CIS: Computer Networking Management A.S. Degree - Windows

FULL TIME

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability.

Catalog: 2024-25

GE Pattern: local AA/AS

Total Units: 60

Start Term: Spring

First Year

Semester 1 (Spring)   16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	CISC 350	Introduction to Data Communications	1	
RE	CISN 119	TCP/IP Protocols	3	
Req	CISN 300	Network Systems Administration	3	
Req	CISN 302	Intermediate Network Systems Administration	3	
Req	CISS 310	Network Security Fundamentals	3	
RE	ENGWR 300 / 480 [H]	College Composition	3	IIa (WC)

Semester 2 (Fall)   15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	CISC 323	Linux Operating System	1	
Req	CISC 361	Information Technology Fundamentals	3	
Req	CISN 110	Networking Technologies - Preparation for N+ Certification	2	
Req	CISN 111	Intermediate Networking Technologies	2	
Req	CISN 307	Windows Active Directory Services	3	
GE	STAT 300 / 480 [H]	Introduction to Probability and Statistics	4	IIb (MC)

Second Year

Semester 3 (Spring)   14 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	CISA 315	Introduction to Electronic Spreadsheets	2	
Req	CISC 320	Operating Systems	1	
RE	CISP 370	Beginning Visual Basic	4	
GE	BUS 312	Workplace Behavior and Ethics	3	IIIb
GE	NUTRI 300	Nutrition	3	IV
GE		any PE activity course	1	IIIa

Semester 4 (Fall)   15 Units

CAREER PATH

Career Options:

- network technical support staff
- network administrator
- network designer
- network systems engineer
- network troubleshooter
- information systems security specialist

Advising Notes:

- Students can substitute ESLW 340 for ENGWR 300/480.

Scheduling Notes:

- CISN 300 is offered in the 1st 8 weeks and CISN 302 is offered in the 2nd 8 weeks, so they can be taken in the same semester.
- CISN 110 is offered in the 1st 8 weeks and CISN 111 is offered in the 2nd 8 weeks, so they can be taken in the same semester.
- CISC 350, 323, and 361 are offered in the 1st 8 weeks.
- CISN 307 is offered in the fall.
- This degree can be started in the spring as well. See a counselor to adjust the coursework.

Other Notes:

- At the end of the second semester, students qualify for the **CIS: Comptuer Networking**

CAT.	COURSE	TITLE	UNIT	GE AREA
Elec	CISS 315	Ethical Hacking	3	
Elec	CISS 330	Implementing Internet Security and Firewalls	3	
GE	BUS 330	Managing Diversity in the Workplace	3	Vb, VI
GE	MUFHL 308	Introduction to Music: Rock & Roll	3	I
GE	POLS 301 / 481[H]	Introduction to Government: United States	3	Va

[H] honors courses

EXPLANATION OF CATEGORIES		
Req	Required Core	A course that is required for this program
RE	Restricted Elective	A course selected from a list of elective courses specified for this program in the course list in the catalog, which can be replaced with another course from the same list
GE	General Education	A course that fulfills a specific general education requirement for a degree, which can be replaced with another course that meets the same requirement
Elec	Degree Elective	A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree

Graduation Requirement

A course that fulfills a specific graduation requirement which can be replaced by another course that meets the same graduation requirement.

MC = Math Competency

WC = Writing Competency

Management certificate, with a Windows concentration.

- This degree, with a Windows concentration, helps prepare students for Microsoft Certified Systems Engineer (MCSE) and/or Microsoft Certified Systems Administrator (MCSA) certification.