**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 121: COLLEGE ALGEBRA (REQUIRED)** | 4 |
| BUSINESS | **BUS 115: INTRODUCTION TO BUSINESS (REQUIRED)**  **BUS 217: BUSINESS COMMUNICATION AND REPORT WRITING (REQUIRED)** | 6 |
| GENERAL EDUCATION CREDITS | | 16 |

**ADDITIONAL REQUIRED COURSES FOR CYBER SECURITY, A.A.S.**

| CONTENT AREA | COURSE NUMBER AND COURSE TITLE | TOTAL CREDITS |
| --- | --- | --- |
| COMPUTER INFORMATION SYSTEMS | **CIS 118: INTRODUCTION TO PC APPLICATIONS (REQUIRED)** | 3 |
| COMPUTER INFORMATION SYSTEMS | **CIS 128: OPERATING SYSTEM: WINDOWS 10, OSX, LINUX (REQUIRED)** | 3 |
| COMPUTER INFORMATION SYSTEMS | **CIS 203: TECHNOLOGY FOR CAREER SUCCESS (ONLINE ONLY) (REQUIRED)** | 2 |
| COMPUTER INFORMATION SYSTEMS | **CIS 223: LINUX (REQUIRED)** | 3 |
| COMPUTER INFORMATION SYSTEMS | **CIS 268: SYSTEMS ANALYSIS AND DESIGN I (REQUIRED)** | 3 |
| COMPUTER NETWORKING TECHNOLOGY | **CNG 101: NETWORKING FUNDAMENTALS (REQUIRED)** | 3 |
| COMPUTER NETWORKING TECHNOLOGY | **CNG 124: NETWORKING I: NETWORK + (REQUIRED)** | 3 |
| COMPUTER NETWORKING TECHNOLOGY | **CNG 131: PRINCIPLES OF INFORMATION ASSURANCE (REQUIRED)** | 3 |
| COMPUTER NETWORKING TECHNOLOGY | **CNG 132: NETWORK SECURITY FUNDAMENTALS (REQUIRED)** | 3 |
| COMPUTER NETWORKING TECHNOLOGY | **CNG 142: INTRODUCTION TO CLOUD COMPUTING (REQUIRED)** | 3 |
| COMPUTER NETWORKING TECHNOLOGY | **CNG 211: WINDOWS CONFIGURATION: (WINDOWS 10) (REQUIRED)** | 3 |
| COMPUTER NETWORKING TECHNOLOGY | **CNG 256: VULNERABILITY ASSESSMENT I (REQUIRED)** | 3 |
| COMPUTER NETWORKING TECHNOLOGY | **CNG 257: NETWORK DEFENSE AND COUNTERMEASURES (REQUIRED)** | 3 |
| ADDITIONAL PROGRAM CREDITS | | 38 |

**ELECTIVE COURSES (SELECT 6 CREDITS)**

| CONTENT AREA | COURSE NUMBER AND COURSE TITLE | TOTAL CREDITS |
| --- | --- | --- |
| SELECT 2 COURSES  CIS 202: AUTOMATED PROJECT MANAGEMENT  CIS 267: MANAGEMENT OF INFORMATION SYSTEMS  CIS 280: INTERNSHIP  CSC 119: INTRODUCTION TO PROGRAMMING | | 6 |
| TOTAL CREDIT HOURS | | 60 |

(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 |
| **MAT 121: College Algebra (REQUIRED)** | 4 |
| **CIS 118: Introduction to PC Applications (REQUIRED)** | 3 |
| **CIS 128: Operating Systems: Windows, OSX, Linux (REQUIRED)** | 3 |
| **CNG 101: Networking Fundamentals (REQUIRED)** | 3 |
| SEMESTER CREDITS | 16 |
| SEMESTER 2 | ­ CREDITS |
| **CIS 223: Linux (REQUIRED)** | 3 |
| **CNG 124: Networking I: Network + (REQUIRED)** | 3 |
| **CNG 131: Principles Of Information Assurance (REQUIRED)** | 3 |
| **CNG 211: Windows Configuration: (WINDOWS 10) (REQUIRED)** | 3 |
| **BUS 115: Introduction to Business (REQUIRED)** | 3 |
| SEMESTER CREDITS | 15 |
| SEMESTER 3 | ­ CREDITS |
| **ENG 122: English Composition II (REQUIRED)** | 3 |
| **BUS 217: Business Communication & Report Writing (REQUIRED)** | 3 |
| **CNG 132: Network Security Fundamentals (REQUIRED)** | 3 |
| **CNG 142: Introduction To Cloud Computing (REQUIRED)** | 3 |
| CIS 202: Automated Project Management OR CIS 267: Management of  Information Systems OR CIS 280: Internship OR CSC 119: Introduction to Programming | 3 |
| SEMESTER CREDITS | 15 |
| SEMESTER 4 | ­ CREDITS |
| **CIS 203: Technology for Career Success (ONLINE) (REQUIRED)** | 2 |
| **CIS 268: Systems Analysis and Design I (SPRING ONLY)(REQUIRED)** | 3 |
| **CNG 256: Vulnerability Assessment I (REQUIRED)** | 3 |
| **CNG 257: Network Defense And Countermeasures (REQUIRED)** | 3 |
| CIS 202: Automated Project Management OR CIS 267: Management of  Information Systems OR CIS 280: Internship OR CSC 119: Introduction to Programming | 3 |
| SEMESTER CREDITS | 14 |

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.