For more information on the concentration, please contact
Yi Yang, Ph.D.
Department of Electrical Engineering and Computer Science
School of Engineering
The Catholic University of America
Washington, DC 20064
yangy@cua.edu (Email)
faculty.cua.edu/yangy (Web)
202-319-4765 (Phone)
202-319-5195 (Fax)
Selected Faculty Publications


On-Site Facilities

• Network Security Lab: 313 Pangborn Hall
• 10 Desktop Computers
• 15 MicaZ Motes from Memsic, Inc.
• 12 MTS310 Sensor Boards

Summer Internships

Students can apply for paid summer internships, working closely with faculty and graduate students in the network and information security concentration. Applicants for internships should send the following materials via email to the program director, Yi Yang, Ph.D., yangy@cua.edu.

• Résumé
• Transcripts
• Letter of intent
• Letter of recommendation attesting to applicant’s ability to undertake research

Or mail documents to:
Yi Yang, Ph.D.
The Catholic University of America
School of Engineering
314 Pangborn Hall
Washington, DC 20064

Why Network and Information Security?

As businesses, government offices, and nonprofit organizations have come to rely on highly sensitive, proprietary data, online and computer-specific security takes on an increasingly vital role. As a result, those with knowledge and experience in building, maintaining, and defending networks are well prepared for job opportunities in the field.

Students who complete the concentration in network and information security at Catholic University will know how to:
• Stop hackers
• Fight against viruses
• Protect computers and networks from attacks
• Anticipate future needs for network security

Core Courses

In addition to individual projects and research work with faculty, students take the following courses to complete the concentration:

- EE/CSC 323: Introduction to Computer Networks
- EE/CSC 569: Computer Security and Privacy
- EE/CSC 565: Information Security
- EE/CSC 526: Network Security
- EE/CSC 524: Secure Programming
- EE/CSC 581: Cryptography and Steganography

This interdisciplinary concentration started accepting students during spring 2011 for both Bachelor of Science in Computer Science and Bachelor of Electrical Engineering majors. Undergraduate students can start the concentration from as early as their junior year, and graduate students can also specialize in network and information security.