

STEM Career Discovery Night 2019 - 2020

For High School Students
Looking to Tomorrow, Today



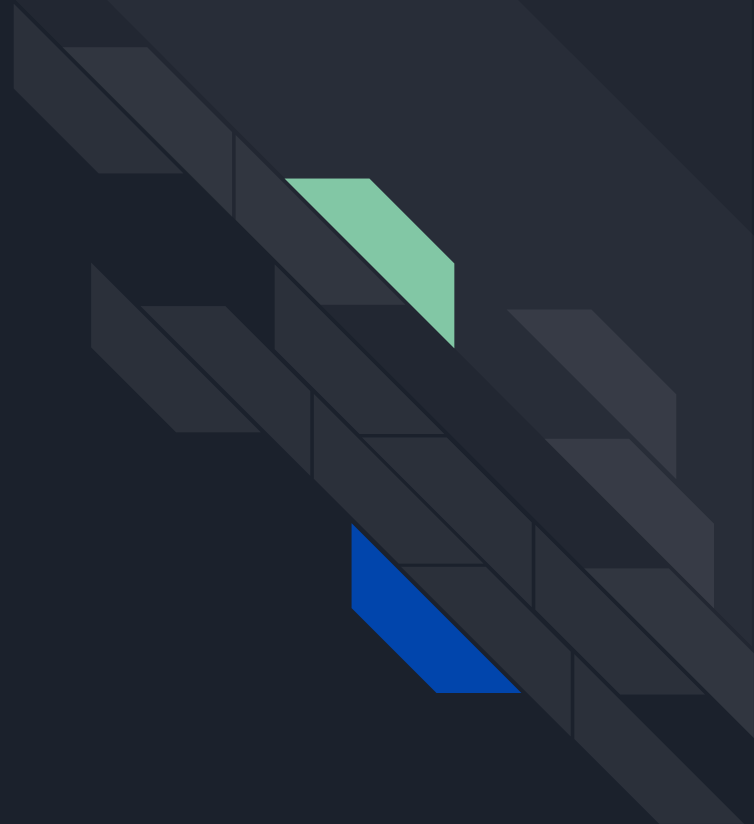
What is STEM Career Discovery?

STEM Career Discovery is a career exploration initiative that affords STEM students opportunities to participate in community outreach, mentorship, and paid internships and apprenticeships.

Programs:

- P-TECH
- Career Mentorship Program
- Internships
- Career Discovery Nights
- CareerWise
- Concurrent Enrollment

P-TECH





Opportunity: 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 begin as early as 9th grade and can go through 13th or 14th grade (i.e. high school and two equivalent years of college)
- P-TECH provides college education and relevant workplace skills and at NO COST to students and families, and included PAID internships!

Mechatronics & P-TECH



- Mechatronics is a synergetic integration of mechanical, electrical, control, automation, robotics, computer system for industry and computer engineering technologies.
- Students will earn an Associate of Applied Science in Mechatronics Engineering Technology degree from Arapahoe Community College.



Career Mentor Program
& Internships

APPLICATIONS DUE FEB 21, 2020!



Opportunity: Career Mentorship Program

- Selected students will be paired with a mentor in the career field of their choosing.
- Each semester, students will spend approximately 12-15 hours with their mentor, shadowing and working with them in the workplace.
- All 2019-2020 participants in CMP will form a cohort and participate in quarterly roundtable discussions to discuss and reflect on their experiences.
- Must be in 10th, 11th or 12th grade to participate.

APPLICATIONS DUE FEB 21, 2020!

