**General Education Core Requirements (45)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
| FYE 101 First Year Experience | 1 |  |  |
| FYE 102 or approved substitute | 1 |  |  |
| ENG 101/101E | 3 |  |  |
| ENG 102/103 | 3 |  |  |
| ENG 201, 202, 203, 204, 205, 206, or 210 | 3 |  |  |
| HIS 111, 112, 201 or 202 | 3 |  |  |
| REL 101, 102, 201, 202, or 241 | 3 |  |  |
| Fine Art (3 hours selected from  ART 121, ART 131, ART 143, ART 211, ART 251, MUS 231, MUS 233, MUS 235, MUS 236, or ENG/DRA 131) | 3 |  |  |
| Additional Humanities (Choose an additional course from the Literature, History, Religion/Philosophy, or Fine Arts choices) | 3 |  |  |
| ENG/COMM 221 | 3 |  |  |
| MAT 142 | 4 |  |  |
| Natural Science (8 hours selected from  BIO 111/115, BIO 112/116, BIO 114, CHE 111, CHE 112, PHY 101, PHY 102, PHY 105, PHY 241, PHY 242, PHY 251, or PHY 252) | 4 |  |  |
| Natural Science | 4 |  |  |
| HPPE \_\_\_\_\_\_ | 1 |  |  |
| Social Sciences PSY 113, SOC 211, BUS 201, BUS 202, or HIS 221 | 3 |  |  |
| **For B.S. Degree**  CS 110 | 3 |  |  |

**Required Mathematics Courses (24)**

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| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
| MAT 231  Statistics | 3 |  |  |
| MAT 235  Linear Algebra | 3 |  |  |
| MAT 241  Calculus II | 4 |  |  |
| MAT 242  Calculus III | 4 |  |  |
| MAT 261  Differential Equations | 3 |  |  |
| MAT 271  Intro to Mathematical Modeling | 3 |  |  |
| MAT 350  Foundations of Mathematics | 3 |  |  |
| MAT 490  Mathematics Tutorial | 1 |  |  |
| MAT 491  Mathematics Thesis | 2 |  |  |

**Mathematics Electives (15)**

Choose from the following (must include a 400-level course): MAT 330, MAT 370, MAT 385, MAT 390, MAT 420, MAT 430, or MAT 440

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| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
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**Electives Courses (33)**

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| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
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**Total Hours Required for Degree (120)**

**Recommended Four-Year Plan**

**FRESHMAN YEAR**

**Fall Semester (17)**

CS 110 (3)

FYE 101 (1)

ENG 101 (3)

MAT 142 (4)

Fine Arts Core (3)

Religion/Philosophy Core (3)

**SOPHOMORE YEAR**

**Fall Semester (15)**

MAT 242 (4)

MAT 271 (1)

Natural Science Core (4)

MAT 235 (3)

Literature Core (3)

**JUNIOR YEAR**

**Fall Semester (13)**

Mathematics Elective (3)

HPPE Activity Course (1)

MAT 4xx (3)

Elective (3)

Upper Level Elective (3)

**SENIOR YEAR**

**Fall Semester (13)**

Mathematics Elective (3)

Mathematics Elective (3)

Upper Level Elective (3)

Elective (3)

MAT 490 (1)

**Spring Semester (17)**

FYE 102 (1)

ENG 102 (3)

MAT 241 (4)

MAT 231 (3)

History Core (3)

Behavioral/Social Science Core (3)

**Spring Semester (16)**

COMM 221 (3)

Natural Science Core (4)

Humanities Core (3)

MAT 261 (3)

MAT 350 (3)

**Spring Semester (15)**

Mathematics Elective (3)

Upper Level Elective (3)

Upper Level Elective (3)

Elective (3)

Elective (3)

**Spring Semester (14)**

Mathematics Elective (3)

Upper Level Elective (3)

Upper Level Elective (3)

Elective (3)

MAT 491 (2)