Cybersecurity

(AS General Studies with Concentration in Cybersecurity)

(Transfer Option)

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Associate in Science Degree (4 semesters)

At a Glance

Computer security specialists may plan, coordinate, and implement an organization's information security. These workers may be called upon to educate users about computer security, install security software, monitor the network for security breaches, respond to cyber-attacks, and in some cases, gather data and evidence to be used in prosecuting cybercrime. The responsibilities of computer security specialists has increased in recent years as there has been a large increase in the number of cyber-attacks on data and networks..

If Math courses are taken for math elective credit, the course must be higher level than College Algebra. Computer Science courses DO NOT meet this requirement.

Typing proficiency is a prerequisite for CIS 146 and other programming courses. Students that are not proficient should take a keyboarding class prior to enrollment in computer science courses.

Program: General Studies

AS CYBERSECURITY – Guided Pathway/Map

Semester 1

Item #	Title	Credits
ORI 110	Freshman Seminar	1
ART 100	Art Appreciation	3
ENG 101	English Composition I	3
HIS 101	Western Civilization I	3
MTH 112	Precalculus Algebra	3
PSY 200	General Psychology	3
	Sub-Total Credits	16

Semester 2

Item #	Title	Credits
CIS 251	C++ Programming	3
ENG 102	English Composition II	3
HIS 102	Western Civilization II	3
HUM 101	Introduction to Humanities I	3
MTH 113	Precalculus Trigonometry	3
	Sub-Total Credits	15

Semester 3

Item #	Title	Credits
BIO 103	Principles of Biology I	4
CIS 211	Principles of Information Assurance	3
IDS 102	Ethics	3
MTH 125	Calculus I	4
	Sub-Total Credits	14

Semester 4

Item #	Title	Credits
BIO 104	Principles of Biology II	4
ECO 231	Principles of Macroeconomics	3
CIS 245	Cyber Defense	3
ENG 251	American Literature I	3
MTH 126	Calculus II	4
	Sub-Total Credits	17
	Total credits:	**62**