Online
Certifiate in Cybersecurity 2: Essential System Forensics and Defense
15 Credit Hours

Admission Requirements:

- Application and processing fee.
- Submit official high school and/or college transcripts.
- Students are not required to submit ACT or SAT test scores.

Cost:

- Per Credit: $395
- Per Course: $1,185
- Resource Fee: A $300 resource fee will be administered per part of term.
- Total Tuition: $5,925*

  *Does not include resource fee

Graduation Requirements:

Students must earn a 2.0 GPA or higher to meet graduation requirements and successfully complete all required courses.

Job Outlook in Texas:

129,966 Jobs
Open in 2020*

360,880
Unique Postings (9/16-12/21)

$95,300 per year
Median Earnings

*Filtered by the proportion of the national workforce in these occupations with a Bachelor's degree. Source Emsi Analyst 2022.

Acquired Skills:

Top Hard Skills

- Information Systems
- Operating Systems
- SQL (Programming Language)
- Project Management

Top Common Skills

- Communications
- Management
- Problem Solving
- Leadership

Cybersecurity 2: Essential System Forensics and Defense

Curriculum:

ITO 220: Introduction to Databases and Database Management Systems
A survey of the logical and physical organization of data and their importance in computer processing. Introduces data models, relational database design, and associated ideas. Compares modern DBMS software. Examines data as a strategic organizational resource. Students develop the basic SQL scripting skills necessary to create tables, queries, forms, and reports. Provides initial training towards professional database certification.

ITA 121: PC Service and Support 1
This course concentrates on the fundamentals of computer hardware. Students will be able to describe the internal components of a computer, assemble a computer system, and troubleshoot using system tools and diagnostic software. Students will also learn to connect to the Internet and share resources in a network environment.

ITA 122: PC Service and Support 2
Provides and in-depth look at advanced computer maintenance concepts and techniques. Topics include PC development techniques, troubleshooting strategies, advancement of technological development, and problem-solving strategies.

ITO 415: Networks and Security Administration
Study and practice in administering and securing a multifaceted network and communications infrastructure. Topics include: network standards, protocols, naming systems, configurations, and services; hardware and operating system interoperability; capacity planning and re-engineering; security requirements and procedures; logging and auditing tools; disaster planning; and trouble-shooting and performance tuning.

ITA 336: System Forensics
This course is designed to present methods for assessing potential breaches and determining the scope and possible impacts. Methods such as log analysis, file metadata review, chain of custody, and legal processes are presented.

STACKABLE CERTIFICATE
You're one step closer to a bachelor's degree!

Want to expand your skills in cybersecurity and information technology? This certificate's credit hours are stackable toward ACU's online Bachelor of Science in Cybersecurity degree. It's a great option if you plan on applying for the undergraduate program at a later time. Simply complete the certificate program, and ACU will seamlessly apply your 16 credit hours toward your bachelor's.