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

General Science

General Science - Associate in Science Degree

Health Occupations Option - Radiologic Technology

	Course #	Course Title	Credits	Prerequisites (Co-requisites)
	FIRST SEMESTER			
__ __	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
__ __	ENG101	College Composition	3	Placement test
__ __	MAT117	College Algebra	3	Placement test
__ __	PHY111	Elements of Physics	4	Minimum grade of "C" in MAT117 or MAT119
	SECOND SEMESTER			
__ __	BIO214	Anatomy and Physiology II	4	Minimum grade of "C" in BIO213
__ __	COM104	Introduction to Communication		
		OR		
__ __	COM105	Interpersonal Communication	3	
__ __	PHY213	Radiographic Physics	3	
__ __	PSY101	Introduction to Psychology	3	
__ __	_____	Humanities Elective	3	
	THIRD SEMESTER			
__ __	BIO101	Biology I		See below
		OR		
__ __	CHE112	General Chemistry I	4	(MAT117 or equivalent mathematical aptitude)
__ __	BIO216	Pathophysiology and Principles of Pharmacology for the Health Professional	3	BIO119, MAS121 or BIO214
__ __	CPT117	Software Applications I	3	Computer ACCUPLACER score of 76 or greater, CPT018, or permission of instructor
__ __	PHI110	Introduction to Contemporary Ethics	3	
__ __	PSY215	Developmental Psychology	3	PSY101
	FOURTH SEMESTER			
__ __	BIO102	Biology II		Minimum grade of "C" in BIO101
		OR		
__ __	CHE115	General Chemistry II	4	Minimum grade of "C" in CHE112
__ __	ENG218	Advanced Technical Writing	3	A grade of "C" or higher in ENG101 or ENG108
__ __	MAT220	Statistics	3	Minimum grade of "C" in MAT117
__ __	_____	Fine Arts or Language Elective	3	
__ __	_____	Humanities Elective	3	
		TOTAL CREDITS	**63**	

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 63 credits in the General Science degree - Health Occupations (Radiologic Technology) 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