**COURSES THAT FULFILL GENERAL EDUCATION REQUIREMENTS**

| CONTENT AREA | COURSE NUMBER AND COURSE TITLE | TOTAL CREDITS |
| --- | --- | --- |
| ENGLISH & COMMUNICATION | **ENG 121: ENGLISH COMPOSITION I (REQUIRED)**  **ENG 122: ENGLISH COMPOSITION II (REQUIRED)** | 6 |
| MATHEMATICS | **MAT 201: CALCULUS I (REQUIRED)**  **MAT 202: CALCULUS II (REQUIRED)** | 10 |
| ARTS & HUMANITIES | PHI 112: ETHICS or PHI 113: LOGIC | 3 |
| SOCIAL & BEHAVIORAL SCIENCES  (SELECT TWO) | ECO 201: PRINCIPLES OF MACROECONOMICS  ECO 202: PRINCIPLES OF MICROECONOMICS  POS 205: INTERNATIONAL RELATIONS  PSY 101: GENERAL PSYCHOLOGY I  SOC 101: INTRODUCTION TO SOCIOLOGY | 6 |
| NATURAL & PHYSICAL SCIENCES | **PHY 211: PHYSICS: CALCULUS BASED I WITH LAB (REQUIRED)**  **PHY 212: PHYSICS: CALCULUS BASED II WITH LAB (REQUIRED)**  **CHE 111: GENERAL CHEMISTRY I WITH LAB (REQUIRED)** | 15 |
| GENERAL EDUCATION CREDITS | | 40 |

**ADDITIONAL REQUIRED COURSES FOR COMPUTER SCIENCE, A.A.S.**

| CONTENT AREA | COURSE NUMBER AND COURSE TITLE | TOTAL CREDITS |
| --- | --- | --- |
| COMPUTER SCIENCE | **CSC 119: INTRODUCTION TO PROGRAMMING (REQUIRED)** | 3 |
| COMPUTER SCIENCE | **CSC 160: COMPUTER SCIENCE I (REQUIRED)** | 4 |
| COMPUTER SCIENCE | **CSC 161: COMPUTER SCIENCE II (REQUIRED)** | 4 |
| ADDITIONAL PROGRAM CREDITS | | 11 |

**ELECTIVE COURSES**

| CONTENT AREA | COURSE NUMBER AND COURSE TITLE | TOTAL CREDITS |
| --- | --- | --- |
| COMPUTER SCIENCE  (SELECT TWO) | CSC 165: DISCRETE STRUCTURES  CSC 225: COMPUTER ARCH & ASSEMBLY LANG.  CSC 236: C# PROGRAMMING  CSC 237: ADVANCED C# PROGRAMMING | 8 |
| MATHEMATICS OR COMPUTER INFORMATION SYSTEMS (SELECT ONE) | MAT 255: LINEAR ALGEBRA  CIS 128: OPERATING SYSTEMS: USING WINDOWS, OSX, LINUX | 3 |
| TOTAL CREDIT HOURS | | 62 |

(The department recommends taking the courses in this order to complete the degree.   
FOR COURSES THAT ARE NOT REQUIRED: If you cannot register for the course on this map or want to take one that is not listed, please talk to your pathway advisor.)

|  |  |
| --- | --- |
| SEMESTER 1 | ­ CREDITS |
| **ENG 121: English Composition I (REQUIRED)** | 3 |
| **CSC 119: Introduction to Programming (REQUIRED)** | 3 |
| **MAT 201: Calculus I (REQUIRED)** | 5 |
| PHI 112: Ethics OR PHI 113: Logic | 3 |
| SEMESTER CREDITS | 14 |
| SEMESTER 2 | ­ CREDITS |
| **ENG 122: English Composition II (REQUIRED)** | 3 |
| **MAT 202: Calculus II (REQUIRED)** | 5 |
| **CSC 160: Computer Science I (REQUIRED)** | 4 |
| **CHE 111: General Chemistry I with Lab (REQUIRED)** | 5 |
| SEMESTER CREDITS | 17 |
| SEMESTER 3 | ­ CREDITS |
| **CSC 161: Computer Science II (REQUIRED)** | 4 |
| **PHY 211: Physics: Calculus Based I with Lab (REQUIRED)** | 5 |
| CSC 225: Computer Arch & Assembly Lang. OR CSC 236: C# Programming | 4 |
| ECO 201: Principles of Macroeconomics OR ECO 202: Principles of Microeconomics OR POS 205: International Relations OR PSY 101: General Psychology I OR SOC 101: Introduction to Sociology | 3 |
| SEMESTER CREDITS | 16 |
| SEMESTER 4 | ­ CREDITS |
| **PHY 212: Physics: Calculus Based II with Lab  (REQUIRED)** | 5 |
| CSC 165: Discrete Structures OR CSC 237: Advanced C# Programming | 4 |
| MAT 255: Linear Algebra OR CIS 128: Operating Systems: Using Windows, OSX, Linux | 3 |
| ECO 201: Principles of Macroeconomics OR ECO 202: Principles of Microeconomics OR POS 205: International Relations OR PSY 101: General Psychology I OR SOC 101: Introduction to Sociology | 3 |
| TOTAL CREDIT HOURS | 62 |

1 Placement into courses is dependent on test scores or credit for prior learning. See a Pathways Advisor for details. Plans that include ESL, CCR, and AAA courses will increase the total number of hours to completion.