

SCIENCE, TECHNOLOGY, ENGINEERING, & MATH

Your Pathway

ENGINEERING

Associate in Arts Degree

Engineering is the use of scientific principles and applied mathematics to build machines, buildings, bridges, and vehicles. This degree is designed to give you the foundational knowledge and skills needed for transfer to a university to pursue a 4-year degree in various fields of engineering. This includes Civil Engineering, Computer Engineering, Electrical Engineering, and Mechanical Engineering.

Suggested Sequence of Classes

FALL SEMESTER – FIRST YEAR 16 units

ENGL 1A College Composition 4 units
 HIST 17A United States History 3 units
 CHEM 1A General Chemistry 5 units
 MATH 3A Calculus 3A 4 units

SPRING SEMESTER – FIRST YEAR 15 units

ENGL 1C Critical Reasoning, Reading & Writing 3 units
 CMST 60 Public Speaking 3 units
 MATH 3B Calculus 3B 5 units
 PHYS 4A Physics (Mechanics) 4 units

FALL SEMESTER – SECOND YEAR 14 units

POLS 2 Introduction to American Government 3 units
 MATH 4A Calculus 4A 4 units
 PHYS 4B Physics (Electricity / Magnetism) 4 units
 CIS 61 C++ Language Programming 3 units

SPRING SEMESTER – SECOND YEAR 15 units

AGNR 60 Environmental Science 3 units
 ETHS 1 Introduction to Ethnic Studies 3 units
 HIST 2 World Civilization to 1500 CE 3 units
 ART 1 Introduction to Art 3 units
 HLTH 1 Health and Wellness 3 units

POTENTIAL CAREERS

Chemical Engineer
 Environmental Engineer
 Nuclear Engineer
 Systems Engineer

SALARY POTENTIAL

\$96,570 per year

(source: ziprecruiter.com)



Please meet with a counselor to customize your own educational plan, explore course options, and consider department and counseling faculty recommendations.



Shasta College
www.shastacollege.edu

Shasta College is an equal opportunity educator and employer.



Counseling
 (530) 242-7724