

B. S. - Mathematics

Suggested Plan of Study

2007-2008 Catalog

| Fall - Semester 1 | | Spring - Semester 2 | |
|--|-----------|---|-----------|
| MATH 1525 Calculus I | 5 | MATH 1545 Calculus II | 5 |
| ENGL 1113 Composition I | 3 | ENGL 1123 Composition II | 3 |
| HIST 1003 or 1013 World History I or II | 3 | Humanities choice (ART 2013, MUS 2013, or Foreign Language) | 3 |
| Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or 2003, or ECON 2103) | 3 | Biological Science Choice/Lab (BIOL 1013/1011, BIOL 1023/1021, BIOL 1033/1031, or BSCI 1013/1011) | 4 |
| GSTD 1002 Freshman Seminar | 2 | | |
| PHED 1501 Activity & Wellness | 1 | | |
| Total Semester Hours | 17 | Total Semester Hours | 15 |
| Fall - Semester 3 | | Spring - Semester 4 | |
| MATH 2563 Calculus III | 3 | Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or 2003, or ECON 2103) | 3 |
| CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab or PHYS 2203/2201 University Physics I/Lab | 4 | CHEM 1113/1111 College Chemistry II/Lab or CHEM 1123/1121 University Chemistry I/Lab or PHYS 2213/2211 University Physics II/Lab | 4 |
| SPCH 1113 Introduction to Public Speaking | 3 | ENGL 2213 World Literature I | 3 |
| Humanities choice (ART 2013, or MUS 2013) | 3 | HIST 2013 or 2023 U.S. History I or II | 3 |
| PHED 1__1 PE Activity | 1 | MATH 2753 Linear Algebra | 3 |
| Total Semester Hours | 14 | Total Semester Hours | 16 |
| Fall - Semester 5 | | Spring - Semester 6 | |
| UL MATH Elective | 3 | MATH 3033 Differential Equations | 3 |
| UL MATH Elective | 3 | MATH 3063 Abstract Algebra | 3 |
| CSCI 2103 Computer Science I | 3 | UL Math Elective | 3 |
| UL Minor Requirement or Elective | 3 | CSCI 2113 Computer Science II or FL | 3 |
| ENGL 2223 World Literature II or PHIL 2403 Introduction to Philosophy | 3 | UL Minor Requirement or Elective | 6 |
| Total Semester Hours | 15 | Total Semester Hours | 18 |
| Fall - Semester 7 | | Spring - Semester 8 | |
| MATH 3083 Principles of Analysis | 3 | UL Electives | 7 |
| UL MATH Elective | 3 | Elective | 4 |
| UL MATH Elective | 3 | UL Minor Requirement or Elective | 3 |
| UL Minor Requirement or Electives | 6 | | |
| | | | |
| Total Semester Hours | 15 | Total Semester Hours | 14 |

Total hours required for major – 124

MATH Electives

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|---|--|
| MATH 4003 College Geometry | MATH 4073 Introduction to Probability & Statistics |
| MATH 4023 Point-Set Topology | MATH 4123 History of Mathematics |
| MATH 4033 Introduction to Complex Variables | MATH 4613 Special Topics |
| MATH 4043 Numerical Analysis | |

Note: If student chooses Foreign Language as his Humanities choice, then student may choose between CSCI 2113 or Foreign Language in semester (6) six.