

GENERAL STUDIES: NATURAL SCIENCE EMPHASIS

This degree provides an opportunity for students to earn an Associate of Arts (AA) degree in a comprehensive area of study and is intended for the student who is not currently preparing to transfer to a university. A minimum of 60 semester units must be completed with an overall Grade Point Average (GPA) of 2.0 or better in all degree-applicable units. Only courses numbered 1-299 may be applied toward this associate degree.

Natural Sciences increase students' awareness of the world of natural phenomena and the ability humans have to understand how the world functions by using the scientific methods to investigate and judge phenomena and humankind's various roles in nature.

Learning Outcomes: Upon successful completion of the program, students will be able to:

- Analyze and evaluate complex issues or problems, draw reasoned conclusions and/or generate solutions, and effectively communicate their results.
- Use the scientific method to investigate phenomena in the natural world and use concepts, experiments, and/or theory to explain them.

Associate in Arts Degree

Associate Degree Major Requirements

Units

REQUIRED CORE:

Select 18 units from at least two disciplines from courses listed below: 18

ANAT 1	Human Anatomy (2)
ANAT 2	Human Anatomy Lab (2)
ANAT 5	Basic Human Anatomy and Physiology (4)
ANTH 2	Introduction to Biological Anthropology (3)
ANTH 2L	Biological Anthropology Laboratory (1)
ASTR 10	Introduction to Astronomy (3)
ASTR 10L	Introduction to Astronomy Lab (1)
BIOL 10	Principles of Biology (4)
BIOL 13	Marine Biology (4)
BIOL 21	Concepts in Biology I: Cells, Genetics and Organisms (5)
BIOL 22	Concepts in Biology II: Diversity, Ecology, and Evolution (5)
BIOL 25	Applied Microbiology Lecture (3)
BIOL 26	Applied Microbiology Laboratory (1)
BIOL 31	Environmental Science (3)
BIOL 32	Environmental Science Laboratory (1)
CHEM 1A	General Chemistry I (5)
CHEM 1B	General Chemistry II (5)
CHEM 2	Fundamental Chemistry (4)
CHEM 10	Everyday Chemistry (3)
CHEM 10L	Everyday Chemistry Lab (1)
CHEM 12A	Organic Chemistry I (5)
CHEM 12B	Organic Chemistry II (5)
CHEM 30A	Introductory Chemistry for Health Sciences (4)
CHEM 30B	Organic and Biological Chemistry for Health Sciences (4)
GEOL 2	Physical Geology (3)
GEOL 2L	Physical Geology Laboratory (1)
OCEN 2	Introductory Oceanography (3)
OCEN 2L	Introductory Oceanography Lab (1)
PHYS 2A	General Physics I (4)
PHYS 3A	Science and Engineering Physics I (4)
PHYS 3B	Science and Engineering Physics II (4)

PHYS 3C Science and Engineering Physics III (4)
PHYS 10 Introduction to Physics (4)
PHSO 1 Human Physiology (3)
PHSO 2 Human Physiology Lab (2)
PSYC 38 Biological Psychology (3)

TOTAL MAJOR UNITS **18**

Associate Degree Requirements (as described above) **18**

Complete Competency Requirements and MPC General Education Pattern for a total of 60 degree-applicable units (see pages 72-73, 76 in the 2017-18 MPC Catalog).

TOTAL DEGREE UNITS **60**
