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/Chemistry Double Major, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/biology-bs-biology-chemistry-double-major-concentration/)
- Biology: 7-12 Teacher Preparation Concentration, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/biology-bs-7-12-teacher-preparation-concentration/)
- 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: 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-and-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/)
- Wildlife & Natural Resources: Aquatic Concentration, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/wildlife-and-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-and-natural-resources-bs-terrestrial-concentration/)

Minors

- Biology, Minor (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/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-program-bs-ms/)
- Wildlife & Natural Resources 3+2 Program, Joint Bachelor of Science/Master of Science in Biology (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/biology/wildlife-and-natural-resources-3-2-program-joint-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: 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/Biology Double Major, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-bs-double-major-concentration/)
- Chemistry: 7-12 Teacher Preparation Concentration, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-bs-7-12-teacher-preparation-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: Environmental Chemistry Concentration, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/chemistry-bs-environmental-chemistry-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/)
- Institute of Cannabis Research Certificate of Foundational Studies in Cannabis (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/chemistry/institute-of-cannabis-research-certificate-of-foundational-studies-in-cannabis/)

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

Undergraduate Programs

- Civil Engineering Technology, Bachelor of Science in Civil Engineering Technology (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/civil-engineering-technology-bscet/)
- Civil Engineering, Bachelor of Science in Civil Engineering (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/bsce-civil-engineering/)
- Civil Engineering, Bachelor of Science in Civil Engineering (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/bsce-civil-engineering/)
- Construction Management, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/construction-management-bs/)
- Industrial Engineering, Bachelor of Science in Industrial Engineering (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/industrial-engineering-bs/)
- Mechatronics Engineering, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/mechatronics-engineering-bs/)
- Pre-Engineering Program (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/pre-engineering-program/)

Minors

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

- Construction Procurement, Certificate (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/construction-procurement-certificate/)
- Construction Project Manager, Certificate (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/construction-project-manager-certificate/)
- Construction Safety, Law, & Management, Certificate (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/construction-safety-law-and-management-certificate/)
- Estimating & Planning Construction Costs, Certificate (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/estimating-and-planning-construction-costs-certificate/)
- Lean Green Belt, Certificate (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/lean-green-belt-certificate/)
- Six Sigma Green Belt, Certificate (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/six-sigma-green-belt-certificate/)
- Surveying & Modeling, Certificate (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/surveying-and-modeling-certificate/)
- Transportation Engineering, Certificate (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/transportation-engineering-certificate/)
- Transportation Engineering, Post-Baccalaureate Certificate (https://catalog.csupueblo.edu/college-of-science-technology-engineering-

and-mathematics/engineering/transportation-engineering-post-baccalaureate-certificate/)

3+2 Programs

- Business Administration 3+2 Program, Integrated Construction Management, Bachelor of Science/Master of Business Administration (https://catalog.csupueblo.edu/the-hasan-school-of-business/business-administration-3-2-program-integrated-construction-management-bs-mba/)
- Civil Engineering 3+2 Program, Bachelor of Science in Civil Engineering/Master of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/engineering/civil-engineering-3-2-program-bsce-ms/)
- 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-program-bs-ms/)

Graduate Programs

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

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

Undergraduate Programs

- Math/Physics Double Major, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-and-physics/math-physics-bs-double-major/)
- Mathematics, Bachelor of Arts (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-and-physics/mathematics-ba/)
- Mathematics, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-and-physics/mathematics-bs/)
- Mathematics: 7-12 Teacher Preparation Concentration, Bachelor of Arts (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-and-physics/mathematics-ba-7-12-teacher-preparation-concentration/)
- Mathematics: 7-12 Teacher Preparation Concentration, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-and-physics/mathematics-bs-7-12-teacher-preparation-concentration/)
- Physics, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-and-physics/physics-bs-physics/)
- Physics: 7-12 Physical Science Teacher Preparation Concentration, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-and-physics/physics-bs-physical-science-7-12-teacher-preparation-concentration/)
- Physics: 7-12 Teacher Preparation Concentration, Bachelor of Science (https://catalog.csupueblo.edu/college-of-science-technology-engineering-and-mathematics/mathematics-and-physics/physics-bs-7-12-teacher-preparation-concentration/)

Minors

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

Certificates

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