

NORTH CENTRAL STATE COLLEGE

Information Technology – Networking 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
Complete	Term	Course Number	Course Title	Prerequisites	Credits
	F.SP.S	ENGL 1010	English Composition I	ENGL0040 *	3
+	F	ITEC 1610	IT Essentials		3
	F	ITEC 1420	Introduction to Information Security		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	Capstone for Networking Professionals	ITEC 1665 **, ITEC 1690 **, ITEC 2665 **, ITEC 2670c, BUSM 1260, COMM 1010, ENGL 1030, STAT 1010	OR 3
		OR	OR		
		ITEC 2980 and ITEC 2990	Cooperative Work Experience and Seminar	ITEC2990m & ITEC2980m (Both require Instructor permission & 18 credit hours of ITEC courses)	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 <ul style="list-style-type: none"> • ITEC1410 • ITEC1430 • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1650 • ITEC1690 • ITEC1860 • ITEC2410 • ITEC2430 • ITEC2450 	Microsoft Applications <ul style="list-style-type: none"> • CISS1210 • CISS1220 • CISS1230 • CISS1250 • CISS1270 • CISS1280 • ITEC1810 • CISS2200 	Network Administration/Management <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1650 • ITEC1665 • ITEC1690 • ITEC 2460 • ITEC2610 • ITEC2665 • ITEC2670
Help Desk/Desktop Support <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1690 • ITEC1810 	Network Support <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1665 	Network Security Essentials <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1690
Security Essentials <ul style="list-style-type: none"> • ITEC1610 • ITEC1690 	Windows Server Administration <ul style="list-style-type: none"> • ITEC1610 • ITEC1620 • ITEC1640 • ITEC1645 • ITEC1690 • ITEC2610 • ITEC2670 	Wireless Network Support <ul style="list-style-type: none"> • 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](#) 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.