

Gloucester County College
ARTS AND SCIENCES – PHYSICS Option
Associate in Science (A.S.) – Transfer
Program Requirements

The Associate Degree Arts and Sciences - Physics Option will provide students two years of concentrated study for those who plan to pursue a baccalaureate degree in physics science or related disciplines. Humanities and social science electives are incorporated to provide a broad educational experience. Students who have completed the program will be able to:

- Successfully transfer to four-year institutions to continue pursuit of a scientific degree in the physics sciences or related disciplines.
- 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.

<u>FIRST YEAR - Fall Semester</u>			<u>Credits</u>
_____	COM 101	English Composition I	3
_____	PHY 122	Physics for Everyday Life	
		or	
_____	PHY 105	Modern Astronomy	4
_____	CHM 111	General Chemistry I	4
_____	MAT 108	Calculus I	4
_____	PHI _____	Humanities Elective	3
			18
<u>Spring Semester</u>			
_____	COM 102	English Composition II	3
_____	PHY 201	Physics I (calculus-based)	4
_____	CHM 112	General Chemistry II	4
_____	MAT 122	Calculus II	4
_____	_____	Social Science Elective	3
			18
<u>SECOND YEAR - Fall Semester</u>			
_____	PHY 202	Physics II (calculus-based)	4
_____	MAT 221	Calculus III	4
_____	BIO _____	Biology Elective *	4
_____	HPE _____	Health and Physical Education Elective	1-3
			13-15
<u>Spring Semester</u>			
_____	MAT 205	Differential Equations	4
_____	PHY 203	Physics III (calculus-based)	4
_____	CSC _____	Programming Elective	4
_____	SOC 130	Society and Technology	3
			15
<u>TOTAL MINIMUM CREDITS:</u>			64

* Students must select one: BIO 101, BIO 103 or BIO 104.