



# INFORMATION TECHNOLOGY

## ASSOCIATE OF APPLIED SCIENCE

### CYBER SECURITY AND COMPUTER FORENSICS TECHNOLOGY

#### DIGITAL FORENSICS OPTION

TECHNICAL Course Number	Course Title	Credits	Completed Sem./Year
ECA127	Programming Logic and Problem Solving	3	
ECA129	Cryptography	3	
ECA137	Computer Crime and Investigation	3	
ECA145	PC Upgrading and Maintenance	3	
HLS xxx	White Collar Crime	3	
HLS xxx	Online Investigative Resources	3	
ECA146	Introduction to Computer Networking	3	
ECA257	File Systems Analysis	3	
ECA258	Cyber Forensics & Data Recovery	3	
ECA275	Ethical Hacking	3	
ECA277	UNIX/LINUX Operating Environment	3	
ECA286	UNIX/LINUX Forensics	3	
HLS2xx	Digital Media Forensics	3	
HLS2xx	Advanced Digital Media Forensics	3	
<b>TOTAL</b>		<b>42</b>	
BASIC/RELATED Course Number	Course Title	Credits	Completed Sem./Year
ACC235	Forensic Accounting and Fraud Investigation	3	
HLS2xx	Forensic Interviewing and Interrogation	3	
MTH125	College Algebra	4	
MTH126	Pre-Calculus	4	
	Select one (1) physical science from BIO101, CHM101, or PHY101	3/4	
<b>TOTAL</b>		<b>17/18</b>	
NON-TECH Course Number	Course Title	Credits	Completed Sem./Year
ACC236	Cyberlaw and Ethics	3	
COM121/123	Effective Speaking or Inter-group Communications	3	
ENG124	College Composition	3	
ENG224	Composition & Literature	3	
<b>TOTAL</b>		<b>12</b>	
<b>TOTAL CREDIT HOURS</b>		<b>71/72</b>	

## FULL-TIME STUDENT - ADVISING NOTES

1. **ACADEMIC ADVISING** - Each student should make an appointment to see their advisor every semester before registering for classes. Please have your registration form completed, including the courses you wish to take, for this meeting.
2. **COURSE SEQUENCE** - The semester-by-semester listing below gives the normal scheduling option for full-time associate degree students who plan to finish in two years. Some courses can be scheduled as beginning courses in other semesters depending upon course availability and advisor's recommendation. Introduction to Algebra should be scheduled before College Algebra by those whose preadmission test indicates the need for it. Introduction to Algebra and selected technical and general studies courses are available summer term.
3. **TECHNICAL ELECTIVES** - Some programs provide for technical electives. Consult with your academic advisor to determine course availability.
4. **BACHELOR'S DEGREE** - In most of the associate degree programs, some courses may be applied toward a bachelor's degree in technology. Bachelor's degree requirements and course transferability are controlled by the institution to which the student plans to transfer. Please inform your advisor if you plan on completing a bachelor's degree after your SSCT engineering technology degree.

### **CYBER SECURITY AND COMPUTER FORENSICS TECHNOLOGY** **Digital Forensics Option**

<u>First Semester</u>		<u>Credit Hours</u>	<u>Prerequisite</u>
ENG124	College Composition	3	ENG101 or Test
ECA127	Programming Logic and Problem Solving	3	-
ECA145	PC Upgrading and Maintenance	3	-
ECA146	Introduction to Computer Networking	3	-
MTH125	College Algebra	<u>4</u>	MTH101 or Test
		16	
<u>Second Semester</u>			
HLS1xx	White Collar Crimes	3	-
ECA137	Computer Crime and Investigation	3	ECA145
MTH126	Pre-Calculus	4	MTH125
ACC236	Cyberlaw and Ethics	3	Co-ECA137
COM121/123	Effective Speaking or Inter-group Communications	<u>3</u>	ENG124
		16	
<u>Third Semester</u>			
ENG224	Composition & Literature	3	ENG124
HLS1xx	Online Investigative Resources	<u>3</u>	ECA137
		6	-
<u>Fourth Semester</u>			
ECA129	Cryptography	3	ECA127
ECA257	File Systems Analysis	3	ACC236, ECA137
ECA277	UNIX/LINUX Operating Environment	3	ECA127
HLS2xx	Forensic Interviewing and Interrogation	3	COM 121/123
HLS2xx	Digital Media Forensics	3	ECA137
	Physical Science	<u>3/4</u>	Co-MTH125
		18/19	
<u>Fifth Semester</u>			
ACC235	Forensic Accounting & Fraud Investigation	3	ECA137, ACC236
ECA258	Cyber Forensics & Data Recovery	3	ECA257
ECA275	Ethical Hacking	3	ECA146 or ECA277
HLS2xx	Advanced Digital Media Forensics	3	ECA2xx
ECA286	UNIX/LINUX Forensics	<u>3</u>	ECA277
		15	

**TOTAL CREDITS**

**71/72**