

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

**GENERAL EDUCATION 25.26**

First Year – Fall Semester	✓	First Year – Spring Semester	✓
General Chemistry I (CHEM 1104) General Chemistry I Lab (CHEM 1141) Calculus I (MATH 2004)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	General Chemistry II (CHEM 1104) General Chemistry II Lab (CHEM 1141) Calculus II (MATH 2104)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
English Composition I General education course(s)	<input type="checkbox"/> <input type="checkbox"/>	English Composition II General education course(s)	<input type="checkbox"/> <input type="checkbox"/>
Total: 15-16 CHs		Total: 15-16 CHs	
Second Year – Fall Semester	✓	Second Year – Spring Semester	✓
Approved elective: PHYS, MATH, BIOL, CSCI Organic Chemistry I (CHEM 3203) Organic Chemistry I Lab (CHEM 3241) MATLAB in the Physical Sc (CHEM 2501) Calc & Analytic Geom III (MATH 3404)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Organic Chemistry II (CHEM 3303) Organic Chemistry II Lab (CHEM 3341) Ordinary Differential Equations (MATH 3303)	<input type="checkbox"/> <input type="checkbox"/> <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	✓
University Physics I (PHYS 2104) University Physics I Lab (PHYS 2141) Programming I (CSCI 1514)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	University Physics II (PHYS 2204) University Physics II Lab (PHYS 2241) Physical Chemistry I (CHEM 3503) <i>or</i> Thermodynamics (PHYS 3203)	<input type="checkbox"/> <input type="checkbox"/> <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</b>		<b>WASH U Dual-Degree</b>	
Total: 15-16 CHs		Total: 15-16 CHs	

✓	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) <i>OR</i> Introduction to World Religions (REL 1513)		3
<input type="checkbox"/>	Literature: World (ENGL 2603) <i>OR</i> Western (ENGL 2103) <i>OR</i> British (ENGL 2403, 2413, 2703) <i>OR</i> American (ENGL 2713, 2813) <i>OR</i> 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 <i>OR</i> PHIL/PHRH 2513 <i>OR</i> 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 <i>OR</i> 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

& 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.