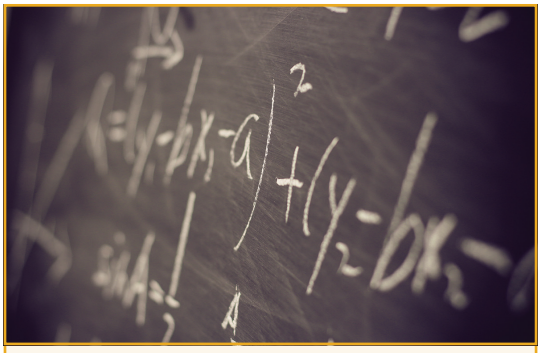

Mathematics, A.S.

[AS-MAT; CIP Code 27.0101]

Associate in Science (A.S.) — Transfer

This program is designed for students who have chosen Mathematics as a major field of concentration and it will prepare students to transfer into a Bachelor of Science or Bachelor of Arts degree program.

Program Learning Outcomes

Students who have completed the program will be able to:

- Demonstrate theoretical knowledge in advanced mathematics
- Perform abstract mathematical reasoning
- Read, interpret and analyze quantitative information
- Apply mathematical concepts and solve problems

Program Contact

Greg Buthusiem, Associate Professor, Mathematics
gbuthusi@rcsj.edu

Are you ready to get started at RCSJ? Visit ***RCSJ.edu/Enroll*** and complete the interest form.

FIRST YEAR — Fall Semester	
❑ ENG 101 English Composition I	3
❑ MAT 108 Calculus I[1]	4
❑ CSC 101 Introduction to Programming	4
❑ ___ ___ Social Science elective[2]	3
❑ ___ ___ Free elective[4]	1–4
	15–18
Spring Semester	
❑ ENG 102 English Composition II	3
❑ MAT 122 Calculus II	4
❑ MAT 201 Discrete Mathematics	3
❑ ___ ___ Science elective[3]	4
❑ ___ ___ Free elective	1–4
	15–18
SECOND YEAR — Fall Semester	
❑ MAT 202 Linear Algebra	3
❑ MAT 221 Calculus III	4
❑ ___ ___ Science elective[3]	4
❑ SPE 101 Oral Communication	3
	14
Spring Semester	
❑ MAT 205 Differential Equations	4
❑ MAT ____ Mathematics elective	3–4
❑ ___ ___ General Education elective	3–4
❑ ___ ___ Humanities elective	3
❑ ___ ___ Social Science elective[2]	3
	16–18
TOTAL MINIMUM CREDITS: 60	

Program Notes

[1] Students who need prerequisite Mathematics courses before beginning Calculus I will need more than four semesters to complete the degree

[2] Students should consult the institutions to which they wish to transfer when selecting elective courses. Economics is recommended for Social Science elective.

[3] A minimum of eight credits in a two-semester laboratory science sequence is required. PHY 201 Physics I (calculus-based) and PHY 202 Physics II (calculus-based) are recommended for most transfer institutions.

Students planning to transfer to Rowan University should:

1. Take ECO 101 Principles of Economics I (Macro) and ECO 102 Principles of Economics II (Micro) as Social Science electives.
2. Take PHY 201 Physics I (calculus-based) and PHY 202 Physics II (calculus-based) as Science electives.
3. Take a four-credit science course as a General Education elective.

[4] Program Elective Suggestion: CSC-106 Data Science