

Computer Forensics and Digital Security A.S. (CFSS)

The Computer Forensics and Digital Security A.S. program provides a comprehensive foundation in the theory and application of both technical and non-technical security skills. The program covers a range of competencies required by the quickly evolving digital security industry. Some of these skills include applying protection, detection, and response technologies and procedures to identify threats, vulnerabilities, exploits, and controls in various digital environments. Emphasis is placed on identifying, analyzing, mitigating and communicating risks to digital systems using various tools, techniques, and technologies.

Upon successful completion of this program, graduates will be able to:

- describe different types of security breaches.
- construct secure networks and computer programs.
- classify security for different operating systems.
- demonstrate high-level mathematical skills.
- demonstrate effective communication skills.
- explore diversity in the workplace.
- prepare students to transfer to a traditional college or university and concentrate on any of the computer and network security programs offered.

Students should consult the catalog of the four-year college or university to which he or she plans to transfer to ensure that degree requirements are being properly met. Transfer information for this program is on file in the Transfer and University Center. For more information, contact an academic advisor or counselor.

+Required social science elective:

Choose any: ECO 201, ECO 202, PSC 141, PSY 145, PSY 240, PSY 242, SOC 150, SOC 151, SOC 258

◆Required humanities elective:

Choose any: ART 101, ENG 154, ENG 201, ENG 202, ENG 205, ENG 206, ENG 210, ENG 211, HIS 123, HIS 124, HIS 130, HIS 131, MUS 101, PHI 201, PHI 205, SPN 105, SPN 106, FRN 105, FRN 106, ARB 105, ARB 106

First Semester

		Credits
CIS 105	Introduction to Computers	3
CIS 134	Object-Oriented Programming with Python	3
NET 113	A+ IT Technical Support	6
ENG 105	Research and Composition	3
		15

Second Semester

NET 110	Network Essentials	3
CFS 115	Introduction to Digital Security	3
ENG 106	Introduction to Literature	3
MAT 150	Probability and Statistics	3
Elective	Lab Science	4-5
		16-17

Third Semester

CFS 105	Computer Ethics	3
CFS 145	Principles of Information Security	3
CFS 155	Network Security	3.5
Elective ⁺	Social Science	3
MAT 191	Calculus & Analytical Geometry I	4
		16.5

Fourth Semester

CFS 205	Intrusion Detection and Prevention	3
CIS 250	Operating Systems	3
PSY 140	Introduction to Psychology	3
MAT 203	Discrete Mathematics	3
Elective [◆]	Humanities	3
		15

Credit Total

62.5

+Required social science elective:

Choose any: ECO 201, ECO 202, PSC 141, PSY 145, PSY 240, PSY 242, SOC 150, SOC 151, SOC 258

◆Required humanities elective:

Choose any: ART 101, ENG 154, ENG 201, ENG 202, ENG 205, ENG 206, ENG 210, ENG 211, HIS 123, HIS 124, HIS 130, HIS 131, MUS 101, PHI 201, PHI 205, SPN 105, SPN 106, FRN 105, FRN 106, ARB 105, ARB 106

Prior Learning Assessment: Previous job training, certificates and work experience that may qualify for college credit (*see academic advisor*).

Gateway Courses: Based on placement testing in reading, writing and math, these prerequisite courses may have to be taken before placement in College English or Mathematics beginning the first semester and concurrently.

RSS 099	Basic Skills Reading	3
RSS 100	Critical Reading	3
ENG 099	Basic Skills Writing	3
ENG 100	Fundamentals of Writing	3
MAT 090	Mathematical Literacy	6
ESL 251	English for Academic Purpose	6
		(Required for ESL students only.)

Please note, taking gateway courses will increase your time for completion.