CONTACT US
To learn more about Villanova's Master of Science in Cybersecurity, please contact:

richard.perry@villanova.edu
610.519.4969

or visit

cybersecurity.villanova.edu

HOW TO APPLY
To apply:

enggradapp.villanova.edu

MASTER OF SCIENCE
CYBERSECURITY

Like Villanova's College of Engineering on Facebook

Connect with us on LinkedIn

VILLANOVA UNIVERSITY
College of Engineering

800 Lancaster Avenue
Villanova, PA 19085

VILLANOVA UNIVERSITY
College of Engineering
WHY CYBERSECURITY?

“The demand for cybersecurity experts is growing at a pace 12 times the overall job market, making it one of the most sought-after fields in the country.”
CIO Journal, March 4, 2013

In a world connected and powered by billions of mobile devices, computer networks and industrial systems, there is a critical need to secure and protect individuals and corporations, the military and government, financial institutions, healthcare providers and our national infrastructure.

By all accounts there are simply not enough skilled professionals to meet even the current need, let alone the need projected over the next five years. Whether your interest lies in systems, policy or operations, Villanova University’s Master of Science in Cybersecurity will prepare you for success in this rapidly growing, ever-evolving field.

WHY VILLANOVA?

Convenience and Flexibility
Regardless of your stage in life or career, Villanova University’s Cybersecurity graduate program is designed to meet your needs:
• Enroll full-time or part-time
• Take evening classes on campus or participate virtually through the E-Learning program
• Attend class online in real-time or access the recording at your convenience

Faculty Expertise
The faculty are cybersecurity solution architects, chief technology officers and heads of research and development. They’ve worked for the government and corporate America, and for you as a student, your faculty’s “real-world” experience is invaluable.

Something More
What defines a Villanova Engineer? They are leaders, innovators, whole-brain engineers, problem-solvers and communicators who distinguish themselves in the job market and ultimately the workplace.

CURRICULUM

Degree completion = 10 courses (30 credits)
• Two required core courses
  • Cryptography and Network Security
  • Cybersecurity Threats and Defense
• Two courses from one of the specialization areas below:
  • Systems
  • Policy
  • Operations
• Two additional courses from any of the specialization areas above
• Four electives

If you decide to pursue the thesis-option, your electives must include Independent Study and Research I & II courses.

MEET THE FACULTY

Richard Perry, PhD
Associate Professor of Computer Engineering
Areas of expertise:
• Cryptography
• Network security
• Programming

Danai Chasaki, PhD
Assistant Professor of Computer Engineering
Areas of expertise:
• Computer networks and security
• Embedded systems
• Multi-core processors

Charles Pak, PhD
Adjunct Professor, Senior Cyber Security Solution Architect at Computer Sciences Corporation
Areas of expertise:
• Cyberterrorism
• Cyber warfare
• Information security
• Enterprise security

James Solderitsch, PhD
Adjunct Professor, Accenture Tech Labs, Cyber Security Group, R&D Manager
Areas of expertise:
• Active defense
• Big data analytics for security
• Industrial control system security
• Data protection and privacy

Scott Streit
Adjunct Professor, Chief Technology Officer at Intervise
Areas of expertise:
• Cloud computing
• Semantic web
• Ethical hacking