

Elizabethtown Community and Technical College Suggested Curriculum for the Associate Degree in Applied Science in Information Technology <b>Network and Information Systems (Cisco Professional)</b>				
No.	Course	Credits	Complete	Grade
<b>First Semester ( 15 Credit Hours)</b>				
ENG 101	Writing I	3		
Social / Behavior Science Course		3		
IT 105 Computer Maintenance Essentials *		3		
CIS 120	Program Design	3		
MA 109	College Algebra	3		
<b>Second Semester ( 15 Credit Hours)</b>				
ENG 102	Writing II	3		
IT 205 Advanced Computer Maintenance *		3		
Beginning Level Programming Language		3		
IT 132	Web Design or	3 or 4		
IT130	Web Site Design and Production			
Communications Course		3		
<b>Summer Session ( 6 Credit Hours)</b>				
CIS 130	Microcomputer Applications	3		
Heritage / Humanities Course		3		
<b>Third Semester ( 15 Credit Hours)</b>				
IT 280 CCNP I		5		
IT 282 CCNP II		3		
IT 170 Introduction to Database Design		3		
Science Course w/Lab		4		
<b>Fourth Semester ( 14 Credit Hours)</b>				
IT 284 CCNP III		3		
IT 286 CCNP IV		5		
Technical Course		6		
<b>TOTAL CREDIT HOURS:</b>		<b>68 71</b>		

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

<b>Network and Information Systems</b> (Cisco Professional 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 or consent of instructor
	IT 105 Computer Maintenance Essentials	Computer literacy & placement in 120MT or 125MT or Consent of instructor
	IT 205 Advanced Computer Maintenance	IT105
	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		
	280IT Cisco CCNP I -Advanced Routing	Current CCNA or IT 122 or consent of instructor
	282IT Cisco CCNP II - Remote Access	Current CCNA or IT 222 or consent of the instructor
	284IT Cisco CCNP III – Switching	Current CCNA or IT 122 or consent of instructor
	286IT Cisco CCNP IV - Internetwork Troubleshooting & Support	(IT 280 and IT 282 and IT 284) 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	