

PETREE COLLEGE OF ARTS & SCIENCES
Three (3) Year Plan - Dual Degree
PRE-ENGINEERING - ELECTRICAL 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"/>
Total: 15-16 CHs		Total: 15-16 CHs	
Second Year – Fall Semester	✓	Second Year – Spring Semester	✓
Approved elective: PHYS, MATH, BIOL, CSCI Multivariate Calc (MATH 2203)	<input type="checkbox"/> <input type="checkbox"/>	Ordinary Differential Equations (MATH 3303) Approved elective: PHYS, MATH, BIOL, CSCI	<input type="checkbox"/> <input type="checkbox"/>
General education course(s)	<input type="checkbox"/> <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) Engineering Mathematics I (MATH 3804)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	University Physics II (PHYS 2204) University Physics II Lab (PHYS 2241) Engineering Mathematics II (MATH 4803) Approved elective: PHYS, MATH, BIOL, CSCI	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
General education course(s)	<input type="checkbox"/> <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	✓
WASH U Dual-Degree		WASH U Dual-Degree	
Total: 15-16 CHs		Total: 15-16 CHs	

& MINOR in:	
Courses	CHs

 Advisor Signature MM DD YYYY

 Student Signature MM DD YYYY

GENERAL EDUCATION

Requirements:	BS	BA										
<input checked="" 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) OR Introduction to World Religions (REL 1513)	3											
<input type="checkbox"/> Literature: World (ENGL 2603) OR Western (ENGL 2103) OR British (ENGL 2403, 2413, 2703) OR 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 OR MGMT 2223 OR PHIL/PHRH 2513 OR 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) OR 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											
<table border="1"> <thead> <tr> <th>BS</th> <th>BA</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table> Foreign Language (BS/BFA requires 6 hours; BA requires 12 hours)	BS	BA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	12
BS	BA											
<input type="checkbox"/>	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>											
<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.