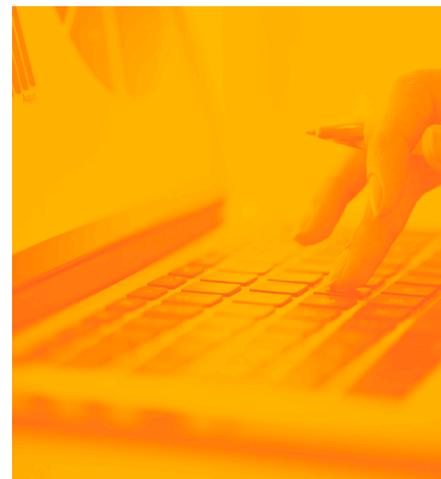# Career and Technical Education (CTE) Pathways: Science, Technology, Engineering, & Mathematics (STEM)

Entry level salary range for STEM careers: $39,000-$100,000*

CAREER PATHWAYS AND STEM COURSES TO PREPARE STUDENTS FOR DIVERSE CAREERS

Edgenuity® courses for STEM careers are focused on rigorous problem solving through research and design. These rigorous and relevant courses help students prepare for further study and career entry into exciting jobs in these areas by engaging with other researchers, scientists, and engineers to design and develop solutions that address social science, engineering or other complex issues.
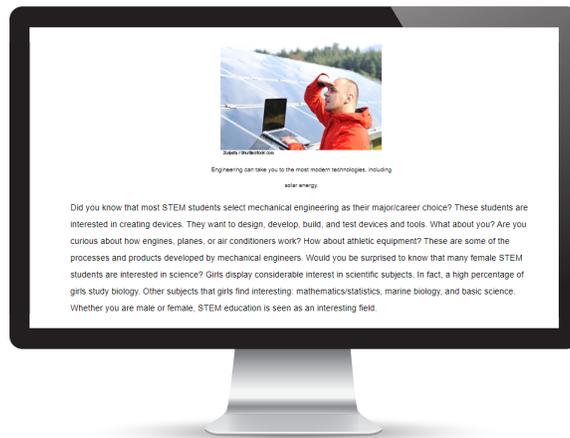
Edgenuity courses for this CTE cluster, and related courses students take in science, math, and technology areas, as part of the graduation and elective requirements, introduce students to the essential knowledge and skills they will need to continue beyond high school in their selected career path. The Edgenuity STEM Career Pathway courses provide a broad set of learning experiences to help students build the critical thinking and problem-solving skills and framework they will need for these exciting careers.

CAREER PATHWAYS	LAW ENFORCEMENT SERVICES
Introductory Course	❑ Introduction to STEM** ❑ Science and Mathematics in the Real World**[NOV] ❑ Scientific Discovery and Development**[NOV] ❑ STEM and Problem Solving**[NOV] ❑ Introduction to Careers in Architecture and Construction** ❑ Scientific Research**[NOV] ❑ Introduction to Computer Science** ❑ eDynamic Learning Subscription Electives in Astronomy, Biotechnology, Marine Science, Forencsic Science, etc.
Concentrator Courses	❑ Engineering and Design** ❑ Engineering and Product Development** *Wide Variety of Options for Edgenuity Science and Mathematics Core, Elective and AP Courses.*

Edgenuity®

In 2017, 35 percent of all students who completed two or more courses in CTE, completed those courses in STEM and STEM-related (Health Science; Agriculture, Food, and Natural Resources; and Information Technology) career clusters.[1]

RIGOROUS, ENGAGING, CAREER-RELEVANT COURSE DESIGN

Edgenuity CTE courses introduce students to STEM-related careers, as well as providing opportunities for students to deepen their understanding of the course material by applying academic and technical skills to real-world tasks and learning experiences. Course content focuses on objectives directly related to relevant, current technologies and practices.

The career focus provides students with a sense of direction that motivates students to stay in school and achieve. Edgenuity's CTE courses prepare students for work in these industries with learning experiences designed to help students gain critical leadership, communication, teamwork, problem-solving, critical thinking, and interpersonal skills needed to succeed in the world beyond high school. By providing a clear context for learning, Edgenuity ignites student interest and helps students make informed decisions about their future.

Edgenuity's STEM CTE course features include:

- Career-relevant hands-on projects
- Engaging direct-instruction videos
- Performance rubrics and exemplars to aid in instructor grading
- Contextual vocabulary support to help students with terms and phrases

LEARN MORE,
at edgenuity.com/CTE

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