**General Education Core Requirements (44)**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 Gen Ed options) | 3 |   |   |
| ENG/COMM 221 | 3 |   |   |
| MAT 231 | 3 |   |   |
| Natural Science (8 hours selected from 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 |   |   |

**Other Required Courses (7-8)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
| MAT 142Calculus I | 4 |   |   |
| MAT 235 Linear Algebra or 241 Calculus II | 3-4 |   |   |

**Required Computer Science Courses (44)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
| CS 200Discrete Structures | 3 |   |   |
| CS 220Data Structures | 3 |   |   |
| CS 240Intro to Proj Mgmt | 3 |   |   |
| CS 310System Arch & Ass Lang Programming | 3 |   |   |
| CS 315Operating Sys Anal & Admin | 3 |   |   |
| CS 330Networks & Dist Data Processing | 3 |   |   |
| CS 340Sys Analysis & Design | 3 |   |   |
| CS 350Ethics & Prof in Comp Programming | 3 |   |   |
| CS 355Intro to GIS | 3 |   |   |
| CS 360Security of Info Syst | 3 |   |   |
| CS 410Server Admin | 3 |   |   |
| CS 411Server Admin Lab | 1 |   |   |
| CS 435Software Engineering | 3 |   |   |
| CS 450Database Dev & Admin | 3 |   |   |
| CS 451Database Dev & Admin Lab | 1 |   |   |
| CS 480 or 498Capstone or Internship | 3 |   |   |

**Application Development and Support Concentration (15)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credit Hour** | **Term Taken** | **Grade** |
| CS 230Design & Analysis of Alg | 3 |   |   |
| CS 305Info Sys App | 3 |   |   |
| CS 370Wireless Network & Devices | 3 |   |   |
| CS 430Mobile Prog & Web App | 3 |   |   |
| CS 437Software Engineering II | 3 |   |   |

**Electives Courses (9-10)**

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

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

**Recommended Four-Year Plan**

**FRESHMAN YEAR**

**Fall Semester (15)**

CS 110 (3)

FYE 101 (1)

ENG 101 (3)

MAT 142 (4)

History Core (3)

PE Activity (1)

**SOPHOMORE YEAR**

**Fall Semester (16)**

CS 200 (3)

CS 240 (3)

Natural Science Core (4)

COMM 221 (3)

Behavioral/Social Science Core (3)

**JUNIOR YEAR**

**Fall Semester (15)**

CS 310 (3)

 CS 330 (3)

 CS 350 (3)

 CS 360 (3)

 General Elective (3)

**SENIOR YEAR**

**Fall Semester (14)**

CS 410 (3)

CS 411 (1)

CS 435 (3)

CS 450 (3)

CS 451(1)

Religion/Philosophy Core (3)

**Spring Semester (14)**

FYE 102 (1)

ENG 102 (3)

MAT 241 (4)

Fine Arts Core (3)

Humanities Core (3)

**Spring Semester (16)**

CS 220 (3)

CS 230 (3)

MAT 231 (3)

Natural Science Core (4)

Literature Core (3)

**Spring Semester (15)**

CS 315 (3)

CS 340 (3)

CS 355 (3)

CS Concentration (3)

CS Concentration (3)

**Spring Semester (15)**

CS 480 or CS 498 (3)

CS Concentration (3)

CS Concentration (3)

General Elective (3)

General Elective (3)