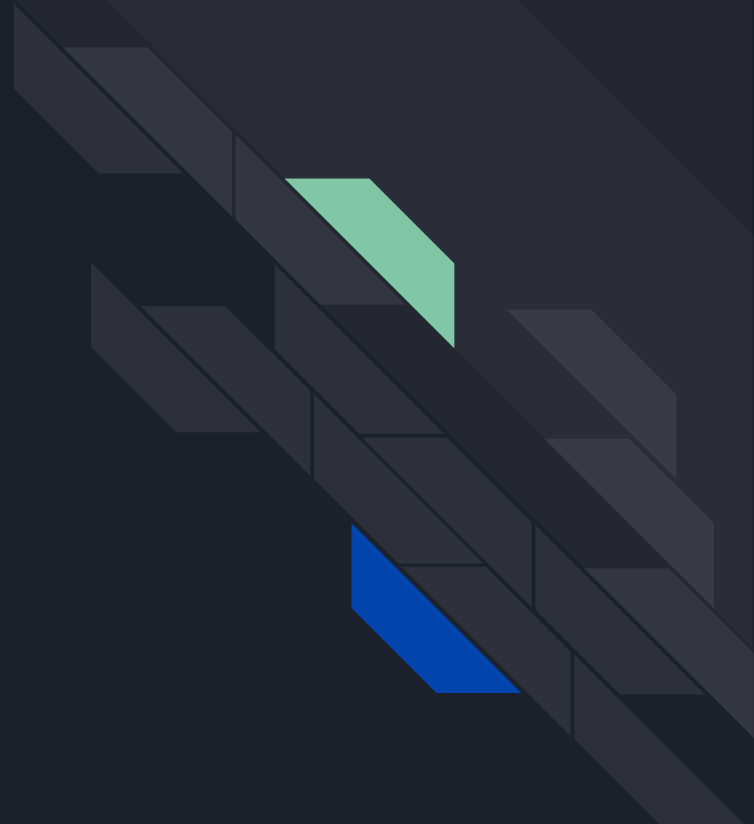



Opportunity: Internships

- Students work in a paid internship for a minimum of 75 hours per semester and earn a maximum of .5 credit per semester.
- Students can find their own internship opportunities in fields that STEM does not already have set up
- Click [here](#) for the complete policy
- Must be in 10th, 11th or 12th grade to participate.

APPLICATIONS DUE FEB 21, 2020!

Career Discovery Nights





Interested in CMP or Internships for Fall 2020?

- If you are interested, you must complete the online [STEM Career Discovery Application](#).

To access the application, go to www.stemk12.org, click students, click STEM Career Discovery, and click the application link on the left.

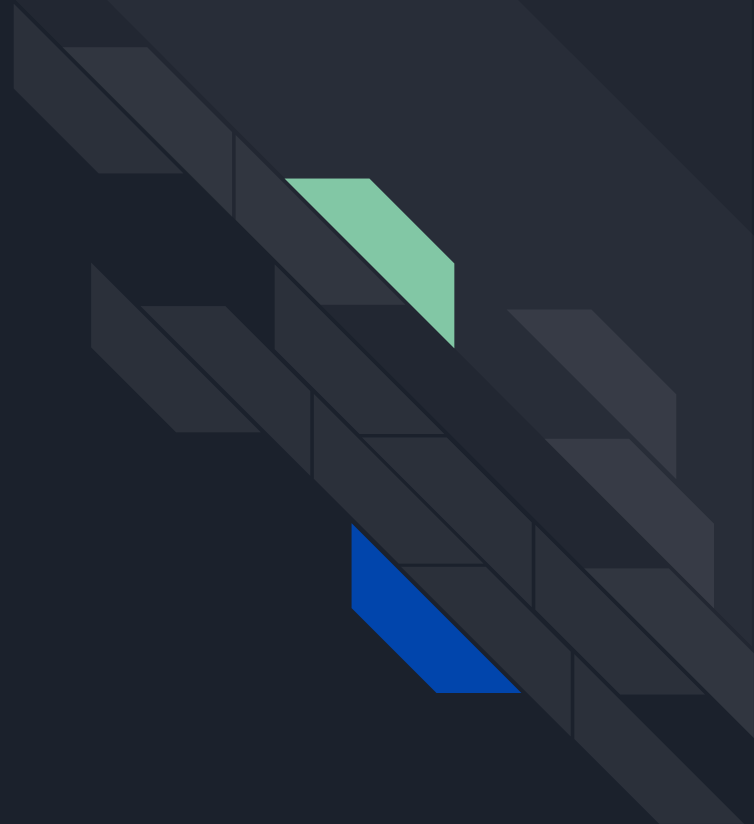
APPLICATIONS DUE FEB 21, 2020!



