

Network and Information Systems (Cisco Networking Track)		
	Course	Prerequisites
Technical Core		
	CIS120 Program Design and Development	Computer literacy course, MT 120 or MT 122, or consent of instructor
	CIS130 Microcomputer applications	CIS100 or equivalent
	IT 105 Computer Maintenance Essentials	Computer literacy & placement in 120MT or 125MT or Consent of instructor
	IT 205 Advanced Computer Maintenance	IT 105
	NIS160 Networking Core Technologies or IT 120 Cisco Internetworking I	(IT 105) OR (ET232 and ET 234) OR Consent of instructor
	IT 170 Introduction to Database Design	Computer literacy course, MT 120 or MT 122, or consent of instructor
	IT132 Web Page Design or IT130 Web Site Design and Production	Computer literacy course or consent of instructor
	Beginning Level Programming Language	CIS120 or consent of instructor
Cisco Networking Required Courses		
	IT 122 Cisco Internetworking II	IT120 or consent of instructor
	IT 220 Cisco Internetworking III	IT122 or consent of instructor
	IT 222 Cisco Internetworking IV	IT220 or consent of instructor
	NIS 213 Admin. MS Windows Server	NIS160 or IT 120 Cisco Internetworking I or consent of instructor
Technical Electives		
	CIS280 Internship	Consent of Instructor
	NIS290 Selected Topics in Network and Information Systems	Consent of Instructor
	Other technical electives may be approved by the program coordinator	

Beginning Level Programming Language Courses	CIS148 Visual Basic I	CIS120 or consent of instructor
	CIS149 Java Programming I	CIS120 or consent of instructor
	CS115 Introduction to Computer Programming	None
	NIS 152 JavaScript	CIS120 or consent of instructor

Elizabethtown Community and Technical College Suggested Curriculum for the Associate Degree in Applied Science in Information Technology Network and Information Systems (Cisco)				
No.	Course	Credits	Complete	Grade
First Semester (15 Credit Hours)				
ENG 101	Writing I	3		
IT 105	Computer Maintenance Essentials *	3		
	Social Interaction Course	3		
CIS 120	Program Design	3		
MA 109	College Algebra	3		
Second Semester (15 Credit Hours)				
ENG 102	Writing II	3		
IT 205	Advanced Computer Maintenance *	3		
	Beginning Level Programming Language	3		
IT 132	Web Design or	3		
IT130	Web Site Design and Production			
	Oral Communications Course	3		
Summer Session (6 Credit Hours)				
CIS 130	Microcomputer Applications	3		
	Heritage / Humanities Course	3		
Third Semester (15 Credit Hours)				
IT 120	Cisco Internetworking I	4		
IT 122	Cisco Internetworking II	4		
IT 170	Introduction to Database Design	3		
	Science with a Lab	3-4		
Fourth Semester (17 Credit Hours)				
IT 220	Cisco Internetworking III	4		
IT 222	Cisco Internetworking IV	4		
NIS 213	Admin. MS Windows Server	3		
	Technical Course	3		
	Technical Course	3		
TOTAL CREDIT HOURS:		68		

* Students may also take ET232 or CIS110 and ET 234 instead of IT 105 and IT 205. (Students can not “Mix and Match”).