Syracuse University

CYBERSECURITY
SEMESTER

The 18-credit undergraduate Cybersecurity Semester addresses the urgent need for developing future leaders in an increasingly vital discipline of cybersecurity. Coursework includes how to build and verify highly assured systems.

LEARNING OUTCOMES

Students graduating from this program will be able to:

· identify and analyze vulnerabilities in systems
· assess the risks faced by systems
· develop countermeasures to remedy risks
· develop systems that are secure
· deliver software components or systems that have verifiable assurance properties

PREREQUISITES

· Background in Computer Science or Computer Engineering
· Junior or Senior Undergraduate Status
· Students must have completed appropriate prior coursework
· GPA of 3.3 or higher preferred
· Discrete mathematics, programming experience in a high-level language, familiarity with Linux at the command-line level
· May require U.S. Citizenship or Permanent Resident status to be eligible for internship opportunities (optional part of the program)

COURSES

Our program of study consists of a core set of courses, electives to meet individual student needs, and professional development.

Core

· CIS 400: Certified Security by Design
· CSE 484: Introduction to Computer and Network Security
· CIS 487: Access Control, Security, and Trust

Electives

· Tailored to individual student needs
· Electives from EECS and across Syracuse University

Professional Preparation

· Internship
· Leadership development

ELIGIBILITY

· Open to all Syracuse University students.
· Open to all ROTC scholarship cadets from any academic institution.
· Limit of 10 non-Syracuse University scholarship cadets at cost neutrality.

APPLICATION PROCESS

Applications must be submitted on or before 11:59pm EDST on March 18, 2018.

To apply, email a single PDF file with the following items to cyberengineering@syr.edu:

· Resume
· Unofficial college transcripts (including transfer credits)
· A 100-word biography (include hobbies, interest, and goals) with a recent headshot photograph

A letter of recommendation from an academic advisor or faculty member must be sent to the above email directly from the reference by the deadline. For ROTC cadets, a letter of reference from ROTC detachment leadership is also acceptable.

To the extent possible, we will make admission decisions on a rolling basis.

Engineering & Computer Science
Syracuse University

SYRACUSE UNIVERSITY'S COMMITMENT TO VETERANS