

Pathways in Technology Early College High School (P-TECH)



Overview

- Gov. John Hickenlooper signed the Pathways in Technology Early College High Schools (P-TECH) bill into law (HB 15-1270) in 2015.
- P-TECH is an innovative partnership between a school district, a community college(s), and one or more local high growth industry employer(s).
- Students begin in ninth grade and continue for up to six years (i.e. high school and two equivalent years of college).
- Students graduate with both a high school diploma and an industry-recognized associate degree, in addition to gaining relevant workplace skills.
- Students receive intensive student support services, mentoring, job shadowing, internships, pre-apprenticeships, and other workplace educational experiences.
- P-TECH is open to all students, with a special focus on encouraging enrollment of students who are socio-economically and racially diverse, the first to attend college in their family, English language learners, and students with disabilities.

Approved School Information

Falcon Tech - St. Vrain Valley School District

First year of operation: 2016-17

Higher Ed Partner: Front Range Community College

Business Partner: IBM

Degree/Pathway: Associates of Applied Science CIS

Power TEC - James Irwin Charter Schools

First year of operation: 2016-17

Higher Ed Partner: Pikes Peak Community College

Business Partner: Bal Seal Engineering; JPM Prototype; Allegion; Woodford Manufacturing

Degree/Pathway: AAS: Machining Tech; Architect Engineer/Construction Management; Heating Air Conditioning & Refrigeration Tech; Computer Aided Drafting; Electronics Tech; Welding

EC@N-STEM - Adams 12

First year of operation: 2016-17

Higher Ed Partner: Front Range Community College

Business Partner: CenturyLink

Degree/Pathway: Associates of Applied Science (CIS Programming & CIS Networking) & CIS Certificates

Cañon City High School

First year of operation: 2018-19

Higher Ed Partner: Pueblo Community College – Fremont Campus

Business Partner: TechSTART

Degree/Pathway: Associates of Applied Science Computer Information Systems. Certificates: Forensic Computing;



Microsoft Office Applications; Networking; Programming; Security. Exploring degrees in Engineering, Medical Sciences, and CTE

STEM School Highlands Ranch

First year of operation: 2018-19

Higher Ed Partner: Arapahoe Community College

Business Partner: Panther Industries, Inc.

Degree/Pathway: Associates of Applied Science Cyber Security & Advanced Manufacturing. Certificates: Cyber Defense; Electronics Assembly; Robotics

Warrior Tech – St. Vrain Valley School District (Frederick High School)

First year of operation: 2019-20

Higher Ed Partner: Aims Community College

Business Partner: Agilent Technologies, Inc.; Tolmar, Inc.; AveXis

Degree/Pathway: Associate of General Science w/focus in Biochemistry; will incorporate appropriate certifications in the future

Warrior Way High – Mesa County Valley School District 51 (Central High School)

First year of operation: 2019-20

Higher Ed Partner: Western Colorado Community College

Business Partner: CAMA West; Reynolds Polymer; Schmueser and Associates; Jabil Lewis; GDP Global; Wren Industries

Degree/Pathway: Associate of Applied Science in Manufacturing Technology with specializations in machining, welding, and CAD; Associate of Applied Science in Mechanical Engineering Technology

Student Enrollment Data (School year 2018-19)

Total student enrollment in all schools: **408**

Student Enrollment by Grade/Year Level/First Generation College Student

	Power TEC - James Irwin	Falcon Tech - SVVSD	EC@N-STEM - Adams 12	Cañon City	STEM Highlands Ranch
Total Enrollment all grades/years	98/7	157/108	80/67	48/10	25/0
9th Grade	40/2	66/43	34/29		
10th Grade	34/2	54/37	24/18	30/8	
11th Grade	14/2	37/28	22/20	18/2	25/0
12th Grade	10/1				
5th Year					
6th Year					

Student credit accumulation toward meeting established graduation goal

Credit Accumulation (all schools)	% (# of students) of total
Adequate (expected to graduate on schedule)	85% (347)
Excess (expected to graduate ahead of schedule)	8% (33)
Behind (expected to graduate behind schedule)	7% (28)