

MASTER OF SCIENCE IN CYBERSECURITY



Prepares individuals for demanding positions in public and private sectors overseeing, operating or protecting critical computer systems, information, networks, infrastructures and communications networks. Students will be well-versed in the knowledge and critical thinking related to domestic and international legal systems, and to private and public policies and ethics, as they apply cybersecurity to information protection, terrorism, fraud, theft, intelligence/ counterintelligence, digital forensics, and pre-emptive and strategic force operation application situations.

TARGET AUDIENCE:

IT professional, law enforcement agency personnel, or anyone in charge of protecting the assets of a company on up to the CEO.

ADMISSION REQUIREMENTS:

- No GRE, or GMAT required.
- An undergraduate GPA of 2.4 and above.
- Some type of background in Information Systems.

COST:

<http://www.webster.edu/admissions/graduate/tuition.html>

REGISTRATION PROCEDURE:

Via contact person above or visit the website at www.webster.edu/greatlakes.

ACADEMIC CALENDAR:

Semesters

DELIVERY MODE:

Cohort model. Core courses and a pre-determined set of electives will be delivered as classroom courses. Students may opt into other electives via online study.

LOCATION(S) OF COURSES:

University Center at Grayslake

TEXTBOOK PURCHASE:

MBS Direct or other online services

TRANSFER HOURS POLICY:

Most Webster graduate programs accept up to 12 hours of graduate transfer credit not already attached to a degree.

TOTAL HOURS NEEDED:

40 credit hours

FINANCIAL AID:

<http://www.webster.edu/financialaid/>

SPECIAL CHARACTERISTICS:

- Graduates will be capable of explaining important principles and theories used throughout the field of cybersecurity.
- Graduates will be capable of applying knowledge in the field of cybersecurity to analyze real-world problems.
- Graduates will be capable of effectively integrating knowledge in the field of cybersecurity to propose solutions to real-world problems.

CONTACT PERSON(S):

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Great Lakes, IL 60088

WEBSITE:

<http://www.webster.edu/greatlakes/>

REQUIRED COURSES:

CORE COURSES

CSSS 5000	Introduction to Cybersecurity (Requisite)
CSSS 5110	Cybersecurity Communications
CSSS 5120	Cybersecurity Infrastructures
CSSS 5130	Cybersecurity Intelligence/ Counterintelligence
CSSS 5140	Cybersecurity Strategic Operations
CSSS 6001	Practical Research in Cybersecurity
CSSS 6002	Practical Research in Cybersecurity*
WSBT 5000	Career Success in the 21st Century

Four elective courses chosen from the following:

CSSS 5210	Cybersecurity Law and Policy
CSSS 5220	Cybersecurity Threat Detection
CSSS 5230	Cybersecurity Forensics
CSSS 5240	Pre-emptive Deterrence
CSSS 5250	Use and Protection of Space Assets
CSSS 5260	Encryption Methods and Techniques
CSSS 5990	Advanced Topics in Cybersecurity**

* All students in this curriculum must complete the CSSS 6001 and CSSS 6002 Practical Research in Cybersecurity capstone courses over two sequential terms as a practical research paper, an internship or an individual or team project for a total of six credit hours and 72 contact hours. To learn more, visit our online catalog: webster.edu/gradcatalog

** A maximum of two CSSS 5990 Advanced Topics in Cybersecurity courses may be counted toward the 40 required credit hours. The student must also select two additional electives from CSSS or other Webster elective credit courses that may be offered at the location where the student is completing their MS requirements.