



[CYB.SEC.AS; CIP Code 43.0403]

### Associate in Science (A.S.) – Transfer

The Cybersecurity field is listed as one of the fastest growing fields by the U.S. Department of Labor Statistics. This program is designed to be approachable, practical, and a good foundation for further study. The Associate in Science (AS) degree in Cybersecurity is designed to provide two academic years of college study for transfer to a four-year college or university.

#### Program Learning Outcomes

Upon Completion of this program, students should be able to:

- Identify security risks and summarize possible remedies.
- Use evidence-gathering protocols to locate, recover, and analyze digital evidence using forensics techniques and best practices for evidence recovery.
- Install and configure a Linux and/or Windows system and identify security risks and possible remedies
- Apply for least one industry-recognized certification, such as CEH Certified Ethical Hacker), CompTIA CSA (Cybersecurity Analyst), CompTIA A+ (Hardware repair).

Are you ready to get started at RCSJ? Visit [RCSJ.edu/Enroll](https://www.rcsj.edu/enroll) and complete the interest form.

# Cybersecurity, A.S.

**This is a 3+1 option program with Rowan University.**

#### FIRST YEAR - Fall Semester

<input type="checkbox"/> EN 101 English Composition I	3
<input type="checkbox"/> MA 110 College Algebra	3
<input type="checkbox"/> CS 101 Introduction to the Microcomputer	3
<input type="checkbox"/> CS 217 Introduction to Networks	4
<input type="checkbox"/> General Education Humanities Elective	3
	16

#### Spring Semester

<input type="checkbox"/> EN 102 English Composition II	3
<input type="checkbox"/> MA205 Statistics I	3
<input type="checkbox"/> CS 229 Linux Installation and Configuration	3
<input type="checkbox"/> CS 242 Principles of Information Security	3
<input type="checkbox"/> General Education Elective	3
	15

#### SECOND YEAR - Fall Semester

<input type="checkbox"/> CS 226 Network Infrastructure Implementation	3
<input type="checkbox"/> CS 240 Security +	3
<input type="checkbox"/> CS 241 Computer Forensics	3
<input type="checkbox"/> General Education Lab Science Elective	4
<input type="checkbox"/> General Education Social Science Elective	3
	17

#### Spring Semester

<input type="checkbox"/> CS 212 Programming in C ++	4
<input type="checkbox"/> CS 265 Ethical Hacking	4
<input type="checkbox"/> IT 116 Workplace Ethics	1
<input type="checkbox"/> General Education Diversity Elective	3
	12

**TOTAL CREDITS: 60**

This program prepares students to continue their education at a four-year college or university in fields such as Security Technician, Security Analyst, Security Administrator, and Security Auditor.

#### National Security Agency

National Centers of Academic Excellence in Cyber Defense Program of Study Validation



After completing the Cybersecurity A.S., students may choose to continue with the bachelor's degree pathway at RCSJ.

The 3+1 pathway enables students to complete three years of coursework at RCSJ and one year at Rowan University to earn a bachelor's degree. The 3+1 pathway follows Rowan's course curriculum, with junior year classes taught by RCSJ advanced-degree faculty.

## Computing and Informatics 3+1

### THIRD YEAR — Fall Semester

<input type="checkbox"/> CS 112 Computer Science II	4
<input type="checkbox"/> CS 232 Data Structures and Algorithms	4
<input type="checkbox"/> EN 201 British Literature	3
<input type="checkbox"/> SP 203 Effective Speech	3
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	14



### Spring Semester

<input type="checkbox"/> CS 337 Applied Database Technologies	3
<input type="checkbox"/> CS 216 Intermediate Java Programming	4
<input type="checkbox"/> MA 211 Discrete Math	4
<input type="checkbox"/> Elective	3
	<hr/>
	14



**FOURTH YEAR** — After completing the third year at RCSJ, students will seamlessly transfer to Rowan University for their senior year. 3+1 team members at both institutions work closely with students to guide them through the process.



### Industry & Employment Opportunities

#### Bachelor

Security Technician, Security Analyst, Security Administrator, and Security Auditor

#### Master

Computer and Information Research Scientist

## Questions?

### About 3+1:

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[RCSJ.edu/3plus1](https://rcsj.edu/3plus1)