Science, Technology, Engineering, & Mathematics

Cluster Definition

- Is science one of your favorite subjects?
- Do you prepare projects for science fairs?
- Do you enjoy reading science magazines?
- Are you detail-oriented?
- Do you want to know how things work?

If you answered yes to two or more of the questions above, you might be interested in considering a career in science, technology, engineering, or mathematics.

If you choose to work in the Science, Technology, Engineering, and Mathematics cluster, you have several avenues. One avenue is to do scientific research in laboratories or the field. Another option is to be involved in the planning and design of products and systems. The last avenue is to provide support to the scientists, mathematicians, and engineers so they can do their work.

Related High School Electives

Accounting
Advanced Biology
Advanced Chemistry
Advanced Physics
Agriculture
Algebra II
Animal Science
Biology
Blueprint Reading
Calculus
Chemistry
Computer Programming
Computer Science
Construction
Economics
Electricity
Electronics
Food Science
Forestry
Geography
Geometry
Industrial Technology
Introduction to Mechanics
Manufacturing Systems
Physics
Plant Science
Political Science
Pre-Calculus
Psychology
Public Speaking
Sociology
Technical Writing
Transportation
Trigonometry
Wildlife Management

OCCUPATIONS IN THIS CLUSTER

Aerospace Engineers
Anthropologists
Archeologists
Astronomers
Bioengineers
Biologists
Biomedical Engineers
Cartographers and Photogrammetrists
Chemists
Civil Engineers
Electrical and Electronics Engineers
Engineering Managers
Engineering Technicians
Environmental Engineering Technicians
Environmental Engineers
Environmental Scientists
Geographers
Geologists and Geophysicists
Historians
Industrial Engineers
Materials Engineers
Mathematicians
Mechanical Engineers
Meteorologists
Mining Engineers
Natural Sciences Managers
Nuclear Engineers
Petroleum Engineers
Physicists
Political Scientists
Renewable Energy Engineers
Safety Engineers
Science Technicians
Sociologists

Level of Education and Earnings

Associate Degree

	State Annual Median Wage		State Annual Median Wage
Engineering Technicians	$49,872 - $62,240	Science Technicians	$34,926 - $41,413
Environmental Engineering Technicians	No state data		

Bachelor's Degree

Aerospace Engineers	$93,378	Materials Engineers	$93,446
Bioengineers	No state data	Mechanical Engineers	$83,782
Biomedical Engineers	$76,832	Meteorologists	$75,138
Cartographers/Photogrammetrists	$64,704	Mining Engineers	$79,011
Chemists	$74,333	Nuclear Engineers	$91,151
Civil Engineers	$75,362	Petroleum Engineers	$95,012
Electrical/Electronics Engineers	$82,524 - $91,136	Renewable Energy Engineers	No state data
Environmental Engineers	$78,251	Safety Engineers	$86,159
Industrial Engineers	$80,551		

Work Experience with Bachelor’s Degree or Higher

Engineering Managers	$119,789	Natural Science Managers	$123,123

Master's Degree

Anthropologists	$48,680	Geologists and Geophysicists	$67,267 - $76,029
Archeologists	$48,680	Historians	$52,547
Environmental Scientists	$61,649	Political Scientists	$62,772
Geographers	No state data	Sociologists	$57,962

Doctoral Degree

Astronomers	No state data	Mathematicians	No state data
Biologists	$59,239 – $59,612	Physicists	$90,809