



[CYBRAS; 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

Students who have completed the program 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)

Cybersecurity, A.S.

3+1 option in Computing and Informatics

FIRST YEAR – Fall Semester

☐ ENGL 101 English Composition I or ENGL 101E Enhanced English Composition I	3–4
☐ MATH 114 College Algebra or MATH 110 Algebra and Trigonometry	3
☐ CSCI 101 Introduction to Microcomputers	3
☐ CISM 217 Introduction to Networks	4
☐ _____ General Education Humanities Elective	3
	16–17

Spring Semester

☐ ENGL 102 English Composition II	3
☐ MATH 103 Statistics I	3
☐ CYBR 229 Linux Installation and Configuration	3
☐ CISM 200 Principles of Information Security	3
☐ _____ General Education Social Science Elective or General Education Humanities Elective	3
	15

SECOND YEAR – Fall Semester

☐ CYBR 226 Network Infrastructure and Implementation	4
☐ CYBR 240 Security +	3
☐ CYBR 241 Computer Forensics	3
☐ _____ General Education Lab Science Elective	4
☐ _____ General Education Social Science Elective	3
	18

Spring Semester

☐ CSCI 205 Programming in C++	4
☐ CYBR 265 Ethical Hacking	4
☐ ETEC 116 Workplace Ethics	1
☐ _____ General Education Global & Cultural Awareness Elective	3
	12

TOTAL MINIMUM CREDITS: 60

Program Notes

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.

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



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

The 3+1 Program 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 & Informatics 3+1 Program

THIRD YEAR — Fall Semester

☐ CSCI 112 Computer Science II	4
☐ CSCI 220 Data Structures and Algorithms	4
☐ ENGL 201 British Literature I	3
☐ SPEH 101 Effective Speech	3
	14

Spring Semester

☐ CYBR 337 Applied Database Technology	3
☐ CSCI 216 Objects and Data Abstraction using Java	4
☐ MATH 201 Discrete Mathematics	3
☐ ____ Elective	3
	13

STEP 1

START AT RCSJ
CYBERSECURITY (A.S.)

STEP 2

END AT
ROWAN UNIVERSITY
COMPUTING AND
INFORMATICS (B.A.)

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



Industry & Employment Opportunities

Bachelor's

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

Master's

Computer and Information Research Scientist



Questions

About 3+1 Program:
3plus1@rcsj.edu

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