

Information Technology – AAS – Network Administration Option

Cisco Networking Associate Track (63-70 credits)

Available Completely Online

Madisonville
Advising Plan

2009
-2010

Name _____ Empl ID# _____

General Education Requirements

Course	Hrs	Grade	Semester
ENG 101 Writing I	3		
ENG 102 Writing II	3		
MT 150 College Algebra	3		
Science course with a Lab	3-4		
Oral Communications Course	3		
Social Interaction Course	3		
Heritage/Humanities Course	3		

Subtotal Credits: 21-22 hours

Technical Core Courses

Course	Hrs	Grade	Semester
CIS 120 Program Design & Development	3		
CIS 130 Microcomputer Applications <u>or</u> ET 107 Computer Applications for Technicians	3 (4)		
IT 105 Computer Maintenance Essentials <u>and</u> IT 205 Advanced Computer Maintenance <u>or</u>	3 3		
ET 232 Computer Software Maintenance <u>and</u> ET 234 Computer Hardware Maintenance <u>or</u>	(3) (3)		
CIS 110 Operating Systems Concepts <u>and</u> ET 234 Computer Hardware Maintenance	(3) (3)		
Introductory Networking Course (Refer to list of approved courses)	3-4		
IT 170 Introduction to Database Design	3		
IT 132 Web Page Development <u>or</u> IT 130 Web Site Design and Production	3 (4)		
Beginning Level Programming Language (Refer to list of approved courses)	3		

Subtotal Credits: 24-27 hours

Cisco Networking Associate Track Courses

Course	Hrs	Grade	Semester
IT 122 Routing Protocols and Concepts (If IT 120 was taken in the core) <u>or</u> IT 123 Small to Medium Business or ISP Networking (If IT 121 was taken in the core)	4 4		
IT 220 LAN Switching and Wireless <u>and</u> IT 222 Accessing the WAN <u>or</u>	4 4		
IT 223 Introducing Routing and Switching in the Enterprise <u>and</u> IT 225 Designing and Supporting Computer Networks	4 4		
NIS 213 Administering Microsoft Windows Server Topic <u>or</u> NIS 230 UNIX Administration	3 (3)		
Technical Electives (Refer to list of approved technical electives for Network Administration Option)	6		

Subtotal Credits: 21-25 hours

Program Coordinator: Chet Cunningham
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IT–AAS–Microsoft Admin Option–Cisco Networking Associate Track (63-70 credits)

Program Coordinator's Notes:

The Math sequence to College Algebra (MT 150) is the following: MT055 (*Pre-Algebra*) & MT050 (*Developmental Math Workshop*) → MT065 (*Basic Algebra*) → MT 120 (*Intermediate Algebra*) → MT 150 (*College Algebra*).

Introductory Networking Courses:

NIS 246, NIS 247, NIS 248, NIS 213

Beginning Level Programming Language Courses:

CIS 143, IT 147, CIS 148, CIS 149, CIS 155, CS 115, NIS 150, NIS 152

Technical Electives for Network Administration Option:

COE 199, NIS 270, NIS 290, NIS 295, CIS 280, CMS 105, ET 102, ET 112 or ENGT 220 **and** ENGT 221, ET 256, NIS 246, NIS 247, IT 270, NIS 263, NIS 264, Other technical courses approved by the Program Coordinator, any course from another approved Networking Option Track Programming or Scripting Language (*must be different from technical core*)

Information Technology Program Course Sequence - Based on Prerequisites

Note: This is a suggestion and may not apply to every case. Individual sequences may differ. Talk to your advisor or the IT program coordinator for additional information. Students entering this program will need to have basic computer skills such as would be obtained through CIS 100 (Introduction to Computers) or equivalent. Underlined, italicized courses are only required for the Electronic Commerce option, but may be used as technical electives for other options.*

