

Technical Studies/Optics Technology Option– A.A.S.

Associate in Applied Science – A.A.S.

Effective Date: 7/1/19-6/30/20 | CATALOG: UG19

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
OPTC101	Fundamentals of Optics I	3	<input type="checkbox"/>
OPTC107	Standards of Optics	3	<input type="checkbox"/>
OPTC112	Measurement and Analysis I	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TSC000	Technical Core Elective	3	<input type="checkbox"/>
OPTC140	Conventional Optics Manufacturing I	3	<input type="checkbox"/>
TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing & Communication	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
OPTC121	Ray Optics	3	<input type="checkbox"/>
TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

Humanities/Social Science Gen Ed Requirement: Choose from the list of approved courses listed in the College catalog

Technical Studies Core or Program Electives Courses (Recommended)			
Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. In addition to the recommended courses, individuals without sufficient technical training experience can select courses in one of the programs/options listed below to satisfy the Technical Studies and Program Elective credit requirements. All courses should be selected with assistance from a faculty advisor.			
OPTC210	Measurement and Analysis II (SP 1 st Year)	3	<input type="checkbox"/>
OPTC217	Optical Materials I (FA 2 nd Year)	3	<input type="checkbox"/>
OPTC225	CNC Optics Manufacturing I (FA 2 nd Year)	3	<input type="checkbox"/>
OPTC231	Fundamentals of Optics II (SP 2 nd Year)	3	<input type="checkbox"/>
OPTC240	Conventional Optics Manufacturing II (SP 2 nd Year)	3	<input type="checkbox"/>
OPTC247	CNC Optics Manufacturing II (SP 2 nd Year)	3	<input type="checkbox"/>
OPTC255	Advanced Optical Systems (SP 2 nd Year)	3	<input type="checkbox"/>

Technology General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
COMS110	Computer Concepts and Applications	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.