

## General Science (A.S.)

The General Science degree 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 science associate's degree. Students applying to the competitive-entry Nursing & Allied Health programs can complete the [pre-requisites](#) for these programs as a General Science major during the first semester. While waiting for acceptance into the professional phase of a program, students can pursue the remaining degree requirements as a General Science major. 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.

## Program Requirements

### GENERAL EDUCATION REQUIREMENTS

Written & Oral Communication (6 credits)

[ENG 101](#) (3 credits)

[ENG 102](#) (3 credits)

Quantitative Knowledge & Skills and Scientific Knowledge & Reasoning (12 credits)

Choose one mathematics course and a lab science sequence or two mathematics courses and one lab science course from the following:

Math – [MTH 100](#)[MTH 101](#)[MTH 113](#)[MTH 119](#)[MTH 120](#)[MTH 121](#)[MTH 122](#)[MTH 127](#)[MTH 221](#) or [MTH 222](#) (one or two 4-credit courses)

Lab Science – [BIO 101](#) – [BIO 102](#), [BIO 103](#) – [BIO 104](#), [BIO 121](#) – [BIO 122](#), [CHM 101](#) – [CHM 102](#), [CHM 103](#) – [CHM 104](#), [GEO 101](#) – [GEO 102](#), [PHY 101](#) – [PHY 102](#), [PHY 103](#) – [PHY 104](#), or [PHY 113](#) – [PHY 114](#) (one or two 4-credit courses)

Society & Human Behavior (6 credits)

Choose two of the following courses: [ANT 101](#)[ANT 105](#)[ECO 101](#)[ECO 102](#)[POL 101](#)[POL 104](#)[PSY 101](#)[PSY 102](#)[PSY 219](#)[SOC 101](#)[SOC 108](#) or [SOC 219](#) (two 3-credit courses)

Humanistic Perspective (6 credits)

Choose one of the following literature courses: [ENG 205](#)[ENG 208](#)[ENG 215](#)[ENG 221](#)[ENG 222](#)[ENG 232](#)[ENG 237](#)[ENG 238](#)[ENG 242](#)[ENG 250](#)[ENG 263](#) or [ENG 264](#) (one 3-credit course)

AND

Choose one of the following art or music courses: [ART 100](#)[ART 101](#)[ART 102](#)[MUS 100](#)[MUS 108](#)[MUS 109](#) or [MUS 117](#) (one 3-credit course)

Historical Perspective (3 credits)

Choose one of the following history courses: [HST 101](#)[HST 102](#)[HST 111](#)[HST 112](#)[HST 121](#)[HST 122](#)[HST 131](#)[HST 132](#)[HST 134](#)[HST 135](#)[HST 136](#)[HST 137](#)[HST 161](#) or [HST 162](#) (one 3-credit course)

### MAJOR COURSE REQUIREMENTS

Science electives – choose six or seven (non-repeated) courses designated BIO, CHM, or PHY (total of 24 credits).

*Note: Students should finish course sequences where possible. Also, the same course cannot be used to meet both the Scientific Knowledge & Reasoning lab science general education requirement and the Science elective major course requirement.*

*In addition, recommended Science electives include the following courses: [BIO 101](#)[BIO 102](#)[BIO 103](#)[BIO 104](#)[BIO 121](#)[BIO 122](#)[BIO 211](#)[BIO 220](#)[BIO 225](#)[BIO 228](#)[BIO 237](#)[BIO 241](#)[BIO 251](#)[CHM 101](#)[CHM 102](#)[CHM 103](#)[CHM 104](#)[CHM 203](#)[CHM 204](#)[GEO 101](#)[GEO 102](#)[PHY 101](#)[PHY 102](#)[PHY 103](#)[PHY 104](#)[PHY 113](#) and [PHY 114](#).*

### ADDITIONAL COURSE REQUIREMENTS

Choose one free elective (one 3-credit course)

*Note: 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.*

### RECOMMENDED SEQUENCE OF COURSES

Total Credits Required for Degree: 60

First Semester

[ENG 101](#) College Composition I (3 credits)

Quantitative Knowledge & Skills or Scientific Knowledge & Reasoning math or lab science requirement (one 4-credit course)

Quantitative Knowledge & Skills or Scientific Knowledge & Reasoning math or lab science requirement (one 4-credit course)

Society & Human Behavior requirement (one 3-credit course)

Humanistic Perspective art or music requirement (one 3-credit course)

Second Semester

[ENG 102](#) College Composition II (3 credits)

Quantitative Knowledge & Skills or Scientific Knowledge & Reasoning math or lab science requirement (one 4-credit course)

Society & Human Behavior requirement (one 3-credit course)

Historical Perspective requirement (one 3-credit course)

Science elective (one 3- or 4-credit course)

Third Semester

Humanistic Perspective literature requirement (one 3-credit course)

Science elective (one 3- or 4-credit course)

Science elective (one 3- or 4-credit course)

Science elective (one 3- or 4-credit course)

Fourth Semester

Science elective (one 3- or 4-credit course)

Science elective (one 3- or 4-credit course)

Science elective (one 3- or 4-credit course), if necessary

Free elective (one 3-credit course)

### **IMPORTANT NOTES**

If you plan to apply to the Nursing program, you must take the following pre-requisite courses and have a minimum GPA of 2.5: [ENG 101](#) College Composition I, [BIO 121](#) Anatomy & Physiology I, and [CHM 101](#) College Chemistry I or [CHM 103](#) General Chemistry I and [PSY 101](#) General Psychology I: Personality & Social Aspects successfully completed the TEAS entrance test. (See the Nursing program curriculum guide in this catalog.)

If you plan to apply to the Radiography program, you must take the following four pre-requisite courses and have a minimum GPA of 2.5: [ENG 101](#) College Composition I, [BIO 121](#) Anatomy & Physiology I, [HSC 109](#) Medical Terminology, and [MTH 100](#) Introductory College Mathematics. (See the Radiography program curriculum guide in this catalog.)

If you plan to apply to the Physical Therapist Assistant program, you must take the following three pre-requisite courses and have a minimum GPA of 2.5: [ENG 101](#) College Composition I, [BIO 121](#) Anatomy & Physiology I, and [PSY 101](#) General Psychology I: Personality & Social Aspects and successfully completed the TEAS entrance test. (See the Physical Therapist Assistant Program curriculum guide in this catalog.)

For assistance with Vision Care Technology, Respiratory Care, and Licensed Practical Nurse program requirements, see the various program curriculum guides in this catalog, consult your academic advisor, or call the Vision Care Technology program at (973) 877-3367, the Allied Health Department at (973) 877-3354, or the Nursing Department at (973) 877-1868.