|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **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 |
| + | F  F | ITEC 1610  ITEC 1420 | IT Essentials  **OR**  Introduction to Information Security |  | 3  3 |
| + | 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** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **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** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **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** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **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**  1-2  1 |
|  | 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**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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.