

NEW PROGRAM

Rowan College of South Jersey

Associate in Applied Science in Photonics, (A.A.S)

Career and Technical Education Division

Semester Sequence of Courses

This program offers courses in Optics and Photonics to educate individuals to be employed as technicians in the field and be able to continue their education in photonics.

The program objective is to train skilled technicians in photonics and prepare graduates for advanced study in Photonics

First Semester		Credits
ENGL 101	English Composition I	3
PHYS 120	Intro to Photonics	3
MATH 121	Pre-Calculus	4
PHYS 123	Fundamentals of Physics I	4
— —	Humanities General Education Elective	<u>3</u>
		17
Second Semester		
ENGL 102	English Composition II or	
COMM 103	Technical and Scientific Writing	3
PHYS 117	Introduction to Geometric & Wave Optics	4
MATH 103	Statistics	3
PHYS 124	Fundamentals of Physics II	4
ENGR 108	Digital Electronics for Engineers	<u>3</u>
		17
Third Semester		
CSCI 111	Computer Science I	4
PHYS 220	Fiber Optic Technology	3
PHYS 135	Imaging and Vision	3
ENGR 107	Electronics for Engineers	<u>3</u>
		13
Forth Semester		
PHYS 230	Photonic Metrology Methods	3
PHYS 235	Laser & Electro-Optic Devices	3
DRAF 113	CAD II Advanced AutoCAD	3
PHYS 239	Photonic Seminar	1
— —	Social Science General Education Elective	<u>3</u>
		13
Total Minimum Credits:		<u>60</u>