FALL 2011 **Information Technology – AAS – Network Administration Option**

___Cisco Networking Associate Track 66-74 credit hours

___Cisco Networking Professional Track 67-71 credit hours

Student Name: _____ Empl ID# _____

General Education Requirements (21-22 credits)

Course Required	Hrs	Grade	Semester
ENG 101 Writing I	3		
ENG 102 Writing II	3		
MAT 150 College Algebra	3		
COM 181 Basic Public Speaking or COM 252 Intro. to Interpersonal Communications	3		
Science course with a lab	3-4		
Social Interaction course	3		
Heritage or Humanities course	3		

Technical Core Courses* (24-27 credits) ***CIS 100 is a prerequisite for most IT technical core courses***

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

_____Cisco Networking Associate Track (21-25 credits)

Courses Required	Hrs	Grade	Semester
IT 122 Routing Protocols and Concepts *(Select if IT 120 was Introductory Networking course taken)* **OR** IT 123 Small to Medium Business or ISP Networking (*Select if IT 121 was Introductory Networking course taken)*	4		
IT 220 LAN Switching and Wireless and IT 222 Accessing the WAN **OR** IT 223 Introduction to Routing and Switching in the Enterprise and IT 225 Designing and Supporting Computer Networks	4 & 4		
NIS 213 Administering Microsoft Windows Server Topic **OR** NIS 230 UNIX Administration	3		
Technical Electives *(Refer to list of approved courses for Network Administration option)*	6		

_____Cisco Networking Professional Track (22 credits)

Courses Required	Hrs	Grade	Semester
IT 280 Building Scalable Cisco Internetworks (BSCI)	4		
IT 282 Implementing Secure Converged Wide-area Networks (ISCW)	4		
IT 284 Building Cisco Multilayer Switched Networks (BCMSN)	4		
IT 286 Optimizing Converged Cisco Networks (ONT)	4		
Technical Electives *(Refer to list of approved courses for Network Administration option)*	6		

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Madisonville

HIGHER EDUCATION BEGINS HERE

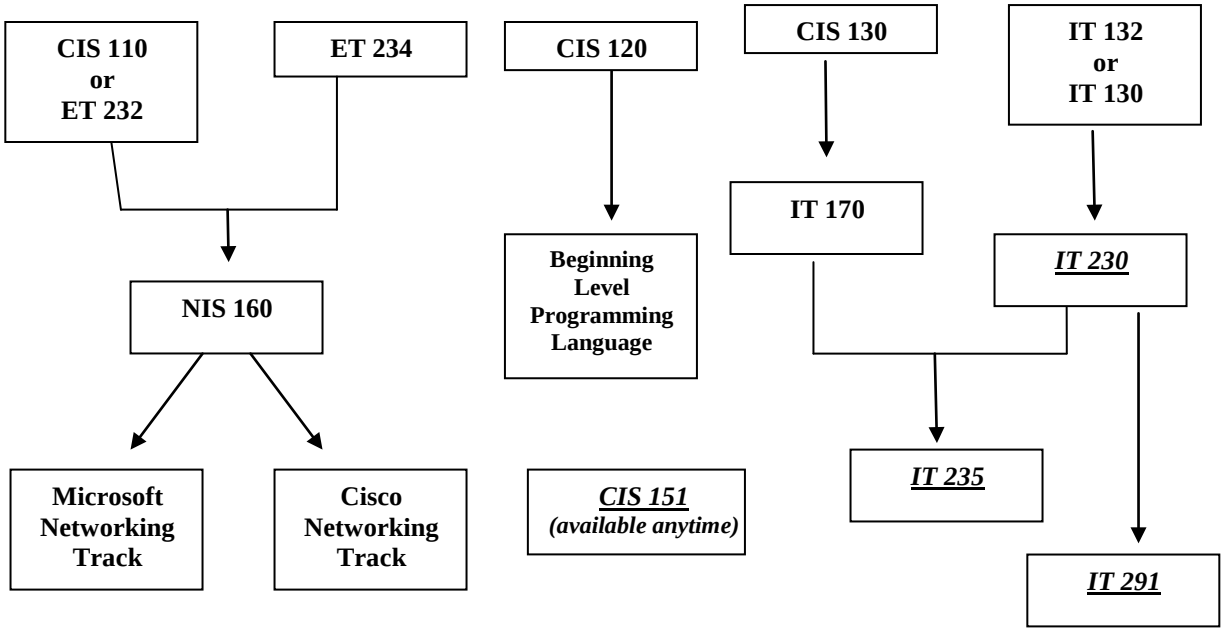
Information Technology – AAS – Network Administration Option
Cisco Networking Associate Track (66-74 credits) & Cisco Networking Professional Track (67-71 credits)

Program Coordinator's Notes:

Introductory Networking Courses:
NIS 160, IT 120**, IT 121 *(**recommended for Cisco Networking Tracks)*

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.

CIS 100 is a prerequisite for most IT technical core courses