



[ARTGPHAS; CIP Code 24.0101]

Associate in Arts and Science (A.S.) – Transfer

The Arts and Sciences: Physics Option will provide students two years of concentrated study for those who plan to pursue a baccalaureate degree in physics or related disciplines. Humanities and social science electives are incorporated to provide a broad educational experience.

Program Learning Outcomes

Students who have completed the program should be able to:

- Understand and apply fundamental principles to the study of science overall including the health sciences
- Develop and demonstrate the basic skill set, techniques and procedures required to do laboratory work in the physics and physics-related sciences

Arts and Sciences: Physics Option, A.S.

FIRST YEAR – Fall Semester

☐ ENGL 101 English Composition I <i>or</i> ENGL 101E Enhanced English Composition I	3–4
☐ PHYS 125 Physics for Everyday Life <i>or</i> PHYS 115 Astronomy	4
☐ CHEM 101 General Chemistry I	4
☐ MATH 130 Calculus I	4
	15–16

Spring Semester

☐ ENGL 102 English Composition II	3
☐ PHYS 201 Physics with Calculus I	4
☐ CHEM 102 General Chemistry II	4
☐ MATH 140 Calculus II	4
	15

SECOND YEAR – Fall Semester

☐ PHYS 202 Physics with Calculus II	4
☐ MATH 225 Calculus III	4
☐ MATH 212 Linear Algebra	3
☐ _____ Free Elective	2–4
☐ SOCI 130 Society, Ethics, and Technology	3
	16–18

Spring Semester

☐ MATH 230 Differential Equations	4
☐ PHYS 203 Physics with Calculus III	4
☐ _____ General Education Humanities Elective	3
☐ _____ General Education Social Science Elective	3
	14

TOTAL MINIMUM CREDITS: 60

Program Notes

Students planning to transfer to Rowan University should:

1. Take a non-PHIL class for the Humanities elective
2. Take a non-SOCI class for the Social Science elective
3. Take PHYS 00300 Modern Physics, on Rowan University's campus in Spring semester of their second year

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