

GENERAL SCIENCE

Natural and Applied Sciences Division

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www.cabrillo.edu/programs

GENERAL SCIENCE

Program Description:

The major in General Science provides a broad background in the sciences. Students completing this degree will have familiarity with concepts in many of the disciplines of science, including proficiency in laboratory methods. This degree may prepare the student to transfer to various science programs. Requirements for further study vary from campus to campus. See a counselor and consult catalogs for specific information on admission and general education requirements. Information on course equivalencies for major requirements at UC and CSU is available on the Internet at www.assist.org.

Learning Outcomes

The Cabrillo College Core Competencies (with an emphasis in the study of General Science):

1. Communication: Reading, Writing, Listening, Speaking, and/or Conversing
2. Critical Thinking and Information Competency: Analysis, Computation, Research, Problem Solving
3. Global Awareness: An appreciation of Scientific Processes, Global Systems and Civics, and Artistic Variety
4. Personal Responsibility and Professional Development: Self-Management and Self-Awareness, Social and Physical Wellness, Workplace Skills

Model Program for General Science

This Associate Degree requires 60 units appropriate to your educational goal, to include general education and at least 18 units in a major. Courses should be selected to meet the lower-division major preparation requirements at your intended transfer university - these specific requirements can be found at www.assist.org for 4-year public institutions in California. Please see a counselor for advisement to ensure you are taking the best possible courses given your goal.

The department presents the following suggested model program for this major. The courses listed below may or may not be appropriate depending on your specific goal. Please see a counselor for advisement for transfer to any 4-year institution.

GENERAL SCIENCE

A.S. Degree: General Science

A.S. General Education	21 Units
Laboratory Sciences	20
Mathematics(*)	5
Approved Electives	5
Electives (any course numbered 1-99).....	9

Total Units **60**

20 units of laboratory science, as defined by courses denoted with an asterisk (*) in Area B of the requirements for the A.S. Degree, in three of the five following areas. Cannot include CHEM 10, PHYS 10, ENGR 5 or 25

20

Life Forms (defined in Area B in A.S. requirements)

Chemistry

Physics

Engineering

Earth and Space Sciences (Astronomy, Physical Geography, Geology, Meteorology, or Oceanography)

Mathematics

Mathematics: 5 units minimum from MATH 2 and MATH 3 or MATH 4, MATH 5 (series), or MATH 12/12H

5

Approved Electives (5 Units)

Elective units (to achieve the required total of 30) chosen from Area B list in the A.S. Degree requirements, Computer Science, or Engineering.

5

Electives

(Transfer): (Any Course Number 1-99)

9

Total Units **60**