

Cybersecurity

Associate of Applied Science (AAS)

2020-21

106 credits

3/30/2020

	UCC Course Number/Title		Credits	Terms	Prerequisites/Notes	
Term 1	CIS 120	Introduction to Computer Information Systems	4	F, W, S, SU	CIS 100 with a grade of C or better, computer placement test score or instructor approval	16
	CIS 122	Orientation to Programming	4	F	MTH 095 or equivalent; placement into WR 121 or higher.	
	CIS 140M or CIS 140L	Introduction to Microsoft Operating Systems or Introduction to Linux Operating Systems	4	F or Su	CIS 120 or instructor approval	
	MTH 095 (or higher)	Intermediate Algebra	4	F, W, S	MTH 065 with a grade of C or better, placement by approved measure, or instructor permission	
Term 2	CIS 111	Computer Systems Configuration	4	W	CIS 120 or instructor approval	16
	CIS 133	Introduction to Programming I	4	W	CIS 122 and CIS 120, or instructor approval	
	CIS 240M	Installing and Configuring Microsoft Windows Server	4	W	CIS 120 or instructor approval	
	WR 121	Academic Composition*	4	F, W, S, SU	WR 115, RD 90 each with a grade of C or better, or appropriate placement test scores or placement by multiple measures; and basic computer word processing skills	
Term 3	CIS 151C	Network Essentials	4	S	CIS 120 or instructor approval	19
	CIS 233	Introduction to Programming II	4	S	CIS 133CS and CIS 275 or instructor approval (CIS 275 may be taken concurrently).	
	CIS 275	Introduction to Data Management Systems I	4	S	CIS 133 or instructor approval	
	CIS 279M	Microsoft Windows Server Administration I	4	S	CIS 240M or instructor approval	
	PSY 101	Psychology of Human Relations	3	F, W, S, SU	None	
Summer						0
Term 4	CIS 152C	Introduction to Basic Switching and Routers	4	F	CIS 151C or instructor approval	18
	CIS 195	Authoring for the World Wide Web I	4	F	CIS 120 or instructor approval	
	CIS 276	Introduction to Data Management Systems II	4	F	CIS 275 and CIS 233 or instructor approval	
	CIS 288M	Microsoft Windows Server Administration II	4	F	CIS 240M or instructor approval	
	CIS 280	Cooperative Work Experience: Computer Information Systems	2	F, W, S, SU	Instructor approval	
Term 5	CIS 125S	Computer Applications – Spreadsheets	3	W	CIS 120 or instructor approval	19
	CIS 284	Network Security Fundamentals	4	W	CIS 240M or instructor approval	
	CIS 285A	Ethical Hacking	4	W	CIS 152C or instructor approval	
	CIS 285B	Advanced Network Device Security (CCNA Security)	4	W	CIS 152C or instructor approval	
	CIS 295	Authoring for the World Wide Web II	4	W	CIS 195 and CIS 275 or instructor approval	
Term 6	CIS 145	Computer Forensics For Ethical Hackers	4	W	CIS 111 and CIS 140M or CIS 140L	18
	CIS 245	Project Management	4	S	CIS 122 or instructor approval	
	CIS 285C	Cloud Services Technologies	3	W	CIS 288M or instructor approval	
	CIS 286A	Virtualization Technologies	3	W	CIS 288M or instructor approval	
	SP 111	Fundamentals of Public Speaking	4	F, W, S, SU	WR 095 with a grade of C or better or placement by approved measures; AND RD 090 with a grade of C or better or placement by approved measure	
Total Credits			106			

Program Advisor:

NOTES:

* Grade of "C" or better in all courses.

Placement scores of MTH 65 or higher and WR 115 or higher are required for entry into the CYB program.

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If students choose to vary from this suggested sequence, then prerequisites and term availability must be watched closely because class time conflicts may arise, and/or desired courses may not be available.