|  |  |
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|  | **Preparatory Courses** |
| Complete | Course Number  | Course Title |  |
|  | **FYEX 0070\***  | College and Career Success  |  |
|  | **ENGL 0040\*** | Integrated Reading and Writing |  |
|  | **MATH 0030, MATH 0075, MATH 0084, STAT 0086 \*** | Developmental Math courses |  |
|  | **FALL YEAR ONE** |
| Certs | Term | Course Number | Course Title | Prerequisites | Credits |
|  | F.SP.S | **ENGL 1010 ^**  | English Composition I | ENGL0040 \*  | 3 |
| + | F | ITEC 1420 orITEC1610 | Introduction to Information Security **OR**IT Essentials |  | 3 |
| + | F | **ITEC 1640 ^** | Introduction to Networks CCNA1 |  | 2 |
| + | F | ITEC 1645 | Switching, Routing, and Wireless Essentials CCNA2 | ITEC1640 \*\* | 2 |
| + | F | ITEC 1650 | Linux Fundamentals (Linux+) |  | 3 |
|  | F.SP.S | **STAT 1010 ^** | Probability and Statistics | MATH0084 OR STAT0086 (m) \* | 3 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **16** |

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|  | **SPRING YEAR ONE**   |
| Certs | Term | Course Number | Course Title | Prerequisites | Credits |
|  | SP | BUSM 1260  | Project Management |  | 3 |
|  | F.SP.S | **ENGL 1030 ^** | English Composition II | ENGL1010 \*\* | 3 |
| + | SP | ITEC 1690  | Network Security (Security+) | ITEC1420 or ITEC1610 \*\* | 3 |
| + | SP | ITEC 1810  | Microsoft Office for IT Professionals | CISS1020 or pass Computer Literacy Test | 3 |
|  | SP | ITEC 1840 | Ethics in Information Age |  | 3 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **15** |

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|  | **FALL YEAR TWO** |
| Certs | Term | Course Number | Course Title | Prerequisites | Credits |
|  | F.SP.S | COMM 1010  | Speech |  | 3 |
| + | F | ITEC 1430 | Certified Ethical Hacker (CEH) | ITEC1640, ITEC1650, ITEC1840, ITEC2420c \*\* | 3 |
| + | F | ITEC 1860 | Introduction to Programming |  | 3 |
|  | F | ITEC 2420 | Advanced Network Security | ITEC1690, ITEC1430c \*\* | 3 |
| + | F | ITEC 2610 | Implementing Windows Server | ITEC1420 or ITEC1610 \*\* | 3 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **15** |

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|  | **SPRING YEAR TWO** |
| Certs | Term | Course Number | Course Title | Prerequisites | Credits |
|  | F.SP.S | SOCY2010  | Cultural Diversity & Racism **OR**Social Science Elective (see your advisor) |   | 3 |
|  | F.SP.S | HIST1010  | American History I **OR**Humanities Elective (see your advisor) |   | 3 |
|  | SP | ITEC 2450  | Computer Hacking Forensic Investigator (CHFI) | ITEC1430 \*\* | 3 |
|  | SP | ITEC 2460 | Cloud Computing | ITEC1420 or ITEC1610 \*\* | 3 |
|  | SP | ITEC 2500 ORITEC2980 & ITEC2990  | Capstone for Cyber Security Professionals**OR** Cooperative Work Experience and Seminar  | ITEC2450c, BUSM1260, COMM1010, ENGL1030, STAT1010ITEC2990m & ITEC2980m (Both require Instructor permission & 18 credit hours of ITEC courses) | 3OR1-2& 1 |
|  | SP | ITEC\_\_\_\_ | Certification Technical Elective (see next page) | Instructor permission required | 1 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **15-16** |
|  |  |  |  | **TOTAL SEMESTER HOURS** | **61-62** |

c = Can be concurrent m = Must be concurrent

**+ This course applies towards an Information Technology Certificate. See back page for details**

**\*\* Minimum grade of C- required**

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| **CERTIFICATION TECHNICAL ELECTIVES**  |  |  |
| Complete  | Course Number  | Course Title  | Prerequisites  | Credits  |
|   | ITEC 2701  | Certification Preparation for A+  | Instructor permission required | 1  |
|   | ITEC 2702  | Certification Preparation for Security+  | Instructor permission required | 1  |
|   | ITEC 2703  | Certification Preparation for Linux+  | Instructor permission required | 1  |
|   | ITEC 2705  | Certification Preparation for CCNA Routing & Switching | Instructor permission required | 1  |
|   | ITEC 2706  | Certification Preparation for VMWare (VCA)  | Instructor permission required | 1  |
|   | ITEC 2707  | Certification Preparation for Windows Server Exam 70-410  | Instructor permission required | 1  |
|   | ITEC 2708  | Certification Preparation for Windows Server Exam 70-411  | Instructor permission required | 1  |
|  | ITEC 2709 | Certification Preparation for CWNA Wireless | Instructor permission required | 1 |
|  | ITEC 2710 | Certification Preparation for Cisco CCNA - Security | Instructor permission required | 1 |
|  | ITEC 2711 | Certification Preparation for Certified Ethical Hacker (CEH) | Instructor permission required | 1 |
|  | ITEC 2712 | Certification Preparation for Computer Hacking Forensic Investigator | Instructor permission required | 1 |

**INFORMATION TECHNOLOGY CERTIFICATES. HIGHLIGHTED COURSES ARE IN THE CYBER SECURITY PROGRAM**

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| **Cyber Security Network Defense Certificate*** **ITEC1420**
* **ITEC1430**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC1650**
* **ITEC1690**
* **ITEC1860**
* **ITEC2410**
* **ITEC2430**
* **ITEC2450**
* **ITEC2610**
 | **Microsoft Applications*** **CISS1210**
* **CISS1220**
* **CISS1230**
* **CISS1250**
* **CISS1270**
* **CISS1280**
 | **Network Administration/Management*** **ITEC1610**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC1650**
* **ITEC1680**
* **ITEC1685**
* **ITEC1690**
* **ITEC2460**
* **ITEC2610**
* **ITEC2650**
* **ITEC2660**
* **ITEC2670**
 |
| **Help Desk/Desktop Support*** **ITEC1610**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC1690**
* **ITEC1810**
 | **Network Support*** **ITEC1610**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC1680**
* **ITEC1685**
 | **Network Security Essentials*** **ITEC1610**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC1690**
 |
| **Security Essentials*** **ITEC1610**
* **ITEC1690**
 | **Windows Server Administration*** **ITEC1610**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC1690**
* **ITEC2610**
* **ITEC2670**
 | **Wireless Network Support*** **ITEC1610**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC2660**
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\* All incoming students will be required to provide ACT scores or take a placement test. Based on their scores, students will be placed in appropriate English and mathematics courses. Successful completion of developmental English, and mathematics prerequisites require a grade of C- or above in the course. Developmental reading, writing, and mathematics course prerequisites can also be attained through placement testing. See the [Standardized Testing Cutoff Scores](https://www.ncstatecollege.edu/cms/media-custom/PDF/_Fdrive/Policies%20Manual/Final%20PDFs/14-202.pdf) for specific tests and test scores.

The College strongly recommends that students be covered by hospitalization insurance, which can be purchased through a private carrier. To obtain a brochure regarding insurance, contact the Student Success Center. (Rm 103 Kee Hall) or call toll free 888-755-4899, ext. 4761 or locally 419-755-4761.