

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

**GENERAL EDUCATION**

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 Chemistry II (CHEM 1204) <input type="checkbox"/> General Chemistry II Lab (CHEM 1241) <input type="checkbox"/> Medical Vocabulary (BIOL 2852) <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	✓
Human A & P I (BIOL 2003) <input type="checkbox"/> Human A & P I Lab (BIOL 2041) <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		Human A & P II (BIOL 2103) <input type="checkbox"/> Human A & P II Lab (BIOL 2141) <input type="checkbox"/> Introductory Microbiology (BIOL 2314) <input type="checkbox"/>  <b>General education course(s)</b> <input type="checkbox"/>  Total: 15-16 CHs	
Third Year – Fall Semester	✓	Third Year – Spring Semester	✓
Genetics (BIOL 3003) <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		Introductory Biochemistry (BIOL 3103) <input type="checkbox"/> Analysis of Scientific Literature (BIOL 4502) <input type="checkbox"/> Biology Elective <sup>1</sup> <input type="checkbox"/>  <b>General education course(s)</b> <input type="checkbox"/>  Admissions tests for Medical, Dental, and Pharmacy Schools are typically taken Spring or Summer of Junior year. Some specific Biology and Social Science courses are strongly recommended prior to some of these exams; consult with advisors.  Total: 15-16 CHs	
Fourth Year – Fall Semester	✓	Fourth Year – Spring Semester	✓
Biology Capstone (BIOL 4502) <input type="checkbox"/> Biology Elective <sup>1</sup> <input type="checkbox"/>  <b>General education course(s)</b> <input type="checkbox"/>  Total: 15-16 CHs		Biology Elective <sup>1</sup> <input type="checkbox"/>  <b>General education course(s)</b> <input type="checkbox"/>  Total: 15-16 CHs	

& MINOR in:		CHs
Courses		

\_\_\_\_\_  
 Advisor Signature      MM DD YYYY

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 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) <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	

\* 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>12 CHs of Biology elective courses are required for the degree and may include General Zoology (BIOL 2414), General Botany (BIOL 2214), and/or any 3000- and/or 4000-level BIOL-prefix courses. No more than 6 CH may be BIOL- prefix Directed Study, Research, and/or Internship courses.