

PETREE COLLEGE OF ARTS & SCIENCES
Three (3) Year Plan - Dual Degree
PRE-ENGINEERING - MECHANICAL 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 Calc & Analytic Geom III (MATH 3404) | <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) Physical Chemistry I (CHEM 3503) <i>or</i> Thermodynamics (PHYS 3203) | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | University Physics II (PHYS 2204) University Physics II Lab (PHYS 2241) Approved elective: PHYS, MATH, BIOL, CSCI 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"/> | General education course(s) | <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 | |

| ✓ | 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.