**General Education Core Requirements (46)**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 141 | 5 |  |  |
| CHE 111 | 4 |  |  |
| CHE 112 | 4 |  |  |
| HPPE \_\_\_\_\_\_ | 1 |  |  |
| Social Sciences PSY 113, SOC 211, BUS 201, BUS 202, or HIS 221 | 3 |  |  |
| **For B.S. Degree**  MIS 110, 220, or CS 110 | 3 |  |  |

**Required Chemistry Courses (8)**

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| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
| CHE 211  Organic Chemistry I | 4 |  |  |
| CHE 212  Organic Chemistry II | 4 |  |  |

**Required Biology Courses (14)**

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| --- | --- | --- | --- |
| **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 310  Biology Seminar | 2 |  |  |

**Biomedical Sciences and Biotechnology Emphasis (20)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
| BIO 331  Cell Biology | 4 |  |  |
| BIO 361  Biology of Microorganisms | 4 |  |  |
| CHE 411  Biochemistry | 3 |  |  |
| CHE 412  Biochemistry II | 3 |  |  |
| CHE 413  Biochemistry Methods | 3 |  |  |
| BIO 444 or 498 | 3 |  |  |

**Biology Electives (9)**

Choose from the following: BIO 110, BIO 118, BIO 201, BIO 202, BIO 261, BIO 312, BIO 313, BIO 317, BIO 318, BIO 341, BIO/CHE 345, BIO 350, BIO 399, BIO 402, BIO 411, BIO 426, BIO 440, BIO 441, BIO 442, BIO 444, BIO 498, HPPE 406, PHE 301, PHE 302, or PSY 424

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
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**Electives Courses (23)**

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

**Recommended Four-Year Plan**

**FRESHMAN YEAR**

**Fall Semester (15)**

FYE 101 (1)

ENG 101 (3)

BIO 115 (4)

CHE 111 (4)

History Core (3)

**SOPHOMORE YEAR**

**Fall Semester (17)**

BIO 301 (4)

CHE 211 (4)

BS Req (3)

Literature Core (3)

Fine Arts Core (3)

**JUNIOR YEAR**

**Fall Semester (14)**

CHE 411 (3)

BIO 361 (4)

BIO Elective (4)

Behavioral/Social Science Core (3)

**SENIOR YEAR**

**Fall Semester (16)**

BIO 310 (2)

BIO 444 or BIO 498 (3)

Upper Level Elective (3)

General Elective (1)

General Elective (3)

BIO Elective (4)

**Spring Semester (15)**

FYE 102 (1)

ENG 102 (3)

BIO 116 (4)

CHE 112 (4)

COMM 221 (3)

**Spring Semester (17)**

BIO 331 (4)

CHE 212 (4)

MAT 141 (5)

REL 241 (3)

PE Activity (1)

**Spring Semester (13)**

Humanities Core (3)

BIO Elective (4)

CHE 412 (3)

Upper Level Elective (3)

**Spring Semester (14)**

CHE 413 (3)

General Elective (3)

Upper Level Elective (4)

Upper Level Elective (4)