
STEM SCHOOL
HIGHLANDS RANCH

Career Discovery

Concurrent Enrollment

- Available to 9th-12th graders
- More ACC courses at STEM than any other school in the district
- Partnership with ACC, Metro, CSU
- Students can earn AA degree while in high school.

P-Tech

- Technical pathway
- Students earn an AAS in a technical field.
- Students earn industry certifications
- Can start in 9th grade and continues through year 14

I-LOP

- Internship in field of interest for course credit.
- Posted on transcript

Concurrent Enrollment

- Allows students to try college level courses for credit.
- Credits transfer to Colleges in Colorado

Colorado College Pathways

- These are transfer pathways that transfer to Colorado Colleges
  - Biology- Pre Med
  - Computer Science- CSU, CU or Mines transfer
  - Aerospace- CU transfer
  - Biomedical Engineering- CU transfer
  - Engineering - Colorado School of Mines transfer

Concurrent Enrollment

What Sets Us Apart

- More ACC (and AP) courses taught at STEM than any other school in the district.
- We do not gate keep meaning we allow 9th and 10th graders to take ACC courses.
- STEM pays for concurrent enrollment tuition fees so there is little to no cost for families to take college courses.
- We have identified pathways for students to earn AA degrees that transfer to Colorado Colleges.

P-Tech

- Pathways in Technology Early College High school (P-TECH) brings together the best elements of high school, college and the professional world.
- Students can begin as early as 9th grade and go through 13th or 14th grade (i.e. high school and two equivalent years of college) to earn an Associate of Applied Science degree.
- P-TECH provides college education, relevant workplace skills and *No tuition cost* to students and families.

P-Tech Pathways

Robotics and Automation

- integration of mechanical, electrical, control, automation, robotics, computer system
- Internship with industry partners
- Students earn AAS and industry certifications

Cybersecurity

- Access the security needs of computer and network systems
- Internship with industry partners
- Students earn AAS and industry certifications

**New- Game Design

- 3D animation and video game design
- Internship with industry partners
- Students earn AAS and industry certifications

Engineering- Robotics and Automation

- Mechatronics is a 21st century field focusing on recent innovations in technology.
- Mechatronics is a synergetic integration of mechanical, electrical, control, automation, robotics, computer system for industry and computer engineering technologies.
- Associate of Applied Science in Robotics and Automation Technology
- Students must complete an internship
- Students will earn industry certifications

Cyber Security

The Cybersecurity pathway prepares students to:

- Access the security needs of computer and network systems
- Recommend safeguard solutions
- Manage the implementation and maintenance of security devices, systems and procedures
- Associate of Applied Science in Cybersecurity
- Students must complete an internship
- Students will earn industry certifications

**New- Game Design

- The Game Design and Development degree is a two-year Associate of Applied Science program that prepares students to work as a game developer or computer programmer.
- Game development classes make certain students know how to apply their programming skill to create engaging games using an industry standard game engine, and art and multimedia courses provide the creative background necessary for students to effectively integrate with the diverse teams that work on modern games

Who Can Participate in CE and P-Tech

- Be in 9th, 10th, 11th, or 12th grade
- Be a student of good standing in previous coursework and show a history of strong standardized test scores. This may include a GPA of 3.0 for the previous 2 semesters.
- Have a social maturity to excel in a college environment
- Receive a minimum score on the ACT, SAT, or Accuplacer as needed, or meet the course prerequisites.
- Complete all portions of the CE application and submit the completed application to the STEM Post Graduate Assistant by the published deadlines

- Meet with the Post Graduate Assistant once each year to review eligibility for CE
- Be enrolled in a college-level, guaranteed transfer courses or counselor approved courses
- If required, return the attendance form that will be sent to students
- Be enrolled in the College Opportunity Fund

** All P-Tech students must apply for P-Tech by October of their Junior year

What If My Student Leaves P-Tech?

If my student does not finish the P-TECH program, do I need to repay the tuition cost?

There is no penalty, or cost, or problem if a student leaves the program. Students can leave at any time, take their certifications with them, and they get to keep the college units they have earned.

I-LOP-
Innovative Learning Opportunities Pilot

- ILOP provides an accelerated opportunity for students to earn a postsecondary credential, helping students develop the knowledge, skills, and abilities necessary to be postsecondary and workforce ready.

- Students earn course credits for apprenticeships and internships. This does not need to be part of P-Tech or CE but can be used to enhance those pathways.

- Students choose the industry/business they would like to intern with.

For more information, please scan the QR code below or pick up one of our flyers.

Welcome

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