

INFORMATION TECHNOLOGY – MCSE/MSCA Program Check Sheet

Program Name: Information Technology – Microsoft Networking Track

Student Name: _____

Semester Entered: _____

Course Number	Course Title	Cr Hrs	AAS Degree	
			Information Tech. Microsoft Networking Certification Track MCSA or MCSE	
			Required	Term
ENG101	Writing I	3.0	*	
ENG102	Writing II	3.0	*	
	Oral Communications	3.0	*	
	Behavioral/Social Science Course	3.0	*	
	Heritage/Humanities Course	3.0	*	
MAT150	College Algebra	3.0	*	
PH171	Applied Physics	4.0	*	
CIS120	Program Design and Development	3.0	*	
CIS130	Microcomputer Applications	3.0	*	
IT105	Computer Maintenance Essentials	3.0	*	
IT205	Advanced Computer Maintenance	3.0	*	
NIS160	Networking Core Technologies OR	3.0	*	
IT121	Cisco Internetworking I	(4.0)	*	
IT170	Introduction to Database Design	3.0	*	
IT132	Introduction to HTML OR	3.0	*	
IT130	Website Design and Production	(4.0)	*	
##	Beginning Level Programming Language	3.0	*	
NIS211	Administrating Microsoft Windows Professional	3.0	*	
NIS213	Administrating Microsoft Windows Server	3.0	*	
	<i>Continued on Back</i>			

^ Indicates possible course substitution * Indicates the required courses for the Degree

Computer Literacy: A student must pass an approved three (3) credit hour computer literacy Course (CIS 100-Introduction to Computers) unless the computer competency exam (IC3) Is successfully completed.

NOTES

See your advisor to select the appropriate general education courses from the approved list for the AAS Degree requirements

1. Required developmental courses based on placement scores are not reflected in this list of courses.
2. First time, full-time undecided students and/or students required to take developmental course work will be enrolled in a college success course (GEN 100 or GEN 102).

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Course Number	Course Title	Cr Hrs	AAS Degree	
			Information Tech. Microsoft Networking Certification Track MCSA or MCSE	
			Required	Term
	<i>Continued:</i>			
NIS214	Supporting Microsoft Windows Network Services Infrastructure	3.0	*	
NIS216	Implementing and Administering Microsoft Windows Active Directory	3.0	*	
###	Technical Elective	3.0	*	
###	Technical Elective	3.0	*	
###	Technical Elective	3.0	*	
TOTAL CREDITS		67-69		

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COMMENTS

###Technical Electives for Microsoft Networking Track for MCSE:
 --NIS242 Designing a Windows Directory Services Infrastructure (3.0 hrs)
 --NIS244 Designing a Windows Networking Service Infrastructure (3.0 hrs)
 --NIS245 Designing a Secure Microsoft Windows Network (3.0 hrs)

If student is not interested in MSCE, see list of other technical electives at the bottom of this page.

##Beginning Level Programming Language Courses

CIS143 COBOL Programming
 CIS148 Visual Basic I
 CIS 149 Java Programming I
 CIS 155 Introduction to C/C++ Programming
 IT147 SQL Programming (can not be taken to fulfill technical core requirements)
 CS115 Introduction to Computer Programming
 NIS150 Introduction to Perl Scripting (suggested for electronic commerce option)
 NIS 152 Javascript (suggested for electronic commerce option)

###Technical Electives

Any course from another approved Networking option track
 COE199 Cooperative Education (3.0 hrs)
 NIS270 Network Hardware Installation & Troubleshooting (3.0 hrs)
 NIS290 Selected Topics in Networking and Information Systems (1-4 hrs)
 NIS295 Independent Problems in Network/Information Systems (1-4 hrs)
 CIS280 Internship (3.0 hrs)
 ET102 Blueprint Reading (2.0 hrs)
 ET112 Digital Logic Circuits (4.0 hrs)
 ET256 Microprocessor Fundamentals (4.0 hrs)
 NIS 246 Microsoft SQL Server 7.0 Administration (3.0 hrs)
 NIS 247 Microsoft SQL 7.0 Implementation (3.0 hrs)
 IT270 Database System – Implementation & Management (3.0 hrs)
 Level I or Level II programming language (3.0 hrs)
 Other Technical Electives approved by Program Coordinator

*Curriculum in the KCTCS system is constantly being reviewed and updated to ensure quality and relevance.
 This check sheet should be used only as a guide for meeting the course requirements for each credential.
 See your advisor to confirm the requirements.*