

P-TECH

Pathways in Technology Early College High School

Student Pathways



COLORADO
Department of Education

OVERVIEW

- 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), and will 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, first-generation college students, English language learners, and students with disabilities.

APPROVED SCHOOLS/PROGRAMS

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: Associate 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: Associate of Applied Science: 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: Lumen

Degree/Pathway: Associate 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

2019-20 Highlights:

- ❖ **Eleven** P-TECHs have been approved since the inception of this program (HB 15-1270)
- ❖ 2019-20 total student enrollment (652 students) **increased by 60%** over 2018-19 total student enrollment (408 students)
- ❖ First-generation college students make up **44%** (290 students) of total student enrollment
- ❖ 2019-20 is the first reporting period that provides **post-graduation data** for P-TECH students. Approximately 73% of 2020 P-TECH graduates are either employed with a P-TECH industry employer partner or in their field of study with an employer at another location, or are pursuing continued education in their P-TECH field of study.

Business Partner: TechSTART

Degree/Pathway: Associate of Applied Science Computer Information Systems, Automotive Tech, Fire Science. 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: Associate 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; Novartis Gene Therapies, KBI Biopharma

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, CAD and Mechatronics; Associate of Applied Science in Mechanical Engineering Technology

Greeley-Evans School District 6 (Greeley Central High School, Greeley West High School, Jefferson High School)

First year of operation: 2020-21

Higher Ed Partner: Aims Community College

Business Partner: Greeley-Weld Habitat for Humanity; FCI Constructors; Vestas Blades America, Inc.

Degree/Pathway: Associate of Applied Science: Building/Construction Site Management/Industrial Technology

Abraham Lincoln High School PTECH Academy

First year of operation: 2020-21

Higher Ed Partner: Community College of Denver

Business Partner: Pinnacol Assurance; Microsoft; Denver Public Schools Finance Department

Degree/Pathway: Associate of Arts Business (Degree w/Designation); Associate of Arts CIS/Business

STUDENT ENROLLMENT DATA (2019-20 School Year)

Total student enrollment in all schools: **652**

Student Enrollment by Grade/Year Level

	Power TEC - James Irwin	Falcon Tech - SVVSD	EC@N-STEM - Adams 12	Cañon City High School	STEM Highlands Ranch	Warrior Tech Frederick HS SVVSD	Warrior Way High – Mesa 51
Total Enrollment all grades/years	180	207	100	50	54	28	33
9th Grade	66	60	34		22	28	21
10th Grade	41	63	30	22	17		2
11th Grade	30	51	20	22	13		5
12th Grade	20	33	16	6			5
5th Year	6						
6th Year	2						

Student credit accumulation toward meeting established graduation goal

Credit Accumulation (all schools)	% (# of students) of total
Adequate (expected to graduate on schedule)	69% (448)
Excess (expected to graduate ahead of schedule)	22% (142)
Behind (expected to graduate behind schedule)	9% (62)

Where can I learn more?

- [Office of Postsecondary Readiness, ASCENT Resources](#)
- [Annual Report on Concurrent Enrollment, 2016-17 School Year](#)
- [View all CDE fact sheets: www.cde.state.co.us/communications/factsheetsandfaqs](http://www.cde.state.co.us/communications/factsheetsandfaqs)