

TECH & CAREER PROGRAMS

Industry in the Town of Firestone is supported by a network of career-oriented and unique learning opportunity programs offered through area school districts and community colleges. High school students have the opportunity to pursue career training through special programs and concurrent enrollment in higher education institutions. Students graduate with workplace experience and the skills needed for their chosen career providing a skilled labor force.

Adults pursuing a new career or the opportunity to learn new job skills in their chosen career will benefit from the many technology programs available in the area. The community colleges also partner with employers to provide new skills and technology training to the existing workforce.

Summary information on the career-focus programs offered through the St. Vrain Valley School District for high school students, independently or in partnership with higher-education programs, and area technology training programs are highlighted below.



Students at the St. Vrain Innovation Center of the St. Vrain Valley School District have a learning experience that transcends the traditional classroom and provides experiential opportunities that are developing today's students into tomorrow's leaders, innovators, and changemakers. The Innovation Center offers a variety of programs appealing to a spectrum of interests, divided into eight main focus areas: Aeronautics, Bioscience, Industrial Design, Entrepreneurship, IC Studios, Information Technology, P-TEACH, Robotics and Computer Science, and STEM. Industry certifications, including Apple Certified Technician, UAS Pilot Certification, and other certifications are also offered. Students apply their knowledge to real-world situations and engage in professional experiences by working with community and industry partners. The

St. Vrain Innovation Center proudly boasts of their 14-year-old students that are Apple Certified Technicians.

» More Information: innovation.svvsd.org.

The Pathways to Teaching (P-TEACH) Program is one of the specialized programs offered through the St. Vrain Valley School District. The program introduces high school students to a career as an educator through a customized pathway program, providing aspiring young teachers the opportunity to earn college credits through concurrent enrollment at the University of Colorado Denver while also gaining hands-on work experience.



» More Information: innovation.svvsd.org/PTEACH.

P-TECH The **Pathways in Technology Early College High School (P-TECH)** program is a partnership between K-12 school districts, community colleges, and industry that brings together rigorous and hands-on elements of high school, college, and the professional world all in one. Offered at **Frederick High School**, the program allows students to earn a high school diploma, as well as a no-cost Associate degree focusing on biochemistry from Aims Community College. The program includes significant mentorship and internship opportunities with industry partners, Tolmar and Agilent Technologies, giving students a head start on their careers after completing the program. Students enroll in 9th grade and complete the program in 4-6 years.

» More Information: fhs.svvsd.org/p-tech.



Through a unique partnership with CU Denver, Frederick High School participates in **CU Succeed**, enabling students to complete challenging university course work and earn college credits through the University of Colorado while still in high school. Courses are taught by Frederick High teachers who have received honorarium faculty appointments from the University of Colorado.

» More Information: <http://fhs.svvsd.org/node/145076>.

The **Career Development Center (CDC)** is the Career and Technical Education (CTE) center for the St. Vrain Valley School District. CDC offers classes that provide real-world, hands-on experiences in pathways to industry jobs with a post-secondary trajectory. Available programs include Agriscience, Bioscience, Automotive Technology, Engineering, Technology & Machining, Health Sciences, Interactive Media Technology, Manufacturing Technology, Prostart and Culinary Arts, and Welding and Fabrication. CDC partners with Front Range Community College to offer concurrent registration for Welding, Auto, Interactive Media, Medical Terminology, and Exploration of Health Care classes.



» More Information: cdc.svvsd.org.



With strong connections to [Front Range Community College's Center of Integrated Manufacturing](#) and industry leaders, **Advanced Manufacturing Academy** of the St. Vrain Valley School District CDC allows students to develop industry skills, earn college credit, accrue certifications, and gain real-world experience in highly the highly technical manufacturing careers of machining, engineering, electronics, welding, and optics.

» More Information: <https://cdc.svvsd.org/node/183351>.

Front Range Community College's (FRCC) Center of Integrated Manufacturing (CIM) located in Longmont, Colorado, is the new, state-of-the-art home of FRCC's advanced manufacturing programs. Created



to meet the evolving needs of next-generation manufacturing technologies, this center provides industry-focused education and hands-on training for modern-day manufacturing workers through a variety of programs. Through partnerships with employers across the state, students receive the knowledge, skills, and expertise they need to start rewarding manufacturing careers. These partnerships also provide students with practical experience and job opportunities in their selected specialty:

- [Automation & Engineering Technology Programs](#)
- [Electronics Engineering Technology Programs](#)
- [Precision Machining & Manufacturing Programs](#)
- [Optics Technology Certificate Programs](#)

» More Information: <https://www.frontrange.edu/campuses/campus-locations/boulder-county-campus/center-for-integrated-manufacturing>