## Mathematics

## Degree Type

Bachelor of Arts

## Objective:

This program is for students who wish to pursue a liberal arts degree with specialization in mathematics.
Administrator: Chair, Department of Mathematics and Computer Science
Requirements: 48-51 credits including at least 35 in mathematics of which 24 shall be upper division courses numbered 3000 or above. Completion of core courses plus Option A or Option B is required.

## Core Courses: $\mathbf{3 5}$ credits

Item \#

| COMP1220 | Intre | Credits |
| :--- | :--- | :--- |
| MATH2310 | Discrete Mathematics | 3 |
| MATH2510 | Calculus I | 3 |
| MATH2520 | Calculus II | 4 |
| MATH3240 | Probability and Statistics I | 4 |
| MATH3310 | Methods of Proof | 3 |
| MATH3320 | Linear Algebra | 3 |
| MATH3530 | Calculus III | 3 |
|  | MATH3540 or MATH4510 | 4 |
| MATH4320 | Modern Algebra I | 4 |

## Option A: 13 credits

| Item \# |
| :--- |
| Title |
| MATH3280 Modeling and Operations Research Credits <br>  MATH3560 or MATH3250 3 <br> COMP2220 Computer Programming I 3 <br> COMP2220L Computer Programming I Laboratory 1 <br> COMP2750 Data Structures 3 |

Option B: 16 credits

| Item \# | Title | Credits |
| :--- | :--- | :--- |
| MATH3280 Modeling and Operations Research 3 <br>  PHYS1110/PHYS1110L or PHYS2110/PHYS2110L 4 <br>  Nine credits of approved business/economics courses 9 |  |  |

In addition to the above requirements, the student is required to complete a written subject examination in the field of mathematics, e.g., ETS Major Field Test for Mathematics or GRE Subject Test for Mathematics. For Math Education/Math double majors, the Praxis exam can be used in place of the ETS exam.

Students who plan on graduate study are advised to acquire a reading knowledge of German or French.

