

A man is seated at a desk in a server room, typing on a keyboard. The room is dimly lit with blue light from the computer monitors. In the background, there are rows of server racks and other computer workstations. One monitor in the background displays the Ubuntu logo.

GRADUATE PROGRAMS AT ROGER WILLIAMS UNIVERSITY

MASTER OF SCIENCE IN **CYBERSECURITY**



MASTER of SCIENCE in CYBERSECURITY

AT ROGER WILLIAMS UNIVERSITY

With the increased use of technology worldwide, the threat levels to both organizations and individuals are constantly on the rise. Organizations require cybersecurity experts to guard against the proliferation of globalized threats that have emerged from intelligence gathering, anti-espionage, cyber warfare; and most importantly cyber-response and defense.

Roger Williams University's Master of Science in Cybersecurity was created by industry professionals in conjunction with faculty members to meet this industry demand for trained specialists by providing the most comprehensive education possible. Skills acquired through the M.S. in Cybersecurity include computer programming, networking, assessment and analysis, development of solutions and forensics, with reporting skills that combine technical knowledge, situational management and problem solving.

Ideal candidates have some technical background or are willing to pursue study prior to beginning the program to develop their technology background. The program is designed around industry certifications and standards and provides a diverse background leading to entry-level careers (for those transitioning from other areas) and career advancement (for those with prior background in technology).

The program is taught **ONLINE** using virtual environments to support simulation and analysis of operating systems. Theory and practice are both considered critical components of the program. Students complete a limited on-site matriculation for a capstone project and a thesis demonstrating research capabilities.

The Program:

Course Requirements for the Master of Science in Cybersecurity

- CJS 542 Digital Forensics I
- CJS 545 Law for Forensics Professionals
- SEC 600 Security Essentials I
- SEC 605 Auditing of Networking, Security, and Technology
- SEC 615 Intrusion Detection: Firewalling and Defense
- SEC 620 Malware Analysis and Malicious Software
- SEC 625 Pen Testing and Incident Response
- SEC 630 CyberIntelligence and Cybersecurity

One Elective from SEC 500 or 600 courses (or other approved elective)

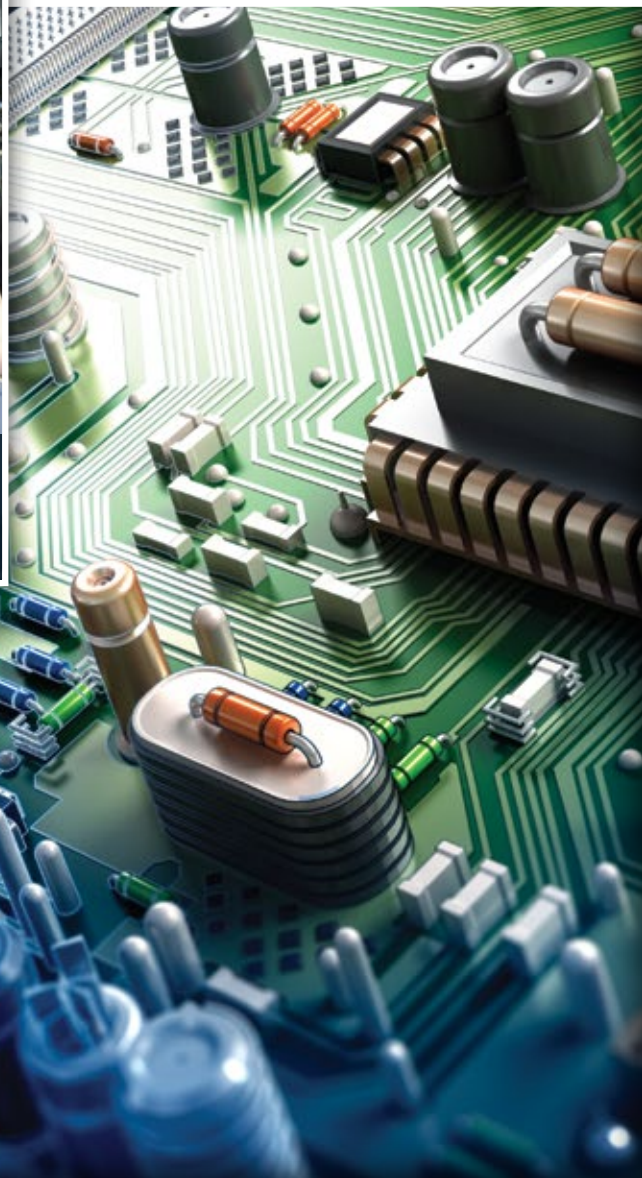
- SEC 650 Cybersecurity Research and Thesis

GET TO KNOW OUR FACULTY! Visit <http://rwu.edu/go/sjsfaculty>

A recognized expert in the technology industry, Dr. Doug White has worked in the industry for over 20 years as a programmer, networking administrator, security specialist and consultant. He brings the experience he's gained working with banks, utilities and other clients as a security consultant, technology specialist, penetration tester, forensics analyst and more to his teaching.



- **DOUG WHITE, Ph.D.**
Program Director and
Director of the RWU Center for Forensics,
Applied Networking & Security



MASTER of SCIENCE in CYBERSECURITY

AT ROGER WILLIAMS UNIVERSITY

Certificates:

Roger Williams University offers three cyber-related graduate certificates: **Cybersecurity, Cyberspecialist, Digital Forensics**. These certificates may be pursued alone or in combination with the master's degree. If pursued alone, the Cybersecurity, Cyberspecialist and Digital Forensics certificates may be used as credits toward the master's degree. A student may be awarded the Master of Science in Cybersecurity after the successful completion of the three certificates (Cybersecurity, Cyberspecialist, Digital Forensics).

Applying to the M.S. in Cybersecurity Program

To be considered for admission to the M.S. in Cybersecurity Program, applicants do not need to hold an undergraduate degree from a computer science-related field. However, applicants must hold an earned bachelor's degree from an accredited college or university and have a minimum level of computer science knowledge. Some students may be required to take the following prerequisite courses offered online:

- SEC 430 Special Topics: Accelerated TCP/IP Networking Concepts
- SEC 430 Special Topics: Accelerated C++ Programming

Contact the Program Director, Professor Doug White at (401) 254-3165 or dwhite@rwu.edu for details. To apply, submit the following **required** materials:

1. Official transcripts of all undergraduate and graduate coursework
2. Two letters of recommendation attesting to your potential for success in graduate school
3. Criminal background check (BCI check) from state of residence (applicants who need assistance with this process should contact the Office of Graduate Admission)
4. Completed online application and \$50 application fee

Note: *International students may have additional requirements and should contact the Office of Graduate Admission.*

Preferred Application Deadline: August 1 for Fall, December 15 for Spring, April 15 for Summer

Additional Graduate Programs

Offered by the School of Justice Studies:

Master's Degrees:

- Criminal Justice
- Public Administration
- Leadership
- Joint M.S.C.J./J.D.

Graduate Certificates:

- Health Care Administration
- Leadership
- Public Management

Financial Aid is available for eligible students. Contact the Graduate Financial Aid Office at 401.254.4510 or visit StudentAid.gov/eligibility for more information. Learn more about our student consumer information: <http://rwu.edu/go/student-consumer-info>

While every effort has been made to ensure that information in this publication is accurate and up to date, additional or new information can always be found at www.rwu.edu.

OFFICE OF GRADUATE ADMISSION

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Roger Williams
University