



S.T.E.M.

Science, Technology, Engineering Mathematics

Calcasieu Parish Career & Technical Education

What are STEM Fields?

-  Natural, physical, and life sciences (sometimes including medicine)
-  Computer, electronics, and other technology-related disciplines
-  All types of engineering
-  Mathematics, or any field involving a heavy application of mathematical principles

Programs of Study



Careers in the Science Technology Engineering and Math cluster relate to planning, managing and providing scientific research and professional and technical services such as laboratory and testing services, and research and development services.

What's the Role of STEM Careers?

- STEM workers are employed by diverse industries, such as healthcare, manufacturing, telecommunications, construction, and agriculture.
- Technologies developed by STEM workers include smartphones and online shopping, climate change research and space exploration, along with life-saving innovations like cancer treatments and Alzheimer's research.
- Sample STEM work settings include laboratories where scientists develop pharmaceuticals, biofuels; home offices for IT workers designing websites; and construction jobsites for engineers.
- Universities and employers are recruiting more women and people of color to choose STEM-related college majors and workplaces.

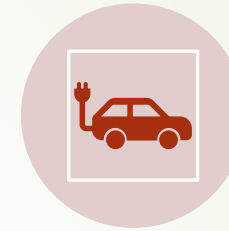
Local Business Opportunities: STEM



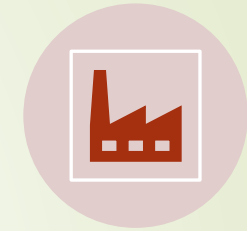
STEM TEACHER –
CHARTER SCHOOL



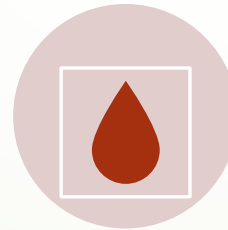
ENGINEER I –
CITY ENGINEER



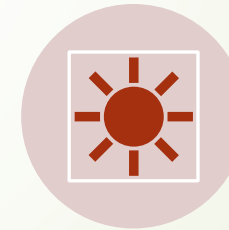
FIELD SERVICE
TECH/DIESEL MECHANIC -
JOHN DEERE



LABORATORY TECH
AMSPEC SERVICES



SCIENTIST
HYDROGEOLOGIST/
GEOLOGIST



CLINICAL LABORATORY
SCIENTIST II
CHRISTUS HEALTH

Additional Resources: S.T.E.M.



O*NET Online Career Cluster

<https://www.onetonline.org/find/career?c=0>

Career One Stop (video)

<https://www.careeronestop.org/Videos/IndustryVideos/science-technology-engineering-and-math-overview.aspx>

myFuture

<https://myfuture.com/career/science-technology-engineering-mathematics>

Louisiana Believes: Jump Start Brief

[STEM - Biomedical Science](#)

[STEM – Computing](#)

[STEM - Pre-Engineering](#)