**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 110, BIO 111/115, BIO 112/116, 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 (23)**

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

**Applied Mathematics Elective (3)**

Choose one of the following:

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
| MAT 340 Intro to Num Analysis or MAT 375 Math Modeling & App  | 3 |   |   |

**Mathematics Electives (18)**

Choose from the MAT courses numbered 300 or above, except for MAT 498 (must include a 400-level course: MAT 420, MAT 430, or MAT 440)

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |

**Electives Courses (31)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |

**Total Hours Required for Degree (120)**

**Recommended Four-Year Plan**

**FRESHMAN YEAR**

**Fall Semester (14)**

CS 110 (3)

FYE 101 (1)

ENG 101 (3)

MAT 142 (4)

Fine Arts Core (3)

**SOPHOMORE YEAR**

**Fall Semester (17)**

MAT 242 (4)

MAT 235 (3)

Literature Core (3)

Natural Science Core (4)

Religion/Philosophy Core (3)

**JUNIOR YEAR**

**Fall Semester (15)**

Mathematics Elective (3)

MAT 420, MAT 430, or MAT 440 (3)

Humanities Core (3)

General Elective (3)

Upper Level Elective (3)

**SENIOR YEAR**

**Fall Semester (14)**

MAT 490 (1)

Mathematics Elective (3)

Mathematics Elective (3)

Upper Level Elective (3)

General Elective (4)

**Spring Semester (15)**

FYE 102 (1)

ENG 102 (3)

MAT 241 (4)

MAT 231 (3)

History Core (3)

 HPPE Activity Course (1)

**Spring Semester (16)**

COMM 221 (3)

MAT 261 (3)

MAT 350 (3)

Natural Science Core (4)

Behavioral/Social Science Core (3)

**Spring Semester (15)**

Applied Mathematics Elective (3)

Upper Level Elective (3)

Upper Level Elective (3)

General Elective (3)

General Elective (3)

**Spring Semester (14)**

MAT 491 (2)

Mathematics Elective (3)

Upper Level Elective (3)

Upper Level Elective (3)

General Elective (3)