



# STEM PATHWAY

This pathway is for students who wish to learn about applying essential mathematics and science content and skills to physical, environmental and human endeavors.



**Pathways Counselor: Pedro Herrera**

## DEGREES AND CERTIFICATES

- Biological Science (AS)
- Biology (AS-T)
- Civil Engineering (AS, CA)
- Chemistry (AS-T)
- Coaching (CN)
- Computer Science (AS)
- Computer Engineering (AS, CA)
- Dental Assisting (AS, CA)
- Electrical Engineering (AS, CA)
- Engineering Land Surveying (AS, CA)
- Environmental Science (AS-T)
- Health Care Interpreter (CC, CN)
- Kinesiology (AA-T)
- Land Surveying (CC)
- Mathematics (AS-T, AS)
- Mechanical, Aerospace and Manufacturing Engineering (AS, CA)
- Natural Sciences (Liberal Arts & Sciences) (AA)
- Nursing Assistant Training (CA, CN)
- Physical Education (AA)
- Physical Science (AS)
- Physics (AS-T)
- Software Engineering (CN)

## POPULAR PROFESSIONS/JOB

- Financier
- Data Scientist/Statistician
- Engineer (Biological, Civil, Mechanical, Electrical, Computer, Material, Chemical, Environmental)
- Computer Hardware Engineer
- Physicist
- Educator
- Coach
- Nursing Assistant
- Licensed Vocational Nurse
- Registered Nurse
- Physician Assistant/Nurse Practitioner
- Actuary
- Land Surveyor
- Researcher/Data Analyst
- Physical Therapist
- Physical Therapy Assistant
- Health Care Interpreter
- Dental Assistant
- Dental Hygienist
- Programmer/Software Developer

- Pharmacist
- Veterinarian
- Radiologic Technologist
- Diagnostic Medical Sonographer
- Medical Doctor
- Clinical Lab Scientist
- Chemical Technician/Chemist

## RC CLUBS

- Astro Club
- STEM Ambassadors Club
- Technology Development Club
- Dance Club
- Pickleball Club

## POPULAR TRANSFER INSTITUTIONS

- Fresno State
- Cal Poly San Luis Obispo/Pomona/Humboldt
- CSU Chico
- CSU Channel Islands
- CSU San Jose
- CSU Stanislaus
- CSU Sacramento
- CSU Bakersfield
- CSU Monterey Bay
- CSU Long Beach
- UC Berkeley
- UC Riverside
- UC Irvine
- UCLA
- UC Santa Cruz
- UC San Diego
- UC Santa Barbara
- Fresno Pacific

## JOB/RESUME SKILLS

- Attention to detail/documentation
- Critical Thinking
- Communication/Teamwork
- Use of Technology
- Problem Solving
- Analytical/Computational Skills
- Research Skills
- Leadership
- Time Management
- Quantitative Reasoning
- Logical Thinking

AA-T Associate in Arts in (program) for Transfer Degree  
AS-T Associate in Science in (program) for Transfer Degree  
AA Associate in Arts Degree  
AS Associate in Science Degree

CA Certificate of Achievement  
CC Certificate of Completion  
CN Certificate In  
CP Certificate of Competency