

EXPLORING STEM

What is STEM & How Can You Pursue It



STEM

- SCIENCE - Observe, Question, and Define
- TECHNOLOGY - Invent and Innovate
- ENGINEERING - Design and Create
- MATH - Question and Order



STEM SKILLS

You might be a scientist and don't know it!



1. Problem Solving

4. Math & Science Skills

2. Creativity

5. Critical Thinking Skills

3. Inquiry.

6. Collaboration



SCIENCE

Observe, Question, and Define

FIELDS:

- Biology
 - Medical, Ecology, Evolutionary, Microbiology, Genetics, Conservation, etc.
- Physics
 - Acoustics, Nuclear Physics, Mechanics, Astrophysics, etc.
- Astronomy
 - Astrophysics, Astrobiology, Astrogeology
- Chemistry
 - Organic, Inorganic, Physical, Biochemistry
- Earth Sciences
 - Geology, Meteorology, Oceanography, Climatology, and Environmental Sciences



JOBS YOU CAN HAVE!

- Wildlife Biologist
- Robotics Engineer (Physics)
- Testbed Analyst
- Medicinal Chemist
- Geologist

WHAT PCC OFFERS

- Associate of Science with concentration in Biology, Geology, or Chemistry
- Agricultural Science Pathway leads to a transfer degree for many Agriculture Science programs
- Environmental Science Pathway leads to a transfer degree for many environmental programs
- Exercise Science Pathway leads to a transfer degree for exercise science

TECHNOLOGY

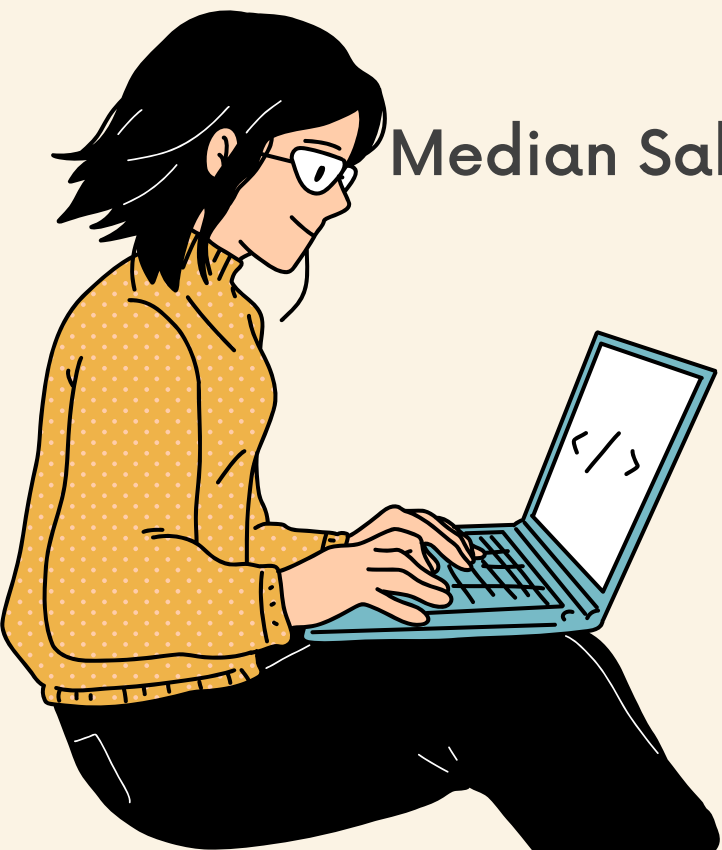
Invent & Innovate

FIELDS:

- Software Development
- Computer Science
- Web Development
- Cyber Security
- Information Technology

SALARY

Median Salary is between \$55,510 - \$126,830



JOBS YOU CAN HAVE!

- Game Design
- Robotics/AI Design
- Graphic Design
- Software Design
- Security Engineer

WHAT PCC OFFERS

- Associate of Science in Computer Science
- Computer information Systems certificates and Associate of Applied Science

ENGINEERING

Design & Create

FIELDS:

- Civil Engineering
- Chemical Engineering
- Mechanical Engineering
- Electrical Engineering
- Environmental Engineering

SALARY

Median Salary for Engineers is between \$51,630
(Environmental Engineering Technologists) -
\$137,330 (Petroleum Engineer)

JOBS YOU CAN HAVE!

- Theme Park Engineer
- Mechanical Engineer
- Environmental Engineer
- Design Engineer (Outdoor Industry)

WHAT PCC OFFERS

- Associate of Science Pre Engineering
- Construction Trades program can build to a Pre-Civil or Structural Engineering degree or a Pre Construction Management degree



MATH

Question and Order

FIELDS:

- Statistics
- Accounting
- Data Science
- Economics
- Biomedical Sciences

JOBS YOU CAN HAVE!

- Economist
- Statistician



SALARY

Median Salary of a
Mathematician/Statistician is \$93,290

WHAT PCC OFFERS

- Associate of Science concentration in Mathematics

INTERESTED?

If you want more info on STEM at PCC
Please Visit:

- <https://www.pueblocc.edu/STEM/Southwest>
- Bridge to Bachelors Program makes PCC a great place to start!
- Interested in a specific field? Check out the [Occupational Outlook Handbook](#) on it!



LOCAL STEM PROFESSIONALS

- Easton LaChapelle is the CEO of Unlimited Tomorrow Prosthetics which he started out of his garage in high school!

Every Prototype that Led to a Realistic Prosthetic Arm | WIRED - YouTube

