

Technical Studies

Industrial/Technical Option

A.A.S. Degree Program – Catalog Year 2017-2018

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 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 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.

Board of Trustees Approval Date: November 7, 2005
 Board of Trustees Approval Date: April 17, 2006
 Board of Trustees Approval Date: December 1, 2008

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.

Board of Trustees Approval Date: December 6, 2010
 Board of Trustees Approval Date: January 28, 2013
 Board of Trustees Approval Date: May 28, 2013