GRADUATE CERTIFICATE IN CYBER SECURITY

Overview

The graduate certificate in cyber security is designed for graduate students who are (i) admitted to the M.S in electrical engineering or computer science engineering, or (ii) eligible to take graduate level engineering courses within the Electrical Engineering and Computer Science (EECS) Department at The University of Toledo. The program requires completion of four cyber security-related graduate courses (12 cr hr). The certificate program provides the software and hardware cyber security foundation needed to secure employment in the general domain of cyber security.

A minimum GPA of 3.0 with no grade below C are required for certificate completion.

ADMISSION REQUIREMENTS

Applicants to the cyber security certificate are expected to meet the admission requirements for the M.S. in electrical engineering or computer science & engineering degree program. Students currently enrolled in a graduate program can add the certificate to their matriculation - contact the College of Graduate Studies for more information.

Application requirements:

- **Degree:** Applicants must hold a four-year bachelor's degree from a regionally accredited college or university
- **GPA:** Applicants must have at least a 3.0/4.0 grade point average from previous undergraduate coursework or a 3.3/4.0 for previous graduate coursework
- **Application:** UToledo application required
- **GRE:** Required for applicants whose degree is from a non-US institution.
- **Transcripts:** Required
- **Statement of Purpose:** Required
- **Letters of Recommendation:** 3
- **Proof of English language proficiency:** Required for students from non-English speaking countries. See University graduate admissions for minimum test score requirements and exceptions.

Application priority deadlines for admission:

- **Fall:** March 1
- **Spring:** October 1
- **Summer:** January 15

PROGRAM REQUIREMENTS

The certificate consists of any 4 courses from the list below:

Code	Title	Hours
EECS 5720	Fundamentals of Cyber Security	3
EECS 5640	Inside Cryptography	3
EECS 5760	Computer Security	3
EECS 5790	Network Security	4
EECS 6650	Hardware Oriented Security and Trust	3

- PLO 1. Apply specialized knowledge and skills gained through the certificate program to solve cybersecurity and related computer science problems.
- PLO 2. Demonstrate competency commensurate with the master's education for one or more of the following activities, related specifically to cybersecurity: design, develop, integrate, simulate, prototype, test, verify or validate a component, subsystem, system in hardware or software.