

Network and Information Systems
(MS 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	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
	NIS211 Admin. MS Windows Professional	NIS160 or IT 120 Cisco Internetworking I or consent of instructor
	NIS213 Admin. MS Windows Server	NIS 160 or IT 120 Cisco Internetworking I or consent of instructor
	NIS214 Supporting Windows 2000 Network Infrastructure	NIS213 or consent of instructor
Technical Electives	NIS216 Implementing and Admins Windows 2000 Directory Service	NIS214 or consent of instructor
	NIS242 Designing a Windows 2000 Directory Services infrastructure	NIS216 or consent of instructor
	NIS244 Designing a Windows 2000 Networking Services infrastructure	NIS216 or consent of instructor
	NIS245 Designing a Secure Microsoft Windows 2000 Network	None listed (Recommended NIS216)
	CIS280 Internship	Consent of Instructor
	NIS290 Selected Topics in Network and Information Systems	Consent of Instructor
	NIS 275 Internet Servers Administration	NIS160 or IT 120 Cisco Internetworking I
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 (Microsoft)

No.	Course	Credits	Complete	Grade
First Semester (15 Credit Hours)				
ENG 101	Writing I	3		
IT 105	Computer Maintenance Essentials *	3		
CIS 120	Program Design	3		
CIS 130	Microcomputer Applications	3		
MA 109	College Algebra	3		
Second Semester (16 Credit Hours)				
ENG 102	Writing II	4		
NIS 160 Networking Essentials or IT 120 Cisco Internetworking I		3		
IT 205	Advanced Computer Maintenance *	3		
IT 132 Web Design or IT130 Web Site Design and Production		3		
Oral Communications Course		3		
Summer Session (3 Credit Hours)				
Social Interaction Course		3		
Third Semester (16 Credit Hours)				
NIS 211 Admin. MS Windows Professional (If instructor available)		3		
NIS 213 Admin. MS Windows Server (If instructor available)		3		
IT 170	Introduction to Database Design	3		
Science with Laboratory		3-4		
Beginning Level Programming Language		3		
Fourth Semester (15 Credit Hours)				
NIS 214 Supporting Windows 2000 Network Infrastructure		3		
MCSA Track Elective		3		
Technical Elective		3		
Technical Elective		3		
Heritage / Humanities Course		3		
		64-65		

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

In order to get the MCSE certificate, you must take the following as your technical electives:

NIS 242	Designing Windows 2000 Directory Services Infrastructure	3
NIS 244	Designing a Windows 2000 Networking Services Infrastructure	3
NIS 245	Designing a Secure Windows 2000 Network	3