

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

**GENERAL EDUCATION 24.25**

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

& 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.

✓	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) <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) <b>OR</b> 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 <b>OR</b> PHIL/PHRH 2513 <b>OR</b> 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 <b>OR</b> 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 (2 courses) - BA requires 12 hours (4 courses)	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