

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

First Year – Fall Semester	✓	First Year – Spring Semester	✓
Orientation to Biology (BIOL 1101) <input type="checkbox"/> Fundamentals of Biology with lab (BIOL 1214) <input type="checkbox"/> General Chemistry I (CHEM 1104) <input type="checkbox"/> General Chemistry I Lab (CHEM 1141) <input type="checkbox"/>  <b>English Composition I</b> <input type="checkbox"/> <b>Liberal Arts Seminar</b> <input type="checkbox"/>  Total: 15-16 CHs		General Zoology with lab (BIOL 2414) <input type="checkbox"/> General Chemistry II (CHEM 1204) <input type="checkbox"/> General Chemistry II Lab (CHEM 1241) <input type="checkbox"/>  <b>English Composition II</b> <input type="checkbox"/> <b>General education course(s)</b> <input type="checkbox"/>  Total: 15-16 CHs	
Second Year – Fall Semester	✓	Second Year – Spring Semester	✓
Genetics (BIOL 3003) <input type="checkbox"/> Organic Chemistry I (CHEM 3103) <input type="checkbox"/> Organic Chemistry Lab (CHEM 3141) <input type="checkbox"/>  <b>General education course(s)</b> <input type="checkbox"/>  Total: 15-16 CHs		General Botany with lab (BIOL 2214) <input type="checkbox"/> Upper-level Biology Elective(s) <sup>2</sup> <input type="checkbox"/> [Optional: Organic Chemistry II + Lab] <sup>2</sup> <input type="checkbox"/>  <b>General education course(s)</b> <input type="checkbox"/>  Total: 15-16 CHs	
Third Year – Fall Semester	✓	Third Year – Spring Semester	✓
General Microbiology with lab (BIOL 3114) <input type="checkbox"/> General Physics I (PHYS 1503) <input type="checkbox"/> General Physics I Lab (PHYS 1541) <input type="checkbox"/> or Univ. Physics I (PHYS 2104) <input type="checkbox"/> and Univ. Physics I Lab (PHYS 2141) <input type="checkbox"/>  <b>General education course(s)</b> <input type="checkbox"/>  Total: 15-16 CHs		Introduction to Biochemistry (BIOL 3103) <input type="checkbox"/> Analysis of Scientific Literature (BIOL 4502) <input type="checkbox"/> [Optional: General Physics II (PHYS 1603) <input type="checkbox"/> and General Physics II Lab (PHYS 1641)] <sup>2</sup> <input type="checkbox"/>  <b>General education course(s)</b> <input type="checkbox"/>  Total: 15-16 CHs	
Fourth Year – Fall Semester	✓	Fourth Year – Spring Semester	✓
Biology Capstone (BIOL 4502) <input type="checkbox"/> Upper-level Biology Elective(s) <sup>2</sup> <input type="checkbox"/>  <b>General education course(s)</b> <input type="checkbox"/>  Total: 15-16 CHs		Upper-level Biology Elective(s) <sup>2</sup> <input type="checkbox"/>  <b>General education course(s)</b> <input type="checkbox"/>  Total: 15-16 CHs	

& 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.

<sup>1</sup>Organic Chemistry II + lab, and General Physics II + lab are not required for this degree plan. However, they are necessary courses for some students in order to fulfill pre-requisites for certain graduate degree programs.

<sup>2</sup>14 CH of 3000- and/or 4000-level BIOL-prefix courses are required for the degree. No more than six credit hours (6 CHs) may be BIOL- prefix Directed Study, Research, and/or Internship courses.

**GENERAL EDUCATION**

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) <b>OR</b> Introduction to World Religions (REL 1513)	3	
<input type="checkbox"/> Literature: World (ENGL 2603) <b>OR</b> Western (ENGL 2103) <b>OR</b> British (ENGL 2403, 2413, 2703) <b>OR</b> 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 <b>OR</b> MGMT 2223 <b>OR</b> PHIL/PHRH 2513 <b>OR</b> 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) <b>OR</b> 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"/> Foreign Language (BS/BFA requires 6 hours; BA requires 12 hours)	6	12
<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	