COMPUTER SCIENCE (BS)
CYBERSECURITY CONCENTRATION

WPI students pursuing a BS in Computer Science may choose to earn a Cybersecurity Concentration within this major. Requirements include a security-focused MQP and 2 units of relevant courses from within the existing Computer Science distribution areas.

A Cybersecurity Concentration prepares WPI graduates for entry into security-focused careers and shows prospective employers that your education meets their needs in this important area.

Curriculum

Students taking the Cybersecurity Concentration must:

1. Satisfy 2/3 units in core Cybersecurity classes from:

   a. Software Security Engineering (CS 4401)
   b. Tools and Techniques in Computer Network Security (CS 4404)
   c. Introduction to Cryptography and Communication Security (CS 4801/ECE 4802)
   d. Other Cybersecurity-specific courses subject to program approval

2. Satisfy 1/3 units in courses discussing societal impacts of security from one of:

   a. Cyberlaw and Policy (GOV 2314)
   b. Social Implication of Information Processing (CS 3043)
   c. Other Cybersecurity-related societal impacts courses subject to program approval

3. Satisfy 3/3 units in additional courses from:

   a. Operating Systems (CS 3013)
   b. Computer Networks (CS 3516)
   c. Advanced Computer Networks (CS 4516)
   d. Distributed Computing Systems (CS 4513)
   e. Mobile and Ubiquitous Computing (CS 4518)
   f. Any of the core Cybersecurity courses listed above that are not used to meet the core requirement
   g. Other Cybersecurity-related courses subject to program approval

4. Complete a Cybersecurity-related Major Qualifying Project, subject to program approval

Graduate courses may be counted towards the Cybersecurity Concentration at the discretion of the program.