|  |  |
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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** |
| Complete | Term | Course Number | Course Title | Prerequisites | Credits |
|  | F.SP.S | ENGL 1010 | English Composition I | ENGL0040 \* | 3 |
| + | FF | ITEC 1610ITEC 1420 | IT Essentials**OR**Introduction to Information Security |   | 33 |
| + | F | ITEC 1640 | Introduction to Networks CCNA1 |  | 2 |
| + | F | ITEC 1645 | Switching, Routing, and Wireless Essentials CCNA2 | ITEC 1640 \*\* | 2 |
| + | F | ITEC 1650 | Linux Fundamentals (Linux+) |   | 3 |
|  | F.SP.S | STAT 1010 | Probability and Statistics | MATH0086 or STAT0086c \* | 3 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **16** |

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|  | **SPRING YEAR ONE**   |
| Complete | Term | Course Number | Course Title | Prerequisites | Credits |
|  | SP | BUSM 1260 | Project Management |   | 3 |
|  | F.SP.S | ENGL 1030 | English Composition II | ENGL 1010 \*\* | 3 |
| + | SP | ITEC 1620 | Wireshark 101 | ITEC 1640 \*\* | 2 |
| + | SP | ITEC 1665 | Enterprise Networking, Security, and Automation CCNA3 | ITEC 1645 \*\* | 2 |
| + | SP | ITEC 1690 | Network Security (Security+) | ITEC 1420 \*\* or ITEC 1610 \*\* | 3 |
|  | SP | ITEC 1840 | Ethics in Information Age |  | 3 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **16** |

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|  | **FALL YEAR TWO** |
| Complete | Term | Course Number | Course Title | Prerequisites | Credits |
|  | F.SP.S | COMM 1010 | Speech |   | 3 |
| + | F.SP.S | ITEC 1810  | Microsoft Office for IT Professionals | CISS1020 or pass Computer Literacy Test | 3 |
| + | F | ITEC 1860 | Introduction to Programming |  | 3 |
| + | F | ITEC 2610 | Implementing Windows Server | ITEC 1420 \*\* or ITEC 1610 \*\* | 3 |
| + | F | ITEC 2665 | Wireless & Business Technologies | ITEC 1645 \*\* | 3 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **15** |

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|  | **SPRING YEAR TWO** |
| Complete | Term | Course Number | Course Title | Prerequisites | Credits |
|  | F.SP.S | HIST 1010  | American History I **OR**Humanities Elective (see your advisor) |   | 3 |
|  | F.SP.S | ECON 2510**OR**SOCY2010 | Macroeconomics**OR**Cultural Diversity & Racism |   | 3 |
| + | SP | ITEC 2460 | Cloud Computing | ITEC1420 \*\* or ITEC1610 \*\* | 3 |
| + | SP | ITEC 2670 | Administering Windows Server | ITEC 2610 \*\* | 3 |
|  | SP | ITEC 2700**OR**ITEC 2980 **and** ITEC 2990 | Capstone for Networking Professionals**OR** Cooperative Work Experience **and** Seminar | ITEC 1665 \*\*, ITEC 1690 \*\*, ITEC 2665 \*\*, ITEC 2670c, BUSM 1260, COMM 1010, ENGL 1030, STAT 1010 ITEC2990m & ITEC2980m (Both require Instructor permission & 18 credit hours of ITEC courses) | 3**OR**1-21 |
|  | SP | ITEC \_\_\_\_ | Certification Technical Elective (see next page) | Instructor Permission Required | 1 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **15-16** |
|  |  |  |  | **TOTAL SEMESTER HOURS** | **62-63** |

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 2704 | Certification Preparation for CCENT | Instructor Permission Required | 1 |
|  | ITEC 2705 | Certification Preparation for CCNA Routing & Switching | Instructor Permission Required | 1 |
|  | ITEC 2707 | Certification Preparation for Windows Server Exam (I) | Instructor Permission Required | 1 |
|  | ITEC 2708 | Certification Preparation for Windows Server Exam (II) | Instructor Permission Required | 1 |
|  | ITEC 2709 | Certification Preparation for CWNA Wireless | 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 |
|  | ITEC 2713 | Certification Preparation for Cloud+ | Instructor permission required | 1 |

**INFORMATION TECHNOLOGY CERTIFICATES. HIGHLIGHTED COURSES ARE IN THE NETWORKING PROGRAM**

|  |  |  |
| --- | --- | --- |
| **Cyber Security Network Defense Certificate*** **ITEC1410**
* **ITEC1430**
* **ITEC1610**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC1650**
* **ITEC1690**
* **ITEC1860**
* **ITEC2410**
* **ITEC2430**
* **ITEC2450**
 | **Microsoft Applications*** **CISS1210**
* **CISS1220**
* **CISS1230**
* **CISS1250**
* **CISS1270**
* **CISS1280**
* **ITEC1810**
* **CISS2200**
 | **Network Administration/Management*** **ITEC1610**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC1650**
* **ITEC1665**
* **ITEC1690**
* **ITEC 2460**
* **ITEC2610**
* **ITEC2665**
* **ITEC2670**
 |
| **Help Desk/Desktop Support*** **ITEC1610**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC1690**
* **ITEC1810**
 | **Network Support*** **ITEC1610**
* **ITEC1620**
* **ITEC1640**
* **ITEC1645**
* **ITEC1665**
 | **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**

**ITEC2665** |

\* 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/student-success-center/assessments) 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.