



## Arts and Sciences: Physics Option, A.S.

[AS-ASC-PHY; CIP Code 24.0101]

### Associate in 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 Learnings

Students who have completed the program will 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

#### Program Contact

Dr. Nasra Sultana, Associate Professor  
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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. ✦

#### FIRST YEAR – Fall Semester

<input type="checkbox"/> ENG 101 English Composition I	3
<input type="checkbox"/> PHY 121 Physics for Everyday Life or PHY 105 Modern Astronomy	4
<input type="checkbox"/> CHM 111 General Chemistry I	4
<input type="checkbox"/> MAT 108 Calculus I	4
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#### Spring Semester

<input type="checkbox"/> ENG 102 English Composition II	3
<input type="checkbox"/> PHY 201 Physics I (calculus-based)	4
<input type="checkbox"/> CHM 112 General Chemistry II	4
<input type="checkbox"/> MAT 122 Calculus II	4
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#### SECOND YEAR – Fall Semester

<input type="checkbox"/> PHY 202 Physics II (calculus-based)	4
<input type="checkbox"/> MAT 221 Calculus III	4
<input type="checkbox"/> MAT 202 Linear Algebra	3
<input type="checkbox"/> ___ ___ Free elective	2-4
<input type="checkbox"/> SOC 130 Society and Technology	3
	<hr/> 16-18

#### Spring Semester

<input type="checkbox"/> MAT 205 Differential Equations	4
<input type="checkbox"/> PHY 203 Physics III (calculus-based)	4
<input type="checkbox"/> ___ ___ Humanities elective	3
<input type="checkbox"/> ___ ___ Social Science elective	3
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**TOTAL MINIMUM CREDITS: 60**

#### Program Notes

Students planning to transfer to Rowan University should:

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