**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 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 Gen Ed options) | 3 |  |  |
| ENG/COMM 221 | 3 |  |  |
| MAT 142 | 4 |  |  |
| PHY 241 or 251 | 4 |  |  |
| PHY 242 or 252 | 4 |  |  |
| HPPE \_\_\_\_\_\_ | 1 |  |  |
| Social Sciences PSY 113, SOC 211, BUS 201, BUS 202, or HIS 221 | 3 |  |  |
| **For B.S. Degree**  MIS 220 | 3 |  |  |

**Required Chemistry Courses (35-37)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
| CHE 111  General Chemistry I | 4 |  |  |
| CHE 112  General Chemistry II | 4 |  |  |
| CHE 211  Organic Chemistry I | 4 |  |  |
| CHE 212  Organic Chemistry II | 4 |  |  |
| CHE 311  Analytical Chemistry | 4 |  |  |
| CHE 411  Biochemistry I | 3 |  |  |
| CHE 412  Biochemistry II | 3 |  |  |
| CHE 413  Biochemistry Methods | 3 |  |  |
| CHE 421  Physical Chem I | 4 |  |  |
| CHE 480  Seminar | 1 |  |  |
| CHE 490 or 491  Senior Research or Prospectus Capstone | 1-3 |  |  |

**Chemistry Electives (6)**

Choose from the following: CHE 312, CHE 322, CHE/BIO 345, CHE 395, CHE 422, or CHE 495)

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

**Other Required Courses (24)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
| BIO 111/115  General Biology I | 4 |  |  |
| BIO 112/116  General Biology II | 4 |  |  |
| BIO 301  Genetics | 4 |  |  |
| BIO 331  Cell Biology | 4 |  |  |
| BIO 361  Biology of Microorganisms | 4 |  |  |
| MAT 241  Calculus II | 4 |  |  |

**Electives Courses (8-10)**

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

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

**Recommended Four-Year Plan**

**FRESHMAN YEAR**

**Fall Semester (16)**

FYE 101 (1)

ENG 101 (3)

CHE 111 (4)

BIO 115 (4)

HPPE Activity (1)

MIS 220 (3)

**SOPHOMORE YEAR**

**Fall Semester (15)**

HPPE Activity (1)

CHE 211 (4)

MAT 142 (4)

History Core (3)

COMM 221 (3)

**JUNIOR YEAR**

**Fall Semester (14)**

CHE 311 or CHE 421 (4)

CHE 411 (3)

PHY 252 or BIO 361 (4)

Upper Level Elective (3)

**SENIOR YEAR**

**Fall Semester (15)**

BIO 301 (4)

Behavioral/Social Science Core (3)

CHE 421 or BIO 361 (4)

CHE 311 or PHY 252 (4)

**Spring Semester (15)**

FYE 101 (1)

ENG 102 (3)

CHE 112 (4)

BIO 116 (4)

REL 241 (3)

**Spring Semester (15)**

MAT 241 (4)

CHE 212 (4)

PHY 251 or Elective (4)

Literature Core (3)

**Spring Semester (16)**

CHE 413 (3)

CHE Elective (3)

Fine Arts Core (3)

CHE 412 or Upper Level Elective (3)

PHY 251 or Upper Level Elective (4)

**Spring Semester (14)**

CHE 480 (1)

BIO 331 (4)

CHE 490 (3)

Humanities Core (3)

CHE 412 or Upper Level Elective (3)