Online
Certificate in Cybersecurity
15 Credit Hours

Admission Requirements:

- Application and processing fee
- Transcripts from accredited undergraduate degree
- GPA 3.0, probationary status may be granted
- Resume or CV that includes any related experience in the field of information technology
- International applicants will be required to provide TOEFL scores (if applicable) and transcript assessment for degrees completed outside of the United States

No GRE or GMAT required

Cost:

- Per Credit: $650
- Resource Fee: $200 per course
- Total Tuition Per Course: $2,150
- Estimated Total Tuition: $10,750

Graduation Requirements:
Students must earn a 3.0 GPA or higher to meet graduation requirements and successfully complete all required courses.

Job Outlook in Texas:

288,499 Jobs
Open in 2020*

665,070
Unique Postings (9/16-12/21)

$90,800 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

- Computer Science
- Agile Methodology
- SQL (Programming Language)
- Java (Programming Language)

Top Common Skills

- Communications
- Management
- Problem Solving
- Troubleshooting

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2023-2024 Academic Year

Certificate in Cybersecurity

Curriculum:

IT 620: Information Assurance and Control
Investigates the impacts of technology on data quality and reliability. Covers foundations of IT security, encryption and authentication, the value of information as a strategic resource, data quality issues, information security standards, and contemporary principles of knowledge management.

IT 622: Risk Management and Compliance
Explores policy addressing compliance to legal and ethical standards, including FERPA, COPPA, GDPR, Federal Sentencing Guidelines, GLBA, SOX, etc. Introduces risk management planning best practices such as: ISACA COBIT, ITIL, and NIST. (CSEC 2) (Prereq: IT 620).

IT 621: Advanced Information Assurance Management
Covers the advanced domains of the Information Systems Security Professional (CISSP) common body of knowledge. Domains range from forensics and legal topics to physical and operations security to programming, cryptography and network security. Prepares students to take the CISSP exam. (CSEC 5) (Prereq: IT 620 Information Assurance and Control).

IT 633: System Certification & Accreditation
Integrates risk management planning, enterprise architectures and compliance issues in the design and development of a system certification and accreditation program based on recognized standards such as NIST and ISO 27000. (CSEC 3) (Prereq: Risk Management and Compliance).

IT 642: Incident Management and Response
Applies cyber incident handling process concepts based on NIST 800-61, 800-53 IR control family and other standards to develop a realistic incident management program. (CSEC 4) (Prereq: Risk Management & Compliance).