

NORTH CENTRAL STATE COLLEGE

Information Technology – Cyber Security Major 2021-2022

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 or ITEC1610	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

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

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

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 OR ITEC2980 & ITEC2990	Capstone for Cyber Security Professionals OR Cooperative Work Experience and Seminar	ITEC2450c, BUSM1260, COMM1010, ENGL1030, STAT1010 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					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

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

<p>Cyber Security Network Defense Certificate</p> <ul style="list-style-type: none"> • ITEC1420 • ITEC1430 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1650 • ITEC1690 • ITEC1860 • ITEC2410 • ITEC2430 • ITEC2450 • ITEC2610 	<p>Microsoft Applications</p> <ul style="list-style-type: none"> • CISS1210 • CISS1220 • CISS1230 • CISS1250 • CISS1270 • CISS1280 	<p>Network Administration/Management</p> <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1650 • ITEC1680 • ITEC1685 • ITEC1690 • ITEC2460 • ITEC2610 • ITEC2650 • ITEC2660 • ITEC2670
<p>Help Desk/Desktop Support</p> <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1690 • ITEC1810 	<p>Network Support</p> <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1680 • ITEC1685 	<p>Network Security Essentials</p> <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1690
<p>Security Essentials</p> <ul style="list-style-type: none"> • ITEC1610 • ITEC1690 	<p>Windows Server Administration</p> <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1690 • ITEC2610 • ITEC2670 	<p>Wireless Network Support</p> <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC2660

* 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](#) 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.