Cybersecurity - Threat Detection

Graduate Certificate
18 Credit Hours

This program is offered by the George Herbert Walker School of Business and Technology. It is available online, at the St. Louis main campus and at select U.S. and international campuses. Please see the Campus Locations and Offerings section of this catalog for a list of campuses where this program is offered.

For information on the general requirements for a certificate, see Certificate Program Policies and Procedures under the Academic Policies section of this catalog.

Program Description

This certificate focuses on expanding the student's knowledge and understanding in the areas of forensics and threat detection techniques and processes. Courses in the certificate provide an understanding of types of information and data threats, as well as analyzing those threats and conducting forensic investigations post-attack. The primary goal of this certificate program is to support IT/CS professionals seeking to specialize in threat detection and forensic aspects of cybersecurity.

This cybersecurity certificate program is intended for computer science, information technology, information security and related experienced professionals with the goal of expanding their understanding of cybersecurity policies, practices, methods and related technology advancements within the discipline. **This certificate program is NOT intended for students without an undergraduate degree and/or professional experience in these disciplines.**

Webster University is designated as a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE).

Requirements

- CSSS 5120 Cybersecurity Infrastructures (3 hours)
- CSSS 5130 Cybersecurity Intelligence/Counter-intelligence (3 hours)
- CSSS 5210 Cybersecurity Law & Policy (3 hours)
- CSSS 5160 Encryption Methods and Techniques (3 hours)
- CSSS 5220 Cybersecurity Threat Detection (3 hours)
- CSSS 5230 Cybersecurity Forensics (3 hours)

NOTE: CSSS 5000 is not a prerequisite requirement for this certificate.

Admission

See the Admission section of this catalog for general admission requirements. Students interested in applying must submit their application online at www.webster.edu/apply. Transcripts should be sent from your institution electronically to transcripts@webster.edu. If this service is not available, send transcripts to:

Office of Admission
Webster University
470 E. Lockwood Ave.
St. Louis, MO 63119

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