

Technical Studies

Industrial/Technical Option

A.A.S. Degree Program – Catalog Year 2018-2019

The AAS in Technical Studies degree program is designed to provide students the opportunity to apply their work experience to earning an associate degree in applied science. Students can earn credit for their work experience while they prepare for career advancement. Up to 20 credits may be awarded for work experience, including military experience, trade/proprietary school preparation, apprenticeship programs, and on-the-job-training.

Faculty Contacts/Program Chairs

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Transfer Information

Associate of Applied Science (AAS) degrees are intended to prepare students for immediate entry into the workforce. The NJ Statewide Transfer Agreement does not guarantee the transfer of credit/coursework when a student earns an AAS degree and continues on to a four-year institution to complete a bachelor's degree. Students are encouraged to work closely with OCC faculty and Advising Transfer Services. Students planning to transfer to a four-year institution in NJ can explore the "Transfer Programs" feature on NJ Transfer www.njtransfer.org.

Career Information

The Associate of Applied Science Degrees are designed to provide students with the knowledge and skills necessary to start employment upon graduation. Several of the A.A.S. degrees provide the opportunity for the student to gain work experience by offering internship credit. These degrees are usually technical in nature and prepare the student for certification and licensing exams necessary to work in their field of choice. Students are strongly encouraged to consult with OCC faculty and Career Services as they begin to explore career options. Students can also utilize Career Coach, a resource provided by OCC, to help students explore degree programs and corresponding careers ocean.emsicareercoach.com

Fundamental Coursework

CSIT 110

Students are encouraged to keep track of degree requirements by using the "My Progress" screen on Student Planning. Student Planning can be accessed via logging into Ocean Connect.

Curriculum

First Semester

ENGL 151	English I	3 cr.
MATH 156	Introduction to Statistics	3 cr.
CSIT 110	Computer Literacy	3 cr.
_____	Industrial/Technical Option Elective*	3 cr.
_____	Industrial/Technical Option Elective*	<u>3 cr.</u>
		15 cr.

Second Semester

ENGL 152	English II	3 cr.
_____	Humanities Gen Ed Requirement	3 cr.
_____	Social Science Gen Ed Requirement	3 cr.
_____	Industrial/Technical Option Elective*	3 cr.
_____	Industrial/Technical Option Elective*	<u>3 cr.</u>
		15 cr.

Third Semester

_____	Social Science Gen Ed Requirement	3 cr.
_____	Lab Science Gen Ed Requirement	4 cr.
_____	Industrial/Technical Option Elective*	3 cr.
_____	Industrial/Technical Option Elective*	3 cr.
_____	Industrial/Technical Option Elective*	<u>3 cr.</u>
		16 cr.

Fourth Semester

_____	Professional Core Transfer Credits	<u>up to 20 cr.</u>
	Awarded for Work Experience <u>or</u>	
	Industrial/Technical Option Electives*	

TOTAL CREDITS 66

Courses satisfying General Education Requirements must be selected from the list of Approved General Education Courses

*Industrial/Technical Option Electives

CHEM 180	Introductory Chemistry	4 cr.
CSIT 115	Introduction to Computer Game Development	3 cr.
CSIT 123	Integrated Office Software	3 cr.
CSIT 160	Introduction to Visual Basic	3 cr.
ECON 151	Macroeconomic Principles	3 cr.
ECON 152	Microeconomic Principles	3 cr.
ECON 153	Contemporary Economic Issues	3 cr.
ENGR 181	Graphics for Engineers I	2 cr.
ENGR 191	AutoCAD 2-D Basic I	3 cr.
ENGR 192	AutoCAD 2-D Basic II*	3 cr.
ENGR 198	AutoDesk Inventor	3 cr.
ENGR 221	Engineering Statics*	3 cr.
ENGR 222	Engineering Dynamics*	3 cr.
ENGR 225	Design of Material Structures*	3 cr.
PHYS 171	General Physics I*	4 cr.
PHYS 172	General Physics II	4 cr.

*These courses have pre-requisites. Please consult the Catalog.