[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 provides 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 will 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
- Communicate effectively and professionally with a broad range of audiences
- 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, Assistant Professor
Coordinator, Computer Information Systems
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Are you ready to get started at RCSJ? Visit *RCSJ.edu/Enroll* and complete the interest form.

Computer Information Systems, A.S.

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

FIRST YEAR —Fall Semester

❑	ENG 101 English Composition I	3
❑	MAT 103 Statistics	3
❑	CIS 102 Introduction to Computers	4
❑	CIS 151 Web Development – HTML/CSS	4
		14

Spring Semester

❑	ENG 102 English Composition II	3
❑	CIS 110 Fundamentals of Programming	4
❑	CIS 120 Spreadsheets – EXCEL	4
❑	CIS 154 Advanced Web Development	3
		14

SECOND YEAR — Fall Semester

❑	ECO 101 Principles of Economics I	3
❑	CIS 210 Relational Databases	4
❑	CIS 251 Web Programming	3
❑	Humanities elective	3
❑	Business elective*	3-4
		16-17

Spring Semester

❑	ECO 102 Principles of Economics II	3
❑	CIS 207 Management Information Systems	3
❑	CIS 264 Database Application Development	3
❑	Program elective**	3
❑	Lab Science elective	4
		16

TOTAL MINIMUM CREDITS: 60

Program Notes

Business Elective*
Select 1 of the following courses
  BUS 102 Accounting I
  BUS 107 Business Law I
  BUS 207 Accounting Information Systems
  BUS 221 Principles of Marketing
  BUS 224 Social Media Marketing and Web
            Analytics
  BUS 231 Principles of Management

Program Elective**
Select 1 of the following courses
  CIS 200 Principles of Information Security
  CIS 220 IT Help Desk/Technical Support
  CEP 211 Internship Career Connections

BUS 231 is recommended for transfer to Wilmington University
CIS 200 is recommended for transfer to Wilmington University

Offered Online

This program is also offered fully online. Participants in this program will be enrolled as a cohort to encourage support and collaboration. This means that all students in the cohort will be scheduled together in 5- or 7-week courses for the duration of the program. Typically, students will take two courses within each 7-week block. In an average semester, all students will have completed at least 12 credits. Courses in the Fall and Spring Semester will be taught in 7-week blocks. Courses in the Winter and Summer Semesters will be taught in 5-week blocks.

3+1 years + 1 year Rowan College SOUTH JERSEY · Rowan University

*After completing the **Computer Information Systems, 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.

Data Analytics 3+1

THIRD YEAR — Fall Semester

- ❑ CSC 106 Introduction to Data Science — 3
- ❑ CIS 300 Applied Database Technologies — 3
- ❑ CSC 205 Programming in C++ — 4
- ❑ ___ ___ Elective Artistic Literacy — 3
- ❑ CIS 200 Principles of Information Security — 3

Spring Semester

- ❑ SPE 101 Oral Communications — 2
- ❑ CSC 225 Programming in R — 2
- ❑ MAT 203 Statistics II — 3
- ❑ ___ ___ Elective Global Literacy — 3
- ❑ DATA 301 Research Methods & Ethical Issues in Data Analysis — 3

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

Master's
Principal Data Scientist, College Professor

Questions?

About 3+1: Alescia Kennon, *akennon1@rcsj.edu*

About the program. Erin Bethusiem, Instructor I, *ebethus1@rcsj.edu*

RCSJ.edu/3plus1