

General Science Program

Division of Biology & Chemistry – Curriculum Code : 0603

Will Earn Upon Program Completion: Associate in Science (A.S.) Degree

Why major in General Science?

The General Science program provides an opportunity for students interested in health care related fields as well as those interested in teaching science in grades K-12 to complete a general basic science associate degree. Students applying to Nursing and Allied Health programs can complete the pre-requisites for these programs during the first semester. While waiting for acceptance into a professional program, students can pursue the remaining degree requirements. The curriculum will provide a solid foundation in core courses needed to major in many areas of science and health care. Emphasis is placed on the scientific method and critical analysis that will enable you to be a contributor to any scientific or medical team.

If I major in General Science, can I transfer to an upper-division college or university?

The Associate in General Science degree in General Science prepares you for transfer to upper-division colleges and universities to pursue a bachelor's degree. ECC's transfer/articulation agreements with area four-year institutions provide smooth transfer for our A.S. graduates.

If I major in General Science, how do I apply to the Nursing or Allied Health Programs?

See the curriculum guides in this catalog for specific admissions requirements for each program. You may also call the Nursing Department at (973) 877-1868 or the Division of Allied Health at (973) 877-3354.

Are there any requirements I must satisfy before I start taking courses in my major?

The basic skills competency test is a requirement for all majors. Major course work can begin once you have completed all developmental courses. In addition, if you are at the final level of remediation in mathematics, English, and/or reading, you can take BIO 100 and/or CHM 100. While these courses do not count toward graduation in this major, they provide an introduction to the basic biology and chemistry that will prepare you for this program.

How long will it take for me to complete this degree?

If you do not need remedial courses and you take an average of 17 credits per semester, you should be able to complete the program in two years.

Where should I direct specific questions about this program?

Contact the Division at (973) 877-3430.

Upon completion of this program, graduates will be able to:

- ◆ Utilize critical thinking and problem-solving skills, including the scientific method and methods of scientific conversion;
- ◆ Demonstrate a mastery of the fundamental concepts of biology, chemistry, and physics;
- ◆ Perform scientific investigations using proper scientific and laboratory safety protocols;
- ◆ Successfully transfer to a four-year undergraduate program in science, health care, or education.

General Science — A.S. Degree Program

<p>GENERAL EDUCATION REQUIREMENTS: (34-36 credits)</p> <p>Communications (6 credits) ENG 101 College Composition I 3 ENG 102 College Composition II 3</p> <p>Social Science (6 credits) ANT 101, POL 104, PSY 101, OR SOC 101 3 Any ANT, POL, PSY, or SOC course 3</p> <p>Lab Science/Math (11-12 credits) Laboratory Science sequence and one Math course, or two Math courses and one laboratory science course (MTH 100 or higher)</p> <p>Physical Education (2-3 credits) PHE 119 or HLT 101 2-3</p> <p>Humanities (9 credits) Any 200-level English literature courses 3 Any History course 3 ART 100, 101, 102, or 200 or MUS 100, 108, 109, or 117 3</p> <p>MAJOR COURSE REQUIREMENTS: (24 credits) Six or seven courses from BIO, CHM or PHY. Students should finish sequences where possible.</p> <p>ADDITIONAL COURSE REQUIREMENTS: (3 credits) Free elective</p> <p>Total Credits Required for Degree 61-63</p> <p>The minimum passing grade for all courses designated BIO, CHM, MTH or PHY is "C." If you earn a grade below "C," you need to repeat that course.</p> <p>For assistance with Dental Hygiene, Dental Assisting, Ophthalmic Dispensing, Respiratory Care, and Licensed Practical Nurse program requirements, see Program cur- ricula in this catalog, or call the Division of Allied Health, 973-877-3354, or the Nursing Department 973- 877-1868</p>	<p>RECOMMENDED SEQUENCE OF COURSES:*</p> <p>First Semester ENG 101 English Composition I 3 Lab Science requirement 4 MTH 100 or higher 3 or 4 Social Science requirement 3 ART/MUS requirement 3</p> <p>Second Semester ENG 102 English Composition II 3 Lab Science Requirement 4 Social Science Requirement 3 History Requirement 3 PHE 119 or HLT 101 2 or 3</p> <p>Third Semester Any 200-level English literature course 3 Science Major requirement 4 Science Major requirement 4 Science Major requirement 4</p> <p>Fourth Semester Science Major requirement 4 Science Major requirement 4 Science Major requirement 4 Free elective 3</p> <ul style="list-style-type: none"> • If you plan to apply to the Nursing program, you must take the following three prerequisite courses and have a minimum GPA of 2.5. (See Nursing Program curriculum in this catalog) ENG 101 College Composition I BIO 121 Anatomy & Physiology I CHM 101 College Chemistry I • If you plan to apply to the Radiography program, you must take the following four prerequisite courses and have a minimum GPA of 2.5. (See Radiography Program curriculum in this catalog) ENG 101 College Composition I BIO 121 Anatomy & Physiology I HSC 109 Medical Terminology MTH 100 Introductory College Mathematics • If you plan to apply to the Physical Therapist Assistant program, you must take the following three prerequisite courses and have a minimum GPA of 2.5. (See Physical Therapist Assistant Program curriculum in this catalog) ENG 101 College Composition I BIO 121 Anatomy & Physiology I PSY 101 General Psychology I
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***NOTE:** This plan assumes the completion of all required developmental courses in reading, writing, and mathematics as well as other pre- and co-requisites for some of the courses, as listed in the Course Descriptions section of the catalog.