

## Degree: B.S.

## **Major: Applied Mathematics**

| COMMON CO   | RE (27 hours)   | Credit |
|---|---|--------|
|   | ne following courses.   | Hours  |
| CORE 1002   | OBU Connections <sup>†</sup>  | 2      |
| CORE 1023   | The Contemporary World  | 3      |
| CORE 1043   | Composition I   | 3      |
| CORE 1113   | Survey of the Bible   | 3      |
| CORE 1123   | Interpreting the Bible  | 3      |
| CORE 2233   | World Literature  | 3      |
| CORE 2243   | History of World Societies  | 3      |
| CORE 2334   | Scientific Inquiry  | 4      |
| Prerequisite: Comple  | etion of the Analytic & Quantitative Reasoning Requirement.   |        |
| CORE 3023   | Scientific Connections  | 3      |
| Prerequisite: CORE  | 2334 Scientific Inquiry   | -      |
| FLEXIBLE CO   | DRE (17-18 hours)   |        |
|   | ed from each of the seven categories.   |        |
|   | antitative Reasoning (Satisfied by major)   |        |
|   | PI less than 80 must take one of the MATH courses.  |        |
| MATH 1003   | College Algebra   | •      |
| MATH 1033   | Mathematics for the Liberal Arts  | 0      |
| PHIL 1003   | Introduction to Philosophy  |        |
| PHIL 1023   | Logic   |        |
| Applied Skills  |   |        |
| COMM 1003   | Fundamentals of Public Speaking   | 3      |
| FINN 2003   | Personal Finance  |        |
| Artistic Enga   | gement (Choose one)   |        |
| May be satisfied by p   | articipation in the European Study Program.   |        |
| FINA 3113   | Fine Arts: Art  | 3      |
| FINA 3123   | Fine Arts: Music  |        |
| FINA 3133   | Fine Arts: Theatre  |        |
| <b>Civic Engage</b>   | ment in America (Choose one)  |        |
| PSCI 2013   | American National Government  | 3      |
| HIST 2003   | United States History to 1877   |        |
| HIST 2013   | United States History Since 1877  |        |
| Intercultural /   | Appreciation and Communication <sup>†</sup> (Choose two)  |        |
| Two semesters   | of credit in the same foreign language. May also be   | 6      |
| satisfied by app  | roved language-intensive study-abroad experience.   |        |
| Physical Well   | -being (One course)   |        |
| KIN 1002  | Concepts of Wellness  | 2-3    |
| KIN 2073  | Health and Safety   |        |
| KIN 2013  | Outdoor Leisure Pursuits  |        |
| <b>EXPERIENTIA</b>  | AL CORE (1 hour)  |        |
|   | Chapel (7 credits required)   | 0      |
| CHAP 1000   |   |        |
| CHAP 1000<br>FINA 4011  | Arts Engagement Series  | 1      |
| FINA 4011   | Arts Engagement Series  |        |
| FINA 4011<br>Total Core Re  | Arts Engagement Series  | 45-46  |
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| FINA 4011<br>Total Core Re<br><sup>†</sup> For more detail, r   | Arts Engagement Series<br>equirements<br>efer to the School of Interdisciplinary Studies section of the ca  | 45-46  |
| FINA 4011<br>Total Core Re<br><sup>†</sup> For more detail, r<br>GENERAL GF   | Arts Engagement Series<br>equirements<br>efer to the School of Interdisciplinary Studies section of the ca<br>RADUATION REQUIREMENTS  | 45-46  |
| FINA 4011<br>Total Core Re<br><sup>†</sup> For more detail, r<br>GENERAL GF<br>7 Chapel Credits   | Arts Engagement Series<br>equirements<br>efer to the School of Interdisciplinary Studies section of the ca<br>RADUATION REQUIREMENTS<br>s, or 1 per semester for transfer students  | 45-46  |
| FINA 4011<br>Total Core Re<br><sup>†</sup> For more detail, r<br>GENERAL GR<br>7 Chapel Credits<br>2.000 minimum  | Arts Engagement Series<br>equirements<br>efer to the School of Interdisciplinary Studies section of the ca<br>RADUATION REQUIREMENTS<br>s, or 1 per semester for transfer students<br>GPA (overall, OBU, major, and minor)  | 45-46  |
| FINA 4011<br>Total Core Re<br><sup>†</sup> For more detail, r<br>GENERAL GF<br>7 Chapel Creditt<br>2.000 minimum<br>At least 24 hours                     | Arts Engagement Series<br>equirements<br>efer to the School of Interdisciplinary Studies section of the ca<br>RADUATION REQUIREMENTS<br>s, or 1 per semester for transfer students<br>GPA (overall, OBU, major, and minor)<br>s with grades of C or higher in the major | 45-46  |
| FINA 4011<br>Total Core Re<br><sup>†</sup> For more detail, r<br>GENERAL GF<br>7 Chapel Credits<br>2.000 minimum<br>At least 24 hours<br>Jr./Sr. Hours: A | Arts Engagement Series<br>equirements<br>efer to the School of Interdisciplinary Studies section of the ca<br>RADUATION REQUIREMENTS<br>s, or 1 per semester for transfer students<br>GPA (overall, OBU, major, and minor)  | 45-46  |

| MAJOR   |   | Credit<br>Hours |
|---|---|-----------------|
| MATH 1103   | Introduction to Cryptology  | 3               |
| MATH 2014   | Calculus I  | 4               |
| MATH 2024   | Calculus II   | 4               |
| MATH 2343   | Fundamentals of Mathematical Proof  | 3               |
| MATH 3034   | Calculus III  | 4               |
| MATH 3053   | Abstract Algebra I  | 3               |
| MATH 3093   | Linear Algebra  | 3               |
| MATH 3043   | Differential Equations or   | 2               |
| MATH 3063   | Probability and Statistics  | 3               |
| MATH ¾3   | Jr./srlevel MATH elective   | 3               |
| MATH ¾3   | Jr./srlevel MATH elective   | 3               |
| MATH 4463   | Mathematical Scholarship  | 3               |
| TOTAL   |   | 36              |
| ADDITIONAL  | AREA REQUIREMENTS   |                 |
| CSCI 1044   | Programming I   | 4               |
| CHEM 1004   | General Chemistry I <u>or</u>   | 4               |
| PHYS 2054   | University Physics I  |                 |
| TOTAL   |   | 8               |
|   | nor must be completed in biology, chemistry,<br>nce, or physics. (See specific requirements.) | 18+             |
| <b>ELECTIVES</b> : Choose courses to total 120 hours, including 39 Jr/Sr-level hours. |   | 12-13           |
|   | CREDIT HOUR SUMMARY   |                 |
| CORE  |   | 45-46           |
| MAJOR   |   | 36              |
|   | ADDITIONAL AREA REQUIREMENTS  |                 |
|   | _ AREA REQUIREMENTS   | 8               |
|   | AREA REQUIREMENTS   | 8<br>18         |
| ADDITIONAL  | AREA REQUIREMENTS   | •               |