

STEM Starts Here



The Game of STEM

Where Every Path's a Winner



Pick Your Courses:

Earth Science
Biology
Chemistry
Physics
Environmental Science
Level II Science Courses

Discover
SCIENCE

AP Computer Science A
CTE Computer Science Course Sequence

Decode
TECHNOLOGY

CTE Engineering Course Sequence

Experience
ENGINEERING

Algebra I
Geometry
Algebra II
Math Analysis
AP Statistics
Calculus

Investigate
MATH

Career Field Key

Science Technology Engineering Mathematics

Continuing Education Path Key

High School Diploma Post-Secondary Certification Associate's Degree

Bachelor's Degree Master's Degree Doctoral Degree

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STEM
Where Every Path's a Winner

SCIENCE

Career	Annual Median Income	Minimum Recommended Education
Biological Sciences		
Genetic Counselors	\$81,880	Master's Degree
Medical Assistants	\$34,800	High School Diploma*
Nurse Practitioners	\$109,820	Master's Degree
Occupational Therapy Assistants	\$61,510	Associate's Degree
Phlebotomists	\$35,510	Post-Secondary Award
Physical Therapists' Assistants	\$58,790	Associate's Degree
Physicians' Assistants	\$108,610	Master's Degree
Veterinarians	\$95,460	Doctoral Degree
Veterinary Technologists and Technicians	\$35,320	Associate's Degree
Observational and Research Sciences		
Atmospheric and Space Scientists	\$95,380	Bachelor's Degree
Agricultural and Food Scientists	\$75,650	Bachelor's Degree
Environmental Science and Protection Technicians	\$46,540	Associate's Degree
Environmental Scientists and Specialists	\$71,040	Bachelor's Degree
Forensic Science Technicians	\$59,150	Bachelor's Degree
Geological Petroleum Technicians	\$53,300	Associate's Degree

Earth Science
Biology
Chemistry
Physics
Environmental Science
Level II Science Courses

Algebra I
Algebra II
Geometry
Math Analysis
Calculus or Statistics

AP Computer Science A

Recommended Course Options

Virginia Career Pathways: High Growth STEM Occupations Based on Field

TECHNOLOGY

Career	Annual Median Income	Minimum Recommended Education
Technology		
Solar Photovoltaic Installers	\$44,890	High School Diploma*
Wind Turbine Service Technicians	\$52,910	High School Diploma*
Computer Science		
Computer and Information Research Technicians	\$118,370	Master's Degree
Computer User Support Specialists	\$52,270	Associate's Degree
Information Security Analysts	\$98,250	Bachelor's Degree
Software Developers (Apps)	\$119,430	Bachelor's Degree
Web Developers	\$69,430	Associate's Degree

Biology
Chemistry
Physics

AP Computer Science A
CTE Computer Science Course Sequence

Recommended Course Options

ENGINEERING

Career	Annual Median Income	Minimum Recommended Education
Aerospace Engineering and Operations Technicians	\$66,020	Associate's Degree
Civil Engineers	\$87,060	Bachelor's Degree
Computer Hardware Engineers	\$117,220	Bachelor's Degree
Electrical and Electronic Engineering Technicians	\$68,190	Associate's Degree
Electricians	\$56,180	High School Diploma*
Electronics Engineers	\$105,570	Bachelor's Degree
Engineering Technicians	\$50,620	Associate's Degree
Environmental Engineering Technicians	\$50,620	Associate's Degree
Industrial Engineers	\$88,240	Bachelor's Degree
Mechanical Engineers	\$93,360	Bachelor's Degree
Marine Engineer and Naval Architects	\$92,400	Bachelor's Degree

*or equivalent

Biology
Chemistry
Anatomy and Physiology
Physics

AP Computer Science A

CTE Engineering Course Sequence

Algebra I
Algebra II
Geometry
Math Analysis
Calculus or Statistics

Recommended Course Options

MATHEMATICS

Career	Annual Median Income	Minimum Recommended Education
Actuaries	\$108,350	Bachelor's Degree
Data Scientists	\$94,280**	Bachelor's Degree
Mathematicians	\$105,030	Master's Degree
Operations Research Analysts	\$84,810	Bachelor's Degree
Statisticians	\$87,780	Master's Degree

**Annual Mean Income

Biology
Chemistry
Anatomy and Physiology
Physics

AP Computer Science A

Algebra I
Algebra II
Geometry
Math Analysis
Calculus or Statistics

Recommended Course Options

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VIRGINIA DEPARTMENT OF
EDUCATION

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