Cybersecurity & Digital Forensics

Program Map

Bachelor of Applied Science (BAS)

Program description

Bachelor of Applied Sciences in Cybersecurity and Digital Forensics provides students with the breadth and depth of knowledge in cybersecurity and reinforces the skills with hands-on labs.

A degree in Bachelor of Applied Science in Cybersecurity and Digital Forensics enhances opportunities for employment and promotion in a variety of information technology-related positions, such as cybersecurity engineer, cybersecurity analyst, cybersecurity administrator, cybersecurity consultant, network engineer, computer forensic specialist, incident response, penetration tester and software engineer.
Learn More

Key advisors

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Program map

The following program map contains recommended courses to complete your BAS in Cybersecurity & Digital Forensics. This document **does not** replace meeting with an advisor. Meet with an advisor to discuss your educational goals and plans. It is important to ensure you are taking pre-requisite courses for your transfer institution of choice.

Program Pre-Requisite

Associates of Applied Science in Web Development & Data Science	90 CR

Fall

Courses: 15 credits	Credits
CIS 310 - Database Installation & Configuration Management	5
CIS 320 - Secure Routers and Switches Architecture	5
SOC 115 – Crime and Society (General Ed)	5

Action items/milestones

- Meet with Advisor to develop an Academic Plan

Winter

Courses: 15 credits	Credits
CIS 370 - Network Forensics and Investigations	5
CIS 420 - Cloud Security	5
CIS 389 - Big Data Analytics	5

Spring

Courses: 15 credits	Credits
CIS 360 - Mobile Forensics	5
CIS 430 - Mobile Security	5
PSYCH& 100 – Introduction to Psychology	5

Action items/milestones

- Meet with Advisor to review progress on Academic Plan

Summer

Courses: 5 credits	Credits
CMST 320 – Presentation Skills **OR** CMST 330 – Communication & Org. Behavior **OR** ENGL 335 – Advanced Technical Writing (Humanities)	5

Fall

Courses: 15 credits	Credits
CIS 412 - Database Security and Audit	5
CIS 440 - e-Discovery Infrastructure and Practice	5
ECON 330 – Survey of Research Methods for Information Systems and Business (Social Science)	5

Winter

Courses: 15 credits	Credits
CIS 414 - Advanced Database Security	5
CIS 450 - Penetration Testing I	5
PHIL 346 – Professional Ethics (Humanities)	5

Action items/milestones

- Run AAR report from ctcLink to confirm progress toward degree

Spring

Courses: 15 credits	Credits
CIS 460 - Penetration Testing II	5
CIS 480 - BAS Cybersecurity and Forensics Internship	5
ENVS 301 – Environmental Sustainability: An Exploration **OR** Other Natural Science with Lab	5