



[AS - CIS; CIP Code 11.0101]

Associate in Science (A.S.) – Transfer

The transfer program in Computer Information Systems (CIS) provides a strong foundation in both business studies and information systems. The concepts of information systems and the hands-on experience gained in the design, development, and implementation of business applications provide this foundation. Students will be prepared to transfer to a four-year college, begin a career working in the information systems field, or apply their knowledge in programming, web development, and/or computer technology in an organization.

Program Learning Outcomes

Students who have completed the program should be able to:

- Demonstrate basic knowledge of information systems principles and the fundamental skills of business, programming, and application software in a business computing environment.
- Analyze a problem, critically investigate, and define computing requirements appropriate to its solution.
- Demonstrate knowledge of programming processes, including planning, writing, testing, executing, and debugging.
- Demonstrate knowledge of web and database design, development, and management in a business information environment

Program Contact

Irena Skot, Associate Professor and Coordinator, Computer Information Systems and Digital Marketing
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✦ Are you ready to get started at RCSJ? Visit [RCSJ.edu/Enroll](https://www.rcsj.edu/Enroll) and complete the interest form. ✦

Computer Information Systems, A.S.

3+1 option in Data Analytics

FIRST YEAR – Fall Semester

☐ ENGL 101 English Composition I <i>or</i>	
ENGL 101E Enhanced English Composition I	3-4
☐ MATH 103 Statistics I	3
☐ CISM 101 Introduction to Computers	4
☐ CISM 151 Web Development - HTML/CSS	4
	14-15

Spring Semester

☐ ENGL 102 English Composition II	3
☐ CISM 114 Fundamentals of Programming	4
☐ CISM 119 Spreadsheets - Excel	4
☐ CISM 152 Advanced Web Development	3
	14

SECOND YEAR – Fall Semester

☐ ECON 101 Principles of Economics (Macro)	3
☐ CISM 210 Relational Databases	4
☐ CISM 251 Web Programming	3
☐ _____ General Education Humanities Elective	3
☐ BUSN 200 Principles of Management	3
	16

Spring Semester

☐ ECON 102 Principles of Economics (Micro)	3
☐ CISM 207 Management Information Systems	3
☐ CISM 264 Database Application Development	3
☐ CISM 200 Principles of Information Security	3
☐ _____ General Education Lab Science Elective	4
	16

TOTAL MINIMUM CREDITS: 60



After completing the Computer Information Systems, 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.

Data Analytics 3+1 Program

THIRD YEAR — Fall Semester

☐ CSCI 125 Introduction to Data Science	3
☐ CYBR 337 Applied Database Technologies	3
☐ CSCI 205 Programing in C++	4
☐ _____ General Education Humanities Elective ¹	3
☐ CISM 200 Principles of Information Security	3
	16

Spring Semester

☐ SPEH 101 Effective Speech	3
☐ CSCI 225 Programming in R	2
☐ MATH 203 Statistics II	3
☐ _____ General Education Global and Cultural Awareness Elective ¹	3
☐ DATA 301 Research Methods & Ethical Issues in Data Analysis	3
	14

STEP 1

START AT RCSJ
COMPUTER INFORMATION
SYSTEMS (A.S.)

STEP 2

END AT
ROWAN UNIVERSITY
DATA ANALYTICS (B.S.)

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.

Program Notes

¹ Students should contact their advisor to clarify four-year degree transfer requirements and refer to the College catalog for course prerequisites.



Industry & Employment Opportunities

Bachelor's

Data Center Computer Operations, Database Administrator, Data Engineer, Information Management

Master's

Principal Data Scientist, College Professor



Questions

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

About the program:
Karen Durkin, Assistant Dean,
STEM Division | Assistant Professor,
Mathematics, kdurkin@rcsj.edu

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