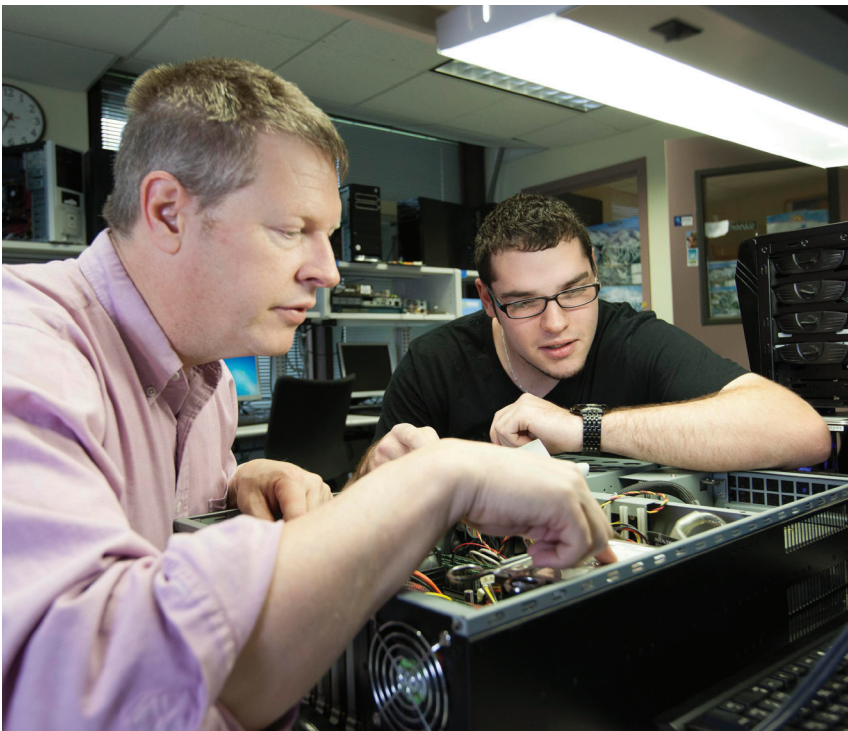# CYBERSECURITY & NETWORKING

Cybersecurity & networking specialists combine their computer system knowledge with their ability to communicate and problem solve. Through hands-on learning and internships, you will learn to design and develop solutions that ensure network safety for companies, making you a well-qualified candidate for a job in a rapidly developing, constantly evolving, and highly sought-after field.

+ Are you a computer hobbyist capable of doing more than the average computer user?

+ Do you enjoy tinkering with computers or picking them apart to see how they work?

+ Does solving complex and dynamic puzzles excite you?

+ Are you interested in digital forensics or network security?

STUDENT EXPERIENCE

Learn and Do More at RWU

We focus on teaching our students the skills and tools needed to enter the workforce. Throughout your studies, you will work with various simulators that emulate the computer hardware, software, and networking you'll see in organizations. With these tools, students build real-time networks, conduct penetration testing, and learn how to do security analysis and monitoring.

CAREER OUTLOOK

RWU cybersecurity & networking alumni are working as:

- Security Analysts
- Network Engineers
- Network Administrators
- Technical Support Engineers

ALUMNI SPOTLIGHT

I was fortunate to have great teachers that really laid it out in layman's terms that made sense. They teach you from the ground up. I didn't have to know a lot about networking or programming before I started because you start at the basic 100 levels and then work your way up.

Matthew Silva '19,
SOC Analyst at Threat Stack, Inc.

Roger Williams University

www.rwu.edu

visit **rwu.edu/go/cybersecurity**
for program informaiton

Get a Great Internship

Built into the curriculum is a guaranteed internship for each RWU student. Internships allow you to implement classroom theory in real-time practice and experience what it's like to work in the industry. Often, these internships lead to full-time job offers. Internship placements include:

- Dell SecureWorks
- Raytheon
- Security Weekly
- MediTech
- FM Global
- Naval Undersea Warfare Center
- Police Crime Lab

CURRICULUM

Structure

Students study aspects of computing and technology related to TCP/IP networking, telecommunication, and computer security. TCP/IP is the single most prevalent technology used in everything from cell phones and fitness trackers to mainframe computer systems.

We focus on hands-on knowledge of computers, routers, switches and other technologies with an added focus on security. This provides students with insight into the current technology needs of corporations. Your course of study begins with learning the fundamentals of computer hardware, software, and security techniques. You will learn programming languages such as Java, C++ and Python.

As you progress through the program, you will take courses covering other specialty areas of cybersecurity such as:

- Digital Forensics
- Penetration Testing
- Cryptography
- Firewalling and Defense

Faculty

Our program is designed and taught in collaboration with industry experts. You can find some of our faculty on SecurityWeekly.com and facilitating Cyberpatriot teams. Many courses are taught by professionals who are actively working in the industry and know what techniques and tools are being used every day. Interested in a particular area of security that isn't already covered in our courses? Work one-on-one with your faculty advisor to create an independent study or projects directly related to your interests.

OVER 80% OF RWU STUDENTS GRADUATE WITH MORE THAN JUST A SINGLE MAJOR

RWU students have paired **cybersecurity & networking** with:

- Computer science
- Psychology
- Criminal justice
- Web development

Roger Williams University

APPLICATION DEADLINES
Early Action, November 15
Regular Decision, February 1

Apply online using the Common Application at **you.rwu.edu/apply** or www.commonapp.org

www.rwu.edu