

What is the Science, Technology, Engineering, and Mathematics Pathway?

The Science, Technology, Engineering, and Mathematics Pathway refers to career fields related to planning, managing, and providing scientific research and professional technical services. This includes programs of study on subjects such as:

- Biology, chemistry, geology, meteorology and any other natural, physical, or earth science
- Study of numbers and how they relate to each other.
- The study of engineering fields such as aviation, environmental science, and robotics.

What careers are in the Science, Technology, Engineering, and Mathematics Pathway?

High School Diploma	Tech College Certificate or Associate's Degree	Bachelor's Degree and Above (4+ years of study)
	Biological Tech Environmental Tech Chemical Tech Mathematical Tech Electronics Engineering Tech Civil Engineering Tech Nuclear Tech	Astronomer Civil Engineer Geologist Mechanical Engineer Nuclear Engineer Statistician Anthropologist Biomedical Engineer Computer Engineer Industrial Engineer Archaeologist Mathematician Solar Engineer Survey Researcher Sociologist Physicist Biologist Chemist

*This document is subject to change.

*This document is not a complete list.

Graduation Requirements

Math

Algebra I
Geometry
Algebra II

*3 Total Credits

English

English 9
English 10
English 11
Senior English

*4 Total Credits

Social Studies

Western Civ
U.S History
Choices in AM
Dem

*3 Total Credits

Science

Intro to Physics
Biology
Chemistry

*3 Total Credits

Other

Health
(Financial Literacy
.5 Total Credits)
(Physical Education
1.5 Total Credits)

25 Total Credits Needed to Graduate

9th Grade

Possible Electives

Intro to Agriculture
Exploring Plants &
Animals
Visual Media
Entrepreneurship
Geology
Ecology

10th Grade

Possible Electives

Intro to Agriculture
Exploring Plants &
Animals
Forestry and
Conservation
Visual Media
Entrepreneurship
Geology
Ecology
Biomedical Sciences

11th Grade

Possible Electives

Intro to Agriculture
Exploring Plants & Animals
Forestry and Conservation
Visual Media
Entrepreneurship
Geology
Ecology
Biomedical Sciences
Physics
Anatomy & Physiology
AP Biology
AP Environmental Science
AP Physics
AP Statistics
AP Calculus AB
AP Calculus CB
Math for the Trades

12th Grade

Possible Electives

Intro to Agriculture
Exploring Plants & Animals
Forestry and Conservation
Visual Media
Entrepreneurship
Geology
Ecology
Biomedical Sciences
Physics
Anatomy & Physiology
AP Biology
AP Environmental Science
AP Physics
AP Statistics
AP Calculus AB
AP Calculus CB
Math for the Trades