

PETREE COLLEGE OF ARTS & SCIENCES
Four Year Plan (124 CHs total) *
Bachelor of Science (B.S.) in Mathematics Degree

GENERAL EDUCATION 25.26

| First Year – Fall Semester | ✓ | First Year – Spring Semester | ✓ |
|---|--|--|--|
| Calculus and Analytic Geometry I (MATH 2004) Foundations of Mathematics (MATH 2403) | <input type="checkbox"/> <input type="checkbox"/> | Calculus and Analytic Geometry II (MATH 2104) | <input type="checkbox"/> <input type="checkbox"/> |
| English Composition I (ENGL 1113) General education course | <input type="checkbox"/> <input type="checkbox"/> | English Composition II (ENGL 1213) 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 | ✓ |
| Calculus and Analytic Geometry III (MATH 3403) Probability and Statistics I (MATH 3203) ** | <input type="checkbox"/> <input type="checkbox"/> | Algebraic Structures (MATH 3103) Linear Algebra (MATH 3003) | <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 | ✓ |
| Real Analysis I (MATH 3603) Ordinary Differential Equations (MATH 3303) ** | <input type="checkbox"/> <input type="checkbox"/> | Complex Analysis (MATH 3913) ** Discrete Mathematics (MATH 3503) ** | <input type="checkbox"/> <input type="checkbox"/> |
| General education course(s) Courses toward Minor | <input type="checkbox"/> <input type="checkbox"/> | General education course(s) Courses toward Minor | <input type="checkbox"/> <input type="checkbox"/> |
| Total: 15-16 CHs | | Total: 15-16 CHs | |
| Fourth Year – Fall Semester | ✓ | Fourth Year – Spring Semester | ✓ |
| Numerical Methods (MATH 3703) ** Elective: additional 3000-level MATH, any Physics (2000-level +) or any Computer Science | <input type="checkbox"/> <input type="checkbox"/> | Capstone (MATH 4993) | <input type="checkbox"/> |
| General education course(s) Courses toward Minor | <input type="checkbox"/> <input type="checkbox"/> | General education course(s) Courses toward Minor | <input type="checkbox"/> <input type="checkbox"/> |
| 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) 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) OR 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 OR PHIL/PHRH 2513 OR 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 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 (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.
 ** This template, of 15-16 CHs per semester, with a 124 CHs total (some dedicated to the Major and some dedicated to General Education), will result in a 4-year degree completion.