

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 - Health Information Technology

Course #	Course Title	Credits	Prerequisites (Co-requisites)
<u>FIRST SEMESTER</u>			
__ __	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
__ __	CPT117 Software Applications I.....	3	Computer ACCUPLACER score of 76 or greater, CPT018, or permission of instructor
__ __	ENG101 College Composition.....	3	Placement test
__ __	MAS121 Medical Terminology.....	3	
<u>SECOND SEMESTER</u>			
__ __	BIO214 Anatomy and Physiology II.....	4	Minimum grade of "C" in BIO213
__ __	COM104 Introduction to Communication OR		
__ __	COM105 Interpersonal Communication.....	3	
__ __	CPT121 Software Applications II.....	3	CPT117 or equivalent
__ __	MAT113 Elements of Mathematics.....	3	Placement test
__ __	PSY101 Introduction to Psychology.....	3	
<u>THIRD SEMESTER</u>			
__ __	BIO101 Biology I.....	4	See below
__ __	BUS115 Principles of Management.....	3	
__ __	FSN201 Introduction to Food Science.....	3	100 level college science course
__ __	MAT117 College Algebra.....	3	Placement test
__ __	PHI110 Introduction to Contemporary Ethics.....	3	
<u>FOURTH SEMESTER</u>			
__ __	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
__ __	ENG218 Advanced Technical Writing.....	3	A grade of "C" or higher in ENG101 or ENG108
__ __	FSN211 Human Nutrition.....	3	BIO115 or permission of instructor
__ __	_____ Fine Arts or Language Elective.....	3	
TOTAL CREDITS.....		62	

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 (Health Information 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