

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

GENERAL EDUCATION 25.26

First Year – Fall Semester	✓	First Year – Spring Semester	✓
General Chemistry I (CHEM 1104)	<input type="checkbox"/>	General Chemistry II (CHEM 1204)	<input type="checkbox"/>
General Chemistry I Lab (CHEM 1141)	<input type="checkbox"/>	General Chemistry II Lab (CHEM 1241)	<input type="checkbox"/>
Intro to Bio: Molec, Cells & Physio. (BIOL 1514)	<input type="checkbox"/>		
English Composition I	<input type="checkbox"/>	English Composition II	<input type="checkbox"/>
General education course(s)	<input type="checkbox"/>	General education course(s)	<input type="checkbox"/>
<u>Total: 15-16 CHs</u>		<u>Total: 15-16 CHs</u>	
Second Year – Fall Semester	✓	Second Year – Spring Semester	✓
Organic Chemistry I + Lab (CHEM 3103, 3141)	<input type="checkbox"/>	Organic Chemistry II (CHEM 3203)	<input type="checkbox"/>
Genetics (BIOL 3003)	<input type="checkbox"/>	Organic Chemistry II Lab (CHEM 3241)	<input type="checkbox"/>
Calculus I (MATH 2004)	<input type="checkbox"/>	Biology Elective 3-4000, 4 CHs (not 3103)	<input type="checkbox"/>
		Inorganic Chemistry (CHEM 3303)	<input type="checkbox"/>
General education course(s)	<input type="checkbox"/>	Calculus II (MATH 2104)	<input type="checkbox"/>
<u>Total: 15-16 CHs</u>		<u>Total: 15-16 CHs</u>	
Third Year – Fall Semester	✓	Third Year – Spring Semester	✓
Biochemistry I (BIOL 3714)	<input type="checkbox"/>	Biochemistry II (BIOL 4403)	<input type="checkbox"/>
General Physics I + Lab (PHYS 1503, 1541)	<input type="checkbox"/>	General Physics II (PHYS 1603)	<input type="checkbox"/>
Physical Chemistry I (CHEM 3503, 3541)	<input type="checkbox"/>	General Physics II Lab (PHYS 1641)	<input type="checkbox"/>
Physical Chemistry I Lab (CHEM 3541)	<input type="checkbox"/>		
General education course(s)	<input type="checkbox"/>	General education course(s)	<input type="checkbox"/>
<u>Total: 15-16 CHs</u>		<u>Total: 15-16 CHs</u>	
Fourth Year – Fall Semester	✓	Fourth Year – Spring Semester	✓
Biology Elective 3-4000, 4 CHs (not 3103)	<input type="checkbox"/>	Capstone (CHEM 4861)	<input type="checkbox"/>
Research (CHEM 4991)	<input type="checkbox"/>	Molecular Biology (BIOL 4214)	<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"/>	General education course(s)	<input type="checkbox"/>
<u>Total: 15-16 CHs</u>		<u>Total: 15-16 CHs</u>	

Requirements:	BS	BA										
<input type="checkbox"/> English Composition I (ENGL 1113)		3										
<input type="checkbox"/> English Composition II (ENGL 1213)		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) OR Honors Seminar in Ethics & Lit (ENGL/PHIL 2004H)		3										
<input type="checkbox"/> Fine Arts (Any ART, FILM, MUS, THRE, DANC, INDP 1013, ENGL 2123)		3										
<input type="checkbox"/> Philosophy/Ethics (PHIL/REL 2163, 2213, 2313, 2413, 2613, 2703 OR PHIL/PHRH 2513 OR MGMT 2223)		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 Psychology (PSYC 1113)		3										
<input type="checkbox"/> Mathematics (MATH 1503 or 1603, 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										
<table border="1"> <thead> <tr> <th>BS</th> <th>BA</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table> Foreign Language. - BS/BFA requires 6 hours (2 courses) - BA requires 12 hours (4 courses)	BS	BA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	12
BS	BA											
<input type="checkbox"/>	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>											
<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										

& MINOR in:	
Courses	CHs

 Advisor Signature MM DD YYYY

 Student Signature MM DD YYYY

* 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.