

COLLEGE OF SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS

The College of Science, Technology, Engineering, & Mathematics (CSTEM) prepares students for challenging careers in the STEM fields and provides opportunities for students to advance in graduate studies or professional schools. The ability to think critically and capacity to solve problems are key student outcomes. An invested and caring faculty and staff ensure that students are successful through quality teaching, scholarly activity, and student support and advising. The CSTEM provides advanced learning opportunities for students via faculty mentored research projects and internships that promote the discovery of new information and the application of new knowledge. The CSTEM supports the community, region, and related professions through outreach including initiatives that enhance economic development, scientific and professional literacy, and K-12 education.

Academic Departments & Programs

Biology Department (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/>)

Undergraduate Programs

- Biology: Basic Biology Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/biology-bs-basic-biology-concentration/>)
- Biology: Biology/Chemistry Double Major Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/biology-bs-biology-chemistry-double-major-concentration/>)
- Biology: Biomedical Sciences Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/biology-bs-biomedical-sciences-concentration/>)
- Biology: Cellular & Molecular Biosciences Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/biology-bs-cellular-molecular-biosciences-concentration/>)
- Biology: Environmental Biosciences Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/biology-bs-environmental-biosciences-concentration/>)
- Biology: Secondary Certification Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/biology-bs-biology-secondary-certification-concentration/>)
- Wildlife & Natural Resources: Aquatic Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/wildlife-natural-resources-bs-aquatic-concentration/>)

[college-of-science-technology-engineering-and-mathematics/biology/wildlife-natural-resources-bs-aquatic-concentration/](https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/wildlife-natural-resources-bs-aquatic-concentration/))

- Wildlife & Natural Resources: Terrestrial Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/wildlife-natural-resources-bs-terrestrial-concentration/>)

Minors

- Biology, Minor (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/general-biology-minor/>)

3+2 Programs

- Biology 3+2 Program, Bachelor of Science/Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/biology-3-2-plan-bs-ms/>)

Graduate Programs

- Biology, Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/biology-ms/>)

Chemistry Department (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/>)

Undergraduate Programs

- Cannabis Biology & Chemistry: Analytical Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/cannabis-biology-and-chemistry-bs-analytical-concentration/>)
- Cannabis Biology & Chemistry: Hemp Agriculture Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/cannabis-biology-and-chemistry-bs-hemp-agriculture-concentration/>)
- Cannabis Biology & Chemistry: Natural Products Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/cannabis-biology-and-chemistry-bs-natural-products-concentration/>)
- Chemistry: ACS Certified Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-bs-acs-certified-concentration/>)
- Chemistry: Basic Chemistry Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-bs-basic-chemistry-concentration/>)

- Chemistry: Biochemistry Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-bs-biochemistry-concentration/>)
- Chemistry: Double Major Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-bs-double-major-concentration/>)
- Chemistry: Environmental Chemistry Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-bs-environmental-chemistry-concentration/>)
- Chemistry: Secondary Teaching Certification Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-bs-secondary-teaching-certification-concentration/>)

Minors

- Chemistry, Minor (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-minor/>)

Certificates

- Cannabis Biology & Chemistry, Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/cannabis-biology-and-chemistry-certificate/>)

3+2 Programs

- Biochemistry 3+2 Plan, Joint Bachelor of Science/Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/biochemistry-3-2-plan-bs-ms/>)
- Cannabis Biology & Chemistry 3+2 Plan, Joint Bachelor of Science/Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/cannabis-biology-and-chemistry-3-2-plan-bs-ms/>)
- Chemistry 3+2 Plan, Joint Bachelor of Science/Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-3-2-plan-bs-ms/>)

Graduate Programs

- Biochemistry, Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/biochemistry-ms/>)
- Cannabis Biology & Chemistry, Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/cannabis-biology-and-chemistry-ms/>)

- Chemistry, Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-ms/>)

Post-Baccalaureate Certificates

- Cannabis Biology & Chemistry, Post-Baccalaureate Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/cannabis-biology-and-chemistry-post-baccalaureate-certificate/>)

School of Engineering

Engineering (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/>)

Undergraduate Programs

- Civil Engineering, Bachelor of Science in Civil Engineering (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/bsce-civil-engineering/>)
- Engineering, Bachelor of Science in Engineering: Mechatronics Specialization (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/bse-mechatronics-specialization/>)
- Industrial Engineering, Bachelor of Science in Industrial Engineering (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/bs-industrial-engineering/>)
- Pre-Engineering Program (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/pre-engineering-program/>)

Minors

- Engineering, Minor (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/engineering-minor/>)
- Industrial Engineering, Minor (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/industrial-engineering-minor/>)
- Sustainability, Minor (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/sustainability-minor/>)

Certificates

- Lean Green Belt, Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/lean-green-belt-certificate/>)

and-mathematics/engineering/lean-green-belt-certificate/)

- Railroad Engineering, Graduate Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/railroad-engineering-graduate-certificate/>)
- Six Sigma Green Belt, Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/six-sigma-green-belt-certificate/>)
- Sustainability, Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/sustainability-certificate/>)

3+2 Programs

- Engineering 3+2 Program, Bachelor of Science/Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/engineering-3-2-plan-bs-ms/>)

Graduate Programs

- Industrial & Systems Engineering, Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/industrial-systems-engineering-ms/>)
- Mechatronics Engineering, Master of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/mechatronics-engineering-ms/>)

Engineering Technology & Construction Management (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering-technology-and-construction-management/>)

Undergraduate Programs

- Civil Engineering Technology, Bachelor of Science in Civil Engineering Technology (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering-technology-and-construction-management/civil-engineering-technology-bscet/>)
- Construction Management, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering-technology-and-construction-management/construction-management-bs/>)

Minors

- Civil Engineering, Minor (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/civil-engineering-minor/>)

science-technology-engineering-and-mathematics/engineering-technology-and-construction-management/civil-engineering-minor/)

- Construction Management, Minor (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering-technology-and-construction-management/construction-management-minor/>)

Certificates

- Construction Procurement, Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering-technology-and-construction-management/construction-procurement-certificate/>)
- Construction Project Manager, Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering-technology-and-construction-management/construction-project-manager-certificate/>)
- Construction Safety, Law, & Management, Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering-technology-and-construction-management/construction-safety-law-and-management-certificate/>)
- Surveying & Modeling, Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering-technology-and-construction-management/surveying-and-modeling-certificate/>)

Mathematics & Physics Department (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/>)

Undergraduate Programs

- Mathematics, Bachelor of Arts (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/mathematics-ba/>)
- Mathematics, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/mathematics-bs/>)

- Mathematics: Secondary Certification Concentration, Bachelor of Arts (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/mathematics-ba-secondary-certification-concentration/>)
- Mathematics: Secondary Certification Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/mathematics-bs-secondary-certification-concentration/>)
- Math/Physics Double Major, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/math-physics-double-major/>)
- Physics, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/physics-bs-physics/>)
- Physics: Physical Science Secondary Education Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/physics-bs-physical-science-secondary-certification-concentration/>)
- Physics: Secondary Education Concentration, Bachelor of Science (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/physics-bs-physics-secondary-certification-concentration/>)

Minors

- Computational Mathematics, Minor (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/computational-mathematics-minor/>)
- Mathematics, Minor (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/mathematics-minor/>)
- Physics, Minor (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/physics-minor/>)

Certificates

- Data Analytics, Certificate (<https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-physics/data-analytics-certificate/>)