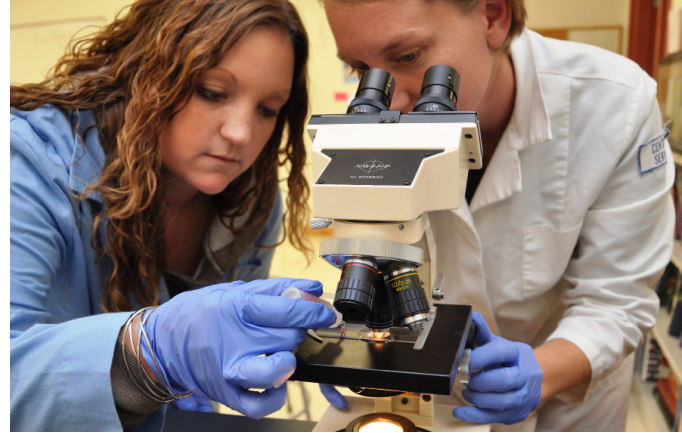


# General Science



## Description

The General Science program provides students with a strong foundation in both science and mathematics. This program of study is appropriate for students interested in studying health-related careers, pre-pharmacy, biology, physical science or pre-engineering. The curriculum design is flexible, allowing a student to select an academic option that will be specific for his/her academic goal.

Upon completion of the General Science program, graduates will have acquired practical knowledge and skills for continuing education or employment in related fields.

## Educational Outcomes

Upon successful completion of the General Science program, the graduate is expected to:

- Demonstrate competency in accessing scientific information using basic scientific references and literature;
- Be capable of critical thinking and problem solving within his/her area of expertise;
- Demonstrate competency with laboratory techniques commonly encountered in an undergraduate laboratory setting;
- Demonstrate clear and organized written and oral skills in, and in reporting and explaining results of experiments;
- Apply the core concepts of introductory sciences to real world problems which require integrating these concepts to achieve the best solutions.
- Use their scientific educational experiences to provide a solid foundation for further study of the sciences or related fields.

## Program Mission

The mission of the Associate in Science degree in General Science is to provide students with a strong foundation in science and mathematics, thereby allowing the student the opportunity to transfer to a university in pursuit of a bachelor's degree, transfer to another community college program, or earn better entrance into a science related career.

## Transfer Outlook

Many students in the General Science program will continue their studies by transferring into a health or science degree program. Students should check the requirements of the transfer institution and meet with career and academic/transfer counselors for specific program planning.

## Career Opportunities

- Animal Care and Research Facilities
- Agricultural Research Facilities
- Bioscience Laboratories
- Biotechnology Companies
- Quality Control
- Plant Propagation and Greenhouse Facilities



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# General Science

## General Science - Associate in Science Degree

### Health Occupations Option - Occupational Therapy Assistant

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO125 Health Science Seminar.....	1	
__ __	BIO213 Anatomy and Physiology I.....	4	Min. Accuplacer reading score of 80, completion of LEAP seminar, or successful completion of a college level laboratory science course
__ __	COM104 Introduction to Communication .....	3	
__ __	ENG101 College Composition .....	3	Placement test
__ __	MAT113 Elements of Mathematics.....	3	Placement test
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II.....	4	Minimum grade of "C" in BIO213
__ __	ENG218 Advanced Technical Writing .....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	PSY101 Introduction to Psychology.....	3	
__ __	SOC101 Introduction to Sociology.....	3	
__ __	_____ Humanities Elective.....	3	
<b><u>THIRD SEMESTER</u></b>			
__ __	BIO101 Biology I .....	4	See below
__ __	FSN201 Introduction to Food Science .....	3	100 level college science course
__ __	MAT117 College Algebra.....	3	Placement test
__ __	PHI110 Introduction to Contemporary Ethics.....	3	
__ __	PSY215 Developmental Psychology.....	3	PSY101
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO102 Biology II .....	4	Minimum grade of "C" in BIO101
__ __	BIO216 Pathophysiology and Principles of ..... Pharmacology for the Health Professional	3	BIO119, MAS121 or BIO214
__ __	FSN211 Human Nutrition .....	3	BIO115 or permission of instructor
__ __	MAT220 Statistics.....	3	Minimum grade of "C" in MAT117
__ __	_____ Fine Arts or Language Elective .....	3	
<b>TOTAL CREDITS.....</b>		<b>62</b>	

BIO101 prerequisite: Successful completion of a high school or adult education biology (within the past 5 years), satisfactory performance on the departmental placement test, or permission of instructor.

### Criteria for Graduation

Students must complete 62 credits in the General Science degree - Health Occupations (Occupational Therapy Assistant) option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

Revised: May 6, 2013