

2023-2024

B.A. or B.S. MATHEMATICS



GRACE CORE (39 credits)

Students will integrate faith and learning across disciplines, demonstrate foundational knowledge and ways of knowing, cultivate characteristics of maturity in relationships with God, others, self, and the world, and apply knowledge to all aspects of life through intellectual and practical skills.

1000-Level Courses

First-Year Learning Communities

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|----------|--------------------------------------|---|---|
| FYE 1000 | First-Year Foundations | 3 | @ |
| BIB 1050 | Exploring the Bible | 3 | |
| PSY 1200 | Essentials of Behavioral Science | 3 | |
| HIS 1050 | Current Issues in Historical Context | 3 | @ |

First-Year Learning Competencies

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|----------|-------------------|---|--|
| ENG 1100 | Effective Writing | 3 | |
| COM 1100 | Public Speaking | 3 | |

2000-Level Courses

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|-------------|---------------------------------|---|
| HUM 2100 | Creative Arts & Culture | 3 |
| HUM 2000 | Global Perspectives | 3 |
| SCI 2030 | Faith, Science, & Reason | 3 |
| HUM 2010-30 | Cross-Cultural Field Experience | 0 |
| BIB 2010 | Scripture and Interpretation | 3 |

3000-Level Courses

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|----------|------------------------------------|---|
| ECN 3000 | Consumer Economics | 3 |
| PHI 3010 | Christianity and Critical Thinking | 3 |
| BIB 3300 | Essential Doctrinal Themes | 3 |

ADDITIONAL GENERAL EDUCATION--B.A. or B.S. DEGREE (6 credits)

Satisfies B.S. Degree

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|-----------|--|---|
| MAT 1000+ | Any Math (1000 Level and Above) | 3 |
| | Any Science/Social Science with the following course prefix: | 3 |
| | PSY, SOC, BHS, ECN, CSI, HIS, POS, GEO | |

Satisfies B.A. Degree

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|---------|-----------------------------------|---|
| FRE/SPA | Proficiency in Language & Culture | 6 |
| GRE/HEB | French, Spanish, Greek, Hebrew | |

THE MAJOR (47-48 credits)

MATH AND SCIENCE COURSES (45 credits)

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|------------|----------------------------------|---|---|
| ISM 1150 | Introduction to Computer Science | 3 | @ |
| MAT 1230 | Calculus I | 4 | @ |
| MAT 1240 | Calculus I Lab | 0 | |
| @ MAT 1250 | Calculus II | 3 | |
| @ MAT 2250 | Calculus III | 3 | |
| MAT 2100 | Introduction to Proofs | 3 | |
| MAT 2200 | Discrete Mathematics | 3 | |
| @ MAT 2280 | Differential Equations | 3 | |
| @ MAT 3130 | Linear Algebra | 3 | |
| @ MAT 4020 | Senior Seminar in Mathematics | 3 | |
| PHY 2240 | University Physics I | 4 | |
| PHY 2250 | University Physics Lab I | 0 | |
| MAT 4930 | Mathematics Internship | 3 | |

Choose one of the following:

| | | |
|----------|------------------|---|
| MAT 4140 | Abstract Algebra | 3 |
| MAT 4280 | Real Analysis | 3 |

Choose two of the following:

| | | |
|----------|---------------------------|---|
| MAT 3280 | College Geometry | 3 |
| MAT 3930 | Independent Study in Math | 3 |
| MAT 4140 | Abstract Algebra | 3 |
| MAT 4200 | Probability Theory | 3 |
| MAT 4280 | Real Analysis | 3 |
| MAT 4320 | Mathematical Statistics | 3 |
| MAT 4830 | Research in Mathematics | 3 |

Choose one of the following:

| | | |
|---------------|-----------------------------|---|
| PHY 2260/2270 | University Physics II/Lab | 4 |
| ISM 2150 | Object-Oriented Programming | 3 |
| BUS 3050 | Business Spreadsheet App | 3 |

GRADUATION REQUIREMENTS

To receive a degree, each student must satisfy checklist requirements, earn 120 credit hours, have a 2.2 GPA in major courses, and a GPA of 2.0 overall. It is the student's responsibility to work with his/her advisor and monitor progress toward these goals. Some majors and/or minors may have more stringent guidelines.

IS A MINOR REQUIRED WITH THIS MAJOR? YES

**CHECKSHEET TOTAL CREDITS: 92-93
TOTAL CREDITS NEEDED TO GRADUATE: 120**

† Indicates a course taught by a partner college/university.

@ Indicates a course with prerequisites. Please review catalog for prerequisites.