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## BACHELOR OF SCIENCE MATHEMATICS

| GENERAL EDUCATION REQUIREMENTS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Competencies |  |  |  |  |  |
| $\square$ - Basic College Math |  |  |  |  |  |
| $\square$ - Reading Comprehension |  |  |  |  |  |
| *General Education Categories (34-35 credits total) |  |  |  |  |  |
| -FYS | First Year S | inar |  | 3 |  |
| *W-I | Written Com | unication - Level I |  | 3 |  |
| +OC | Oral Commu | cation |  | 3 |  |
| PGR | Personal Gror | th \& Responsibility |  | 3 |  |
| CEA | Creative Ex | ession \& Appreciation |  | 3 |  |
| WC | World Cultu |  |  | 3 |  |
| HP | The Human |  |  | 3 |  |
| CS | Contempora | Society |  | 3 |  |
| SR | Scientific | \# Any SR course |  | 3-4 |  |
|  | Reasoning: | \# SR Lab course |  | 4 |  |
| QR | Quantitative | easoning |  | 3 |  |
| $\ddagger$ Written Communication (Level II and Level III) |  |  |  |  |  |
| W-II | Written Com | unication - Level II |  | $\square$ |  |
| W-III | Written Com | unication - Level III |  | $\square$ |  |

Free Electives/Minor (48 credits minimum)
May be necessary to take additional credits to attain the minimum 120 credits required for graduation depending on choices made for general education or


## COURSES IN MAJOR (37 credits total)

Major Core Courses ( $\mathbf{2 8}$ credits)

| MAT | 218 | Intro. to Mathematical <br> Computing | 1 |  |
| :--- | :---: | :--- | :---: | :---: |
| MAT | 220 | Calculus I | 4 |  |
| MAT | 221 | Calculus II | 4 |  |
| MAT | 234 | Intro. to Mathematical Proof | 3 |  |
| MAT | $303 A$ | Abstract Algebra I | 3 |  |
| MAT | $304 A$ | Linear Algebra | 3 |  |
| MAT | 320 | Calculus III | 4 |  |
| MAT | 411 | Real Analysis | 3 |  |
| MAT | 490 | Senior Sem. In Mathematics | 3 |  |

Major Electives ( 9 credits minimum)

| (Three courses numbered above 300 with at most 3 credits |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| from MAT572.) |  |  |  |  |
| MAT |  |  |  |  |
| MAT |  |  |  |  |
| MAT |  |  |  |  |

(The above major courses must satisfy one of the following sequences.)

| Algebra sequence | MAT303A, MAT306 or 403 |
| :--- | :--- |
| Analysis sequence | MAT409, MAT411 or 412 |
| Discrete Mathematics <br> sequence | MAT314, MAT316 |
| Geometry sequence | MAT406, MAT412 |
| Probability \& Statistics <br> sequence | MAT407, MAT417 |

Note: A course may count as both a major core course and as part of a sequence.

- Students may choose to use support courses to satisfy general education categories, but may not be required to do so. Note: If a course is used to satisfy two or more requirements (for example, a support course and Scientific Reasoning requirement), the credits are counted in only one place. Using a course to satisfy more than one requirement does not reduce the credit total required for graduation.

Courses used to satisfy the general education requirements of the university must be taken from a minimum of six different academic disciplines. First Year Seminar and Level I Written Communications courses are exempt from this restriction. Courses may not be used to fulfill both major discipline and
general education requirements.
\# These Scientific Reasoning General Education Category courses do not have to be a sequence or be from the same discipline.
$\neq \quad$ Level II and Level III Written Communications Courses may be used to satisfy requirements anywhere else in a student's program of study where they may apply. The credits are counted only in one area.

- COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS
- GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

