	First Year – Spring Semester	✓
General Chemistry I (CHEM 1104) <input type="checkbox"/> General Chemistry I Lab (CHEM 1141) <input type="checkbox"/> Fundamentals of Biology (BIOL 1214) <input type="checkbox"/> English Composition I <input type="checkbox"/> Liberal Arts Seminar <input type="checkbox"/> Total: 15-16 CHs		General Chemistry II (CHEM 1204) <input type="checkbox"/> General Chemistry II Lab (CHEM 1241) <input type="checkbox"/> English Composition II <input type="checkbox"/> General education course(s) <input type="checkbox"/> Total: 15-16 CHs	
Second Year – Fall Semester	✓	Second Year – Spring Semester	✓
Organic Chemistry I + Lab (CHEM 3103, 3141) <input type="checkbox"/> Genetics (BIOL 3003) <input type="checkbox"/> Calculus I (MATH 2004) <input type="checkbox"/> General education course(s) <input type="checkbox"/> Total: 15-16 CHs		Organic Chemistry II (CHEM 3203) <input type="checkbox"/> Organic Chemistry II Lab (CHEM 3241) <input type="checkbox"/> Biology Elective 3-4000, 4 CHs (not 3103) <input type="checkbox"/> Inorganic Chemistry (CHEM 3303) <input type="checkbox"/> Calculus II (MATH 2104) <input type="checkbox"/> Total: 15-16 CHs	
Third Year – Fall Semester	✓	Third Year – Spring Semester	✓
Biochemistry I (BIOL 3714) <input type="checkbox"/> General Physics I + Lab (PHYS 1503, 1541) <input type="checkbox"/> Physical Chemistry I (CHEM 3503, 3541) <input type="checkbox"/> Physical Chemistry I Lab (CHEM 3541) <input type="checkbox"/> General education course(s) <input type="checkbox"/> Total: 15-16 CHs		Biochemistry II (BIOL 4403) <input type="checkbox"/> General Physics II (PHYS 1603) <input type="checkbox"/> General Physics II Lab (PHYS 1641) <input type="checkbox"/> General education course(s) <input type="checkbox"/> Total: 15-16 CHs	
Fourth Year – Fall Semester	✓	Fourth Year – Spring Semester	✓
Biology Elective 3-4000, 4 CHs (not 3103) <input type="checkbox"/> Research (CHEM 4991) <input type="checkbox"/> Quantitative Analysis (CHEM 2303) <input type="checkbox"/> Quantitative Analysis Lab (CHEM 2342) <input type="checkbox"/> General education course(s) <input type="checkbox"/> Total: 15-16 CHs		Capstone (CHEM 4861) <input type="checkbox"/> Molecular Biology (BIOL 4214) <input type="checkbox"/> Inorganic Chemistry (CHEM 3303) <input type="checkbox"/> General education course(s) <input type="checkbox"/> Total: 15-16 CHs	

& MINOR in:	
Courses	CHs

 Advisor Signature MM DD YYYY

 Student Signature MM DD YYYY

✓	Requirements:	BS	BA								
<input type="checkbox"/>	English Composition I (ENGL 1113)	3									
<input type="checkbox"/>	English Composition II (ENGL 1213)	3									
<input type="checkbox"/>	Liberal Arts and Sciences Seminar (LAS 1063)	3									
<input type="checkbox"/>	The Bible and Culture (REL 1003) OR Introduction to World Religions (REL 1513)	3									
<input type="checkbox"/>	Literature: World (ENGL 2603) OR Western (ENGL 2103) OR British (ENGL 2403, 2413, 2703) OR American (ENGL 2713, 2813)	3									
<input type="checkbox"/>	Fine Arts (Any ART, FILM, MUS, THRE, DANC or INDP 1013)	3									
<input type="checkbox"/>	Philosophy/Ethics: PHIL/REL 2213, 2163 OR MGMT 2223 OR PHIL/PHRH 2513 OR PHIL/REL 2703	3									
<input type="checkbox"/>	American/U.S. History (HIST 1003 or HIST 1103) (International Students must take HIST 1113)	3									
<input type="checkbox"/>	American Governance (POLS 1113) (International students must take POLS 1013)	3									
<input type="checkbox"/>	Introduction to Sociology (SOC 2013) OR Introduction to Psychology (PSYC 1113)	3									
<input type="checkbox"/>	Mathematics (MATH 1503, ECON 2123, PSYC 2303 or a higher -level mathematics class)	3									
<input type="checkbox"/>	Methods of Scientific Inquiry (SCI 1003)	3									
<input type="checkbox"/>	Integrated Science Laboratory (SCI 1041) [Not required for those who have passed a 2000 level or above lab science]	1									
<input type="checkbox"/>	<table border="1"> <tr> <td>BS</td> <td>BA</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table> Foreign Language (BS/BFA requires 6 hours; BA requires 12 hours)	BS	BA							6	12
BS	BA										
<input type="checkbox"/>	Cross-Cultural Studies										
<input type="checkbox"/>	Service Learning										
<input type="checkbox"/>	Capstone										
<input type="checkbox"/>	Public Speaking (PHRH 1103)	3									
<input type="checkbox"/>	Laboratory Science (BIOL, CHEM, or PHYS)	4									
<input type="checkbox"/>	International or Diversity (approved courses or study abroad)	3									

* Specific course offerings may vary dependent upon enrollment and faculty availability; courses may not fall in the exact semester listed above.

** This template, of 15-16 CHs per semester, with a 124 CHs total (some dedicated to the Major and some dedicated to General Education), will result in a 4-year degree completion.