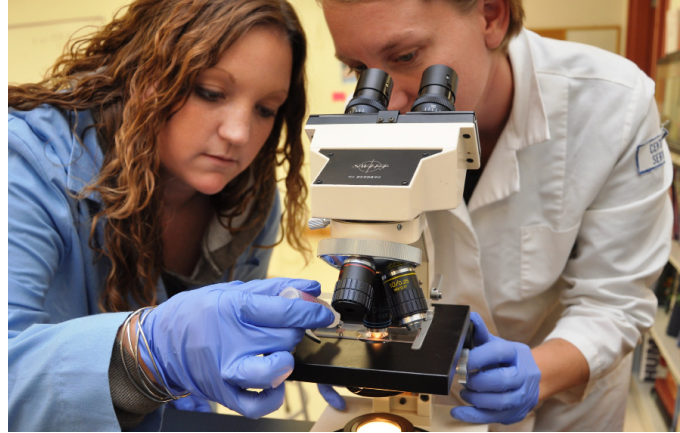


# General Science



## 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



**KENNEBEC VALLEY COMMUNITY COLLEGE**

**92 Western Avenue  
Fairfield, ME 04937-1367**

**Phone: (207) 453-5035  
Website: [www.kvcc.me.edu](http://www.kvcc.me.edu)**

# General Science

## General Science - Associate in Science Degree

### Pre-Pharmacy Option

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<b><u>FIRST SEMESTER</u></b>			
__ __	BIO101 Biology I .....	4	See below
__ __	BIO125 Health Science Seminar.....	1	
__ __	CHE112 General Chemistry I.....	4	(MAT117 or equivalent mathematical aptitude)
__ __	ENG101 College Composition.....	3	Placement test
__ __	MAT226 Precalculus.....	4	Minimum grade of "C" in MAT117
<b><u>SECOND SEMESTER</u></b>			
__ __	BIO102 Biology II .....	4	Minimum grade of "C" in BIO101
__ __	CHE115 General Chemistry II.....	4	Minimum grade of "C" in CHE112
__ __	COM104 Introduction to Communication .....	3	
__ __	MAT227 Calculus I .....	4	MAT218 or MAT226
<b><u>THIRD SEMESTER</u></b>			
__ __	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
__ __	CHE211 Organic Chemistry I .....	4	Minimum grade of "C" in CHE115
__ __	ENG218 Advanced Technical Writing.....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	MAT220 Statistics.....	3	Minimum grade of "C" in MAT117
__ __	PSY101 Introduction to Psychology.....	3	
<b><u>FOURTH SEMESTER</u></b>			
__ __	BIO214 Anatomy and Physiology II.....	4	Minimum grade of "C" in BIO213
__ __	CHE212 Organic Chemistry II .....	4	Minimum grade of "C" in CHE211
__ __	PHI110 Introduction to Contemporary Ethics.....	3	
__ __	_____ 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 - Pre-Pharmacy 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