VALENCIA

STEM Pathway

General Science AS (Pre-Agricultural Concentration)

The General Science (Pre-Agricultural Concentration) program provides the first two years of study for a student who plans to transfer to a 4-year institution to pursue a bachelor's degree in science. It prepares students to enter into any one of a number of fields of science or healthcare. This degree provides a pathway for students who are interested in the sciences and allows them to explore various areas in the scientific realm.

Fall

Course	Credits
BIOL 2101: Principles of Biology: Molecules to Cells	3
ENGL 1110: Composition I	3
COMM 1130: Public Speaking	3
MATH 1215: Intermediate Algebra	3

Spring

Course	Credits
BIOL 2102: Principles of Biology: Organisms to Ecosystems	3
BIOL 2103L: Principles of Biology: Introductory Laboratory	1
ENGL 1120: Composition II	3
Gen Ed Humanities: Choose one course	3
MATH 1220: College Algebra	3

Summer

Course	Credits
Gen Ed Second Language: Choose one course	3
MATH 1350: Introduction to Statistics	3

Fall

Course	Credits
MATH 1430: Applications of Calculus I	3
BIOL 2996: Topics	3
PHYS 1230: Algebra-Based Physics I Lecture and PHYS 1230L: Lab	4
CHEM 1215: General Chemistry I Lecture and CHEM 1215L: Lab	4

Spring

Course	Credits
MATH 1440: Applications of Calculus II	3
ENGL 2210: Professional and Technical Communication	3
CHEM 1225: General Chemistry II Lecture and CHEM 1225L: Lab	4
Gen Ed Student Choice: Choose one Gen Ed recommended course: CS 108L, ECON 2110, ECON 2120	3

Summer

Course	Credits
Gen Ed Arts and Design: Choose one course	3
Gen Ed Social and Behavioral Sciences: Choose one course	3

Total Program Credit Hours, including 3 prerequisite credit hours = 64

VALENCIA

STEM Pathway

General Science AS (Pre-Agricultural Concentration)

Meet with your Academic Success Coach

Apply for FAFSA by October 1st

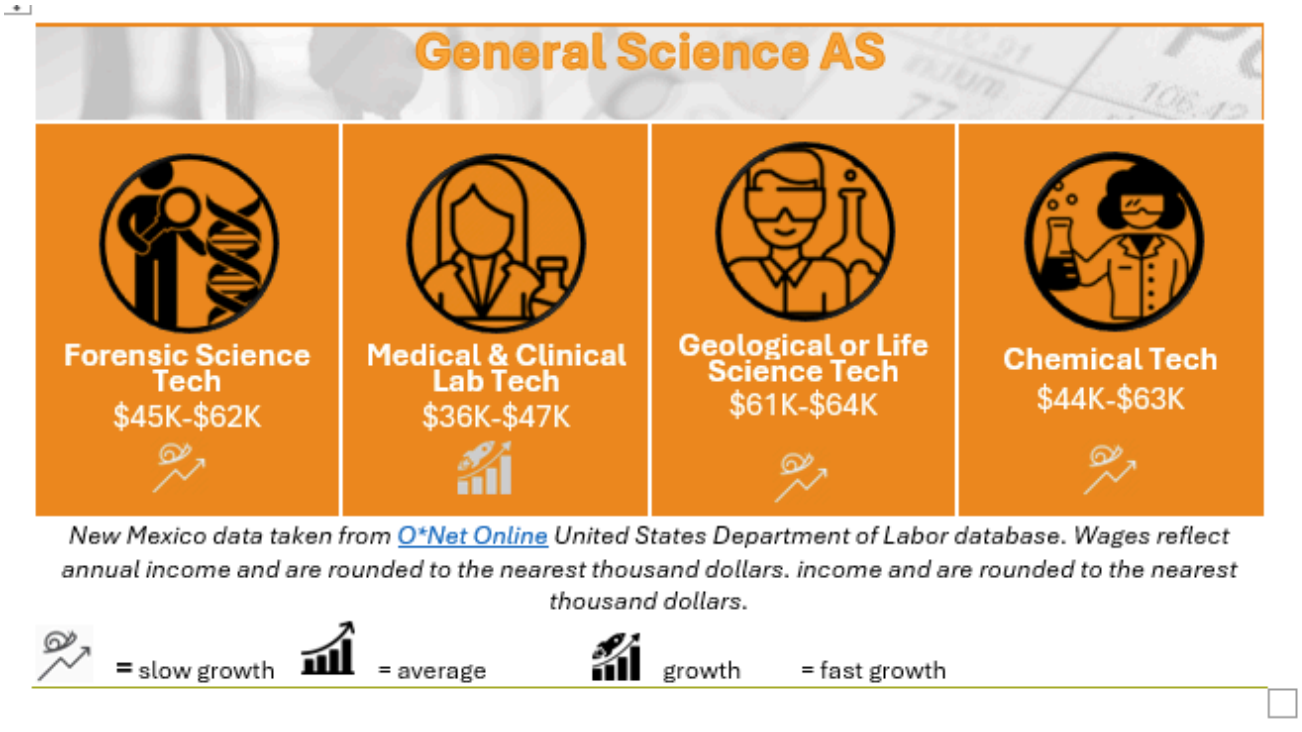
Meet with Financial Aid Apply for scholarships

Meet with your Faculty Mentor

Apply for graduation and/ or transfer

Career and Educational Advancement Opportunities

This is intended to be a transfer program. It includes many requirements for a bachelor's degree in the fields of biology, chemistry, physics, or health sciences. Options within the degree should be determined by the major or profession the student wants to pursue and/or the admission requirements for undergraduate programs or professional schools. Students pursuing this degree may be interested in dental hygiene, medical laboratory sciences, nursing, occupational therapy, physical therapy, pharmacy, physician's assistant, radiology, or medical school in the health sciences. Students wishing to pursue careers that require a basis in Biology, Chemistry, Physics, Environmental Science, etc., may also choose this degree. Most baccalaureate and professional programs are competitive in that they only accept a limited number of students. Grades in science and math courses will be very important and additional standardized testing will be required. UNM-Valencia does have an undergraduate research program where students can begin learning about higher education research. To learn more, talk to your science instructor.



*New Mexico data taken from O*Net Online United States Department of Labor database. Wages reflect annual income and are rounded to the nearest thousand dollars. income and are rounded to the nearest thousand dollars.*

For questions or to schedule a time to meet with an Advisor/Academic Success Coach about this program contact: Advisement at 505.925-8907. Map Current as of the 2026-2027 Academic Year.