Cybersecurity

Required Courses

Why Choose the Cybersecurity Certificate?

Responding to industry demands for knowledge workers in Cybersecurlty, the Cybersecurity Certificate is a certificate that was created to increase the options available for Ferris State University students and professionals seeking to supplement their education In Cybersecurity, Digital Forensics, and Incident Response. In addition to earning the certificate, students may earn Industry certifications such as Cellebrite Mobile Forensics, AccessData ACE, EC Council's Certified Network Defender(CND), and Comptia's Security+. By supplementing their education with the Cybersecurlty Certificate, it Is believed that Ferris State University students will increase their employment opportunities. Courses are taught by faculty in the Information Security and Intelligence program

• The National Security Agency and the Department of Homeland Security have designated Ferris State University as a National Center of Academic Excellence in Cyber Defense Education.

• The Department of Defense Cyber Crime Center (DC3) and the Air Force Office of Special Investigations has named Ferris State University as the first university to obtain designation as a National Center of Digital Forensics Academic Excellence.

• Ferris State University is a host site for the Michigan Cyber Range. This provides students with a unique opportunity to develop skills In detecting, preventing, and responding to cyber-attacks in a controlled setting that approximates the real world. The Cyber Range allows for actual performance of cyber security techniques such as penetration testing, digital forensics, malware analysis, and other information technology pursuits In a logically isolated system that has connectivity potential nationwide.

Career Opportunities

This certificate prepares you for careers such as a Security Analyst, Digital Forensics Examiner, Network Security Analyst, and Incident Response. The certificate may compliment and augment knowledge and skills in many other majors and careers such as Systems Administration, Systems Analysis, and Criminal Justice. Opportunities exist in government, business, health care, Insurance, finance, and education fields.

Admission Requirements

New Students SAT Scores

- 3.0 High School GPA (on a 4.0 scale)

- SAT Math Score of 550 or higher
- Submit a 750 to 1,000 word essay to the Admissions Office that addresses the following: Who they are and why they desire admission to the ISI program, description of a personal quality, talent, accomplishment, contribution, or experience, and a description of someone that influenced them and why.

New Students ACT Scores

- 3.0 High School GPA (on a 4.0 scale)
- ACT Math Score of 22 or higher
- Submit a 750 to 1,000 word essay to the Admissions Office that addresses the following: Who they are and why they desire admission, description of a personal quality, talent, accomplishment, contribution, or experience, and a description of someone that influenced them and why.

Transfer Students

- Combined college or university GPA of 3.0 (on a 4.0 scale) from all institutions attended. GPA based on completion of 24 credit hours or more. Developmental courses will not be considered in computing the GPA requirement.
- Completion of the transfer equivalency for FSU's MATH 114/115 with a grade of "C" or higher (this does not include FSU's equivalent of MATH 117) or a ACT Math score of 22 or higher or SAT Math score of 550 or higher.
- Submit a 750 to 1,000 word essay to the Admissions Office that addresses the following: Who they are and why they desire admission , description of a personal quality, talent, accomplishment, contribution, or experience, and a description of someone that influenced them and why.

More Information:
Additional guidance can be found on the College of Business web page under the Admissions tab.

Graduation Requirements

You will receive the Cybersecurity Certificate after completion of the required twelve credits with a minimum 2.0 grade point in each required course.

No more than 50% of the credits in this certificate may be transferred from another institution, nor, will this certificate be granted if more than 50% of the certificate credits are specifically required in the student's major.

More Information

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