

**PETREE COLLEGE OF ARTS & SCIENCES**  
**Three (3) Year Plan - Dual Degree**  
**PRE-ENGINEERING - BIOMED TRACK**

**GENERAL EDUCATION 24.25**

First Year – Fall Semester	✓	First Year – Spring Semester	✓
General Chemistry I (CHEM 1104)	<input type="checkbox"/>	General Chemistry II (CHEM 1104)	<input type="checkbox"/>
General Chemistry I Lab (CHEM 1141)	<input type="checkbox"/>	General Chemistry II Lab (CHEM 1141)	<input type="checkbox"/>
Fundamentals of Biology (BIOL 1214)	<input type="checkbox"/>	Calculus II (MATH 2104)	<input type="checkbox"/>
Calculus I (MATH 2004)	<input type="checkbox"/>		
English Composition I	<input type="checkbox"/>	English Composition II	<input type="checkbox"/>
		General education course(s)	<input type="checkbox"/>
Total: 15-16 CHs		Total: 15-16 CHs	
Second Year – Fall Semester	✓	Second Year – Spring Semester	✓
Genetics (BIOL 3003)	<input type="checkbox"/>	Organic Chemistry II (CHEM 3303)	<input type="checkbox"/>
Organic Chemistry I (CHEM 3203)	<input type="checkbox"/>	Organic Chemistry II Lab (CHEM 3341)	<input type="checkbox"/>
Organic Chemistry I Lab (CHEM 3241)	<input type="checkbox"/>	Ordinary Differential Equations (MATH 3303)	<input type="checkbox"/>
Multivariate Calc (MATH 2203)	<input type="checkbox"/>		
General education course(s)	<input type="checkbox"/>	General education course(s)	<input type="checkbox"/>
			<input type="checkbox"/>
Total: 15-16 CHs		Total: 15-16 CHs	
Third Year – Fall Semester	✓	Third Year – Spring Semester	✓
Biochemistry I (BIOL 3714)	<input type="checkbox"/>	Biochemistry II (BIOL 4403)	<input type="checkbox"/>
University Physics I (PHYS 2104)	<input type="checkbox"/>	University Physics II (PHYS 2204)	<input type="checkbox"/>
University Physics I Lab (PHYS 2141)	<input type="checkbox"/>	University Physics II Lab (PHYS 2241)	<input type="checkbox"/>
Programming I (CSCI 1514)	<input type="checkbox"/>		
General education course(s)	<input type="checkbox"/>	General education course(s)	<input type="checkbox"/>
			<input type="checkbox"/>
Total: 15-16 CHs		Total: 15-16 CHs	
Fourth Year – Fall Semester	✓	Fourth Year – Spring Semester	✓
<b>WASH U. Dual Degree Program</b>		<b>WASH U. Dual Degree Program</b>	
Total: 15-16 CHs		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.

✓	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	