



[PHO.AAS; CIP Code 40.0087]

Associate in Applied Science (A.A.S.) – Career

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.

Program Learning Outcomes

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

Photonics, A.A.S

FIRST YEAR – Fall Semester

☐ ENGL 101 English Composition I <i>or</i> ENGL 101E Enhanced English Composition I	3–4
☐ PHYS 120 Intro to Photonics	3
☐ MATH 121 Pre-Calculus Mathematics	4
☐ PHYS 123 General Physics I	4
☐ ____ General Education Humanities Elective	3
	17–18

Spring Semester

☐ ENGL 102 English Composition II <i>or</i> COMM 103 Technical and Scientific Writing	3
☐ PHYS 117 Introduction to Geometric & Wave Optics	4
☐ MATH 103 Statistics I	3
☐ PHYS 124 General Physics II	4
☐ ENGR 108 Digital Electronics for Engineers	3
	17

SECOND YEAR – Fall Semester

☐ CSCI 111 Computer Science I	4
☐ PHYS 220 Fiber Optic Technology	3
☐ PHYS 135 Imaging and Vision	3
☐ ENGR 107 Electronics for Engineers	3
	13

Spring Semester

☐ PHYS 230 Photonic Metrology Methods	3
☐ PHYS 235 Laser & Electro-Optic Devices	3
☐ ETEC 113 CAD II Advanced AutoCAD	3
☐ PHYS 239 Photonic Seminar	1
☐ ____ General Education Social Science Elective	3
	13

TOTAL MINIMUM CREDITS: 60

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and complete the interest form. ✦