

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

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 Liberal Arts Seminar	<input type="checkbox"/> <input type="checkbox"/>	English Composition II General education course(s)	<input type="checkbox"/> <input type="checkbox"/>
<u>Total: 15-16 CHs</u>		<u>Total: 15-16 CHs</u>	
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) Multivariate Calc (MATH 2203)	<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"/>
<u>Total: 15-16 CHs</u>		<u>Total: 15-16 CHs</u>	
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"/>
<u>Total: 15-16 CHs</u>		<u>Total: 15-16 CHs</u>	
Fourth Year – Fall Semester	✓	Fourth Year – Spring Semester	✓
WASH U Dual-Degree		WASH U Dual-Degree	
<u>Total: 15-16 CHs</u>		<u>Total: 15-16 CHs</u>	

& MINOR in:	
Courses	CHs

 Advisor Signature MM DD YYYY

 Student Signature MM DD YYYY

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) <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)	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 <i>OR</i> MGMT 2223 <i>OR</i> PHIL/PHRH 2513 <i>OR</i> 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) <i>OR</i> 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.