



INFORMATION TECHNOLOGY

ASSOCIATE OF APPLIED SCIENCE

CYBER SECURITY AND COMPUTER FORENSICS TECHNOLOGY 5450

TECHNICAL Course Number	Course Title	Credits	Completed Sem./Year
ECA127	Programming Logic and Problem Solving	3	
ECA129	Cryptography	3	
ECA134	CCNA Phase I	2	
ECA135	CCNA Phase II	2	
ECA136	Principles of Information Security	3	
ECA137	Computer Crime and Investigation	3	
ECA145	PC Upgrading and Maintenance	3	
ECA146	Introduction to Computer Networking	3	
ECA277	UNIX/LINUX Operating Environment	3	
ECA256	Disaster Recovery and Incident Planning	3	
ECA257	File Systems Analysis	3	
ECA258	Cyber Forensics & Data Recovery	3	
ECA275	Ethical Hacking	3	
ECA278	Firewall and Network Security	3	
ECA286	UNIX/LINUX Forensics	3	
TOTAL		43	
BASIC/RELATED Course Number	Course Title	Credits	Completed Sem./Year
ACC235	Forensic Accounting and Fraud Investigation	3	
ECA122	Computer Applications for Technical Professionals	3	
MTH125	College Algebra	4	
MTH126	Pre-Calculus	4	
	Select one (1) physical science from BIO101, CHM101, or PHY101	3/4	
TOTAL		17/18	
NON-TECH Course Number	Course Title	Credits	Completed Sem./Year
ACC236	Cyber Law & Ethics	3	
COM121/123	Effective Speaking or Inter-group Communications	3	
ENG124	College Composition	3	
ENG224	Composition & Literature	3	
TOTAL		12	
TOTAL CREDIT HOURS		72/73	

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

<u>First Semester</u>		<u>Credit Hours</u>	<u>Prerequisite</u>
ECA122	Computer Applications for Technical Professionals	3	-
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>			
ECA136	Principles of Information Security	3	ECA146
ECA137	Computer Crime and Investigation	3	ECA145
ECA277	UNIX/LINUX Operating Environment	3	ECA127
ENG124	College Composition	3	ENG101 or Test
MTH126	Pre-Calculus	<u>4</u>	MTH125
		16	
<u>Third Semester</u>			
COM121/123	Effective Speaking or Inter-group Communications	3	ENG124
ENG224	Composition & Literature	<u>3</u>	ENG124
		6	
<u>Fourth Semester</u>			
ECA129	Cryptography	3	ECA127
ECA134	CCNA Phase I	2	ECA146
ECA135	CCNA Phase II	2	ECA134
ECA257	File Systems Analysis	3	ACC236, ECA137
ECA286	UNIX/LINUX Forensics	3	ECA277
	Physical Science	<u>3/4</u>	Co-MTH125
		16/17	
<u>Fifth Semester</u>			
ACC235	Forensic Accounting and Fraud Investigation	3	ECA137
ACC236	Cyber Law & Ethics	3	ECA137
ECA256	Disaster Recovery & Incident Planning	3	ECA244
ECA258	Cyber Forensics & Data Recovery	3	ECA257
ECA275	Ethical Hacking	3	ECA131 or ECA277
ECA278	Firewall and Network Security	<u>3</u>	ECA135
		18	

TOTAL CREDITS

72/73