

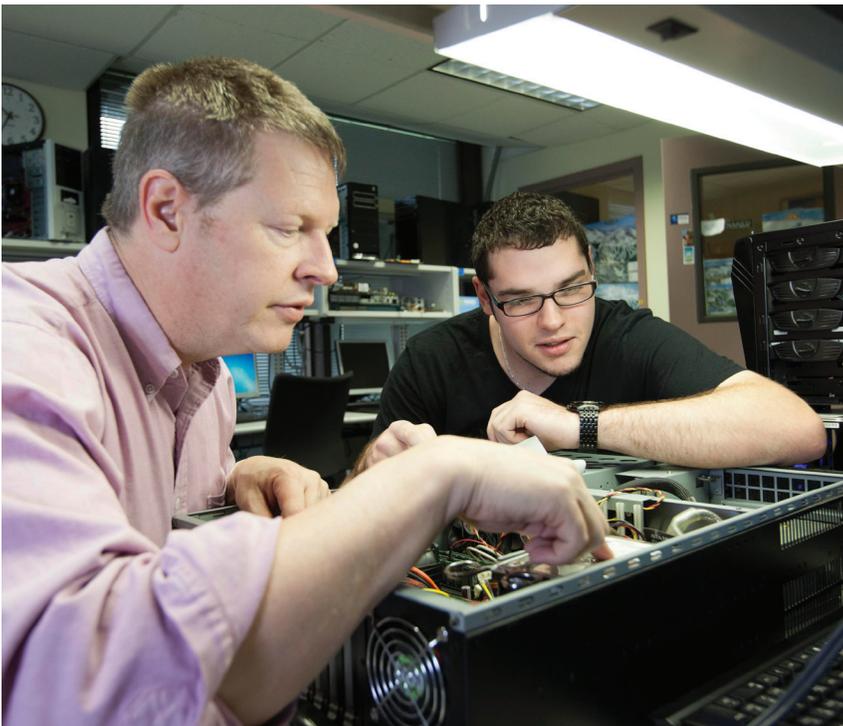
# CYBERSECURITY & NETWORKING

Cybersecurity & Networking specialists combine computer system knowledge with communication and problem-solving. Learn to design and develop solutions that ensure network safety for companies through hands-on learning and internships, making you a well-qualified candidate for a job in a rapidly developing, constantly evolving, and highly sought-after field.

## STUDENT EXPERIENCE

### Learn and Do More at RWU

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



- + Are you interested in digital forensics or network security?
- + Do you enjoy tinkering with computers or picking them apart to see how they work?
- + Are you a computer hobbyist capable of doing more than the average computer user?
- + Does solving complex and dynamic puzzles excite you?

## 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 professors 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  
Cybersecurity & Networking  
SOC Analyst at Threat Stack, Inc.

## Get a Great Internship

Every Cybersecurity & Networking major completes a guaranteed internship. You'll 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. Work one-on-one with your faculty advisor to create an independent study or projects directly related to your interests.

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.

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

Design your experience with your passion and have a unique career advantage with a minor or double major. Many students combine **Cybersecurity & Networking** with:

- Computer Science
- Psychology
- Criminal Justice
- Web Development

*Last Updated: July 2021*