Computer Information Systems - Cybersecurity Option (CIS.CYS.AAS)

Associate in Applied Science

Business, Management, Marketing and Technology

Auburn Hills Campus

The Computer Information Systems (CIS) associate degrees are designed for students who need general education (e.g., communication, science, mathematics, fine arts, social science) combined with a solid foundation in the fundamental computer skills that are generally required to design, create, and test software, or analyze business system requirements and design solutions, or support and protect the operation of technology resources. These fundamental computer skills are commonly required by most four-year educational programs that offer the types of bachelor degrees most employers look for when hiring information technology professionals. All CIS courses use current computer tools and place an emphasis on practical application to provide a relevant learning environment.

Program Webpage - Click Here **(**https://www.oaklandcc.edu/programs/cis/cybersec.aspx**)**

Program Outcomes and Full Time Plan Example - Click Here **(**https://www.oaklandcc.edu/program-plan/cis.cys.aas**)**

Code	Title	Credit Hours
Major Requirements		
CIS 1200	Introduction to Database Systems	4
CIS 1300	Networking Concepts	4
CIS 1550	Introduction to Secure Programming	3
CIS 1600	Fundamentals of Cybersecurity	4
CIS 1610	Data Security	4
or CIS 2131	Python Programming	4
CIS 1620	Introduction to Cryptography	4
CIS 1630	Security Policy, Legal, Ethics and Compliance	3
CIS 2111	Systems Analysis and Design (UML)	4
CIS 2434	Introduction to Linux and Unix Administration	3
CIS 2535	Microsoft Windows Server Administration	3
CIS 2838	System Security	4
CIS 2845	Computer Forensics	4
Required Supportive Courses		
COM 1290[1]	Interpersonal Communication	3
ENG 1510[1]	Composition I	3-6
or ENG 1510E	Composition I Enhanced	4
or ENG 1510S	Composition I with Support	6
MAT 1150[1]	Intermediate Algebra (or higher level except MAT 1525, MAT 2530 or MAT 2540)	(3-4)
PER 1300	Stress Management: Neuromuscular Relaxation	2
PHI 1710[1]	Introduction to Informal Logic	3
or PHI 2710	Introduction to Formal Logic	3
Total Credit Hours for Program-Related Courses		**58-60**
General Education Requirements		
Communication / English (3-credits)		
Satisfied		
Fine Arts / Humanities (3-credits)		
Satisfied		
Mathematics / Science (3-credits)		
Satisfied		
Social Science (3-credits)		3
Any Social Science from the General Education Distribution List (http://catalog.oaklandcc.edu/graduation-requirements/general-education-distribution/#social-science)		
Written Communication (3-credits)		
Satisfied		
Total Credit Hours		**61-65**

[1]

Course may be used to meet General Education requirements.

A minimum cumulative 2.00 grade point average (GPA) overall is required for graduation.