

General Studies – Science Concentration

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

The Associate in Science (A.S.) degree is designed for students who wish to create an individualized program in a specific academic area. Students may explore career fields while selecting courses that will facilitate their goal of transferring to a four-year college/university or beginning a career. Students must complete the following: All students must complete STSC 155, College Success Seminar, during their first year of enrollment; A minimum of 30 credits from the list of Approved General Education Courses; At least 18 credits from one academic area to satisfy the Department Concentration; Additional elective credits to meet requirements for the degree (minimum 64 credits).

Faculty Contacts/Program Chairs

Caterina Gibson (Biology) x2113 HIER 134 cgibson@ocean.edu
Vijay Ramdeen (Chemistry) x2279 HIER 234 vramdeen@ocean.edu

Transfer Information

Students pursuing the General Studies Science degree can build a comprehensive concentration in the area of Science in order to transfer into a wide range of programs, such as Biology (Pre-Med), Chemistry, Exercise Science (Pre-PT), Environmental Science, and Animal Science (Pre-Vet). 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 Arts and the Associate of Science Degrees are designed to provide students with the coursework needed to transfer to a four-year institution and pursue a bachelor’s degree. The curriculum provides students the knowledge and skills needed to pursue various career pathways, while providing a credential beyond the high school degree. 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 explore degree programs and corresponding careers <https://ocean.emsicc.com/>

Recommended Courses

Biology Concentration

BIOL 161, BIOL 162, BIOL 264;
CHEM 181, CHEM 182, CHEM 283, CHEM 284; PHYS 171, PHYS 172;
MATH 265*

*Students proficient in algebra should take the College Level Math Test to determine placement into pre-calculus or calculus.

Chemistry Concentration

CHEM 181, CHEM 182, CHEM 283, CHEM 284;
PHYS 281, PHYS 282; MATH 265*, MATH 266*, MATH 267*, MATH 275*

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: September 24, 2007
Board of Trustees Approval Date: December 1, 2008
Board of Trustees Approval Date: August 24, 2009
Board of Trustees Approval Date: December 6, 2010
Board of Trustees Approval Date: May 28, 2013
Board of Trustees Approval Date: March 30, 2015

Curriculum

General Education Core Requirements:

Communications 6 credits
_____ ENGL 151: English I

_____ ENGL 152: English II

Humanities 3 credits
_____ One (1) Humanities course selected from the list of Approved General Education Courses

Social Science 3 credits
_____ One (1) Social Science course selected from the list of Approved General Education Courses

Additional Humanities or Social Science Course 3 credits
_____ One (1) Humanities or Social Science course selected from the list of Approved General Education Courses

Mathematics-Science-Technology 9 credits
_____ Students must select one math course, one lab science course and one technology*course from the list of Approved General Education Courses

*Students may attempt to “test out” of the technology requirement. If they succeed, they must take an additional course in math or lab science from the list of Approved General Education Courses.

Additional General Education Courses 6 credits
_____ From the list of Approved General Education Courses
_____ From the list of Approved General Education Courses

TOTAL GENERAL EDUCATION CREDITS: 30 cr.

Program Requirement:

_____ STSC 155 College Success Seminar 3 credits

Science Concentration:

To satisfy the Department Concentration, students must earn 18 credits from the academic area of Science. Course prefixes for the Science concentration are: **BIOL, CHEM, ENVI, PHYS, SCIE**

TOTAL CONCENTRATION CREDITS: 18 cr.

Elective Courses: Students must take elective credits to reach 64 credit hours. For example, if the General Education requirements and Concentration requirement total 51 credits, students will need 13 elective credits to reach a total of 64 credits toward the degree.

Board of Trustees Approval Date: October 5, 2015
Board of Trustees Approval Date: December 7, 2015
Board of Trustees Approval Date: February 1, 2016
Board of Trustees Approval Date: December 7, 2017
Board of Trustees Approval Date: February 22, 2018
Board of Trustees Approval Date: April 26, 2018