



Cyber Security Associate of Applied Science (A.A.S.) 2018–2019

DESCRIPTION:

The Cyber Security A.A.S. degree program provides a foundation of knowledge and skills that qualifies graduates for many jobs within IT and information assurance. Security functions are being provided by IT workers in many job titles, and many IT workers transition to security-specific jobs. This degree provides courses in the overall IT field as well as in areas specific to security. This makes the Cyber Security A.A.S. degree graduate in demand for many IT related jobs. Courses in networking and operating systems, secure programming, database design, and ethics and legal are provided in addition to the hands-on security courses. For more information, see csc.edu/computerscience.

ADMISSION REQUIREMENTS:

Placement into ENGL 1100 and MATH 1010 or DEV 0114 with a minimum grade of “C”.

ONGOING REQUIREMENTS:

Students must maintain minimum overall GPA required by the College.

OPPORTUNITIES FOR GRADUATES:

Career:

Cybersecurity workers are employed in IT and non-IT areas for every significant employer in the region. Cybersecurity professionals are in short supply across the country. A large and growing job shortage in the field makes security graduates in demand. Cybersecurity specific degrees and certifications command a premium over other IT workers.

Transfer:

Cyber Security graduates may transfer to the Information Assurance Bachelor's degree program at Franklin University.

DEGREE REQUIREMENTS (CYBER SECURITY A.A.S.):**FIRST SEMESTER**

Course	Term	Credits	Milestones/Progress Check
CSCI 1103 Introduction to Programming Logic	AU/SP	3	• *Can be used to prepare for the Microsoft Certified Professional (MCP) Certificate
CSCI 1320 Database Fundamentals	AU/SP	3	
ITST 1101 Industrial Applications & Software	AU/SP/SU	2	
ITST 1102 Industrial Network Communications*	AU/SP/SU	2	
COLS 1100 First Year Experience Seminar	AU/SP/SU	1	
ENGL 1100 Composition I	AU/SP/SU	3	
Semester Credits		14	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI 2781 Computer Security Ethical and Legal Foundations	AU/SP	3	• ** Can be used to prepare students to take the CompTIA Network+ Certificate test
CSCI 1152 Networking Concepts*/**	AU/SP	3	
ITST 2238 Information Security Fundamentals**	AU/SP	3	
ITST 1136 Linux Essentials	AU/SP	3	
CSCI 2802 IT Industry & Career Seminar	On Demand	1	
Semester Credits		13	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI 1772 Networking I	SP	3	
ITT 2252 Scripting Fundamentals	AU/SP/SU	2	
Semester Credits		5	

FOURTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI 2776 Network Security Fundamentals	AU/SP	3	• CSCO 2790 can be used to prepare for the CompTIA Linux+ Certificate test
ITST 2258 Application Security	AU/SP	3	
CSCI 2790 Linux Administration (Linux+)	AU/SP	3	
STAT 1400 Statistical Concepts for Business	AU/SP/SU	3	
CSCI 2752 CISCO Routing and Switching Fundamentals	SP	3	
Semester Credits		15	

FIFTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI 2902 CSCI Practicum or CSCI 2999 Capstone	On Demand	3	•
CSCI 2780 Computer Forensics & Incident Response	SP/AU	3	
CSCI 2783 Ethical Hacking and Systems Defense	SP/AU	3	
HUM Elective (select from HUM Gen Ed list)	AU/SP/SU	3	
Semester Credits		12	

SIXTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
SBS Elective (select from Social & Behavioral Sciences Gen Ed list)	AU/SP/SU	3	
NAT Elective (select from Natural Sciences Gen Ed list)	AU/SP/SU	3	
Semester Credits		6	

AU: Autumn Semester/SP: Spring Semester/SU: Summer Semester
Requirements subject to change.