

## Cyber Security/Digital Forensics (A.S.)

Curriculum Code: 2730

Semester Hours Required for Graduation: 64

### PROGRAM GOALS:

This curriculum prepares students for transfer to complete work for a bachelor's degree in cyber security, computer security, digital forensics or related fields.

### PROGRAM LEARNING OUTCOMES:

- Identify and demonstrate understanding of computer terminology.
- Describe the individual functions and integrations of the components of the criminal justice system: police, courts, and corrections.
- Recognize and analyze a problem to formulate and implement a solution.
- Demonstrate competency in the use of contemporary technology.
- Use research skills to locate, analyze, and discuss contemporary principles of cyber security and computer forensics.
- Write effectively and verbally communicate technically with clients and peers.
- Articulate either orally or in writing, concepts or theories applicable to cyber security or digital forensics.

### ACADEMIC PREPARATION:

It is highly recommended that the following criteria be met to begin this program, and it is REQUIRED by the completion of 24 credits:

12th-grade reading level is required.

Placement test scores must indicate readiness to begin EN 101-Composition.

Competency in Pre-Algebra or Pre-Statistics is required.

Competency in basic computer skills and knowledge.

### LIBERAL ARTS REQUIREMENTS

32 Semester Hours

EN 101	Composition	3
EN 102	Composition and Literature	3
CJ 102	Introduction to Criminal Justice	3
HU ELE	Humanities Elective	3
HI 103	US History 1492-1865 or	
HI 104	US History 1865-present	3
MA 102	Statistics	3
MA 110	College Algebra	4
PY 101	General Psychology	3
SC 141	Forensic Science	4
SO 101	Introduction to Sociology	3

### PROGRAM REQUIREMENTS

32 Semester Hours

CS 134	Computer and Informatics Science I	4
CS 126	Introduction to Cyber Security	3
CS 156	Network Essentials	3
CS 241	Computer Forensics	3
CS 235	Network Security	3
AC 101	Financial Accounting	3
AC 102	Managerial Accounting	3
CJ 212	Procedural Criminal Law	3
SO 207	Criminology	3
HI 101	Western Civ. 13,000 BCE to 1517 CE or	
HI 102	Western Civ. 1517 to present	3
CE 101	College Experience	1

**Minimum Credits** **64**

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### SUGGESTED PROGRAM SEQUENCE

<i>1st Semester</i>			<i>2nd Semester</i>		
CE 101	College Experience	1	EN 102	Composition and Literature	3
EN 10	Composition	3	AC 102	Managerial Accounting	3
AC 101	Financial Accounting	3	MA 102	Statistics	3
CS 134	Computer and Informatics Science I	4	CS 126	Introduction to Cyber Security	3
CJ 102	Introduction to Criminal Justice	3	SO 101	Introduction to Sociology	3
PY 101	General Psychology	3	Total		15
Total		17	<i>4th Semester</i>		
<i>3rd Semester</i>			CS 241	Computer Forensics	3
MA 110	College Algebra	4	CS 235	Network Security	3
SO 207	Criminology	3	CJ 212	Procedural Criminal Law	3
CS 156	Network Essentials	3	HI 103	US History 1492-1865 or	
HU ELE	Humanities Elective	3	HI 104	US History 1865-present	3
SC 141	Forensic Science	4	HI 101	Western Civ. 13,000 BCE to 1517 CE or	
Total		17	HI 102	Western Civ. 1517 to present	3
			Total		15

Transfer opportunities include but are not limited to: University at Albany-SUNY, Utica College and Excelsior College.