Opportunity: Career Discovery Nights

- Opportunities for students to meet with companies to learn more about what it's like to work in STEM fields.
- Typically targeted for students in grades 9-12.
- Prior years:
 - So you want to be an engineer?
 - So you want to be a computer scientist?
 - First Responders, FBI, Military Technology
 - Aerospace Engineering
 - Orion event with Lockheed and ULA

CareerWise





Opportunity: CareerWise

- CareerWise Colorado is an independent education initiative based in Denver that pairs schools with industry leaders willing to accept paid student apprentices.
- Only available to 11th and 12th grade students
- **Students must apply directly to CareerWise**
- Requires a 3-year commitment to CareerWise

Video: <https://vimeo.com/294846310>



CareerWise Apprenticeship Pathways:

- Business Operations - focusing on project management
- Financial Services - focusing on claims, underwriting, or accounting
- Advanced Manufacturing - focusing on quality
- Information Technology - focusing on computer technician



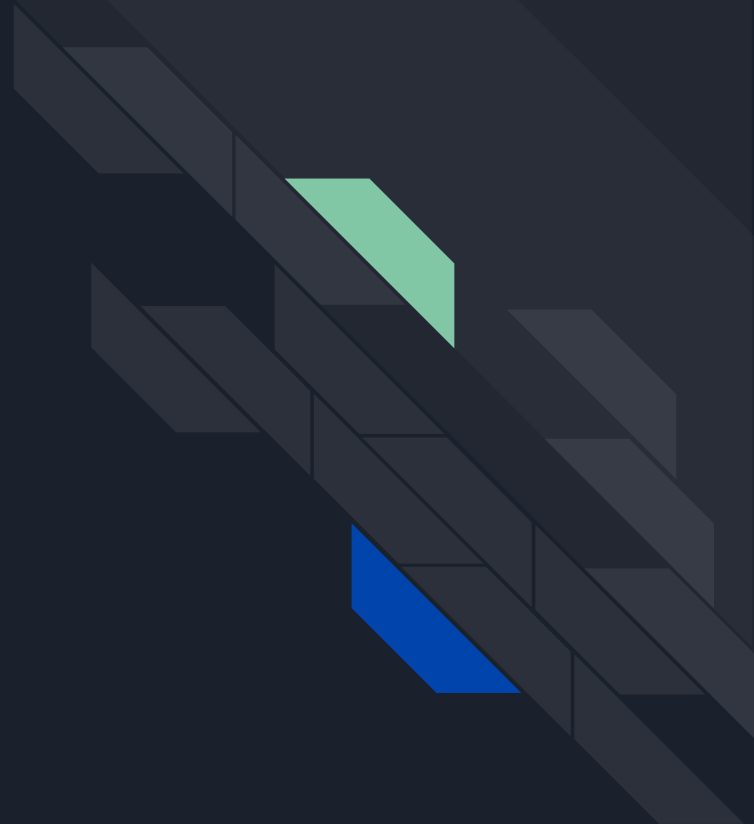
CareerWise Application Process for 2020 - 2021

- Complete CareerWise Application on-line at <https://careerwisecolorado.force.com/s/>
- **Deadline to apply is April 17th, 2020**

HOW IT WORKS	YEAR 1	YEAR 2	YEAR 3
HIGH SCHOOL ACADEMIC CLASSES	3 DAYS PER WEEK	2 - 3 DAYS PER WEEK	NONE
ON-THE-JOB TRAINING	12 - 16 HOURS PER WEEK	20 - 24 HOURS PER WEEK	32+ HOURS PER WEEK
HIGHER ED PARTNERS COLLEGE-LEVEL COURSEWORK ALIGNED WITH YOUR PATHWAY	COLLEGE COURSES BASED ON YOUR GOALS & READINESS The instruction you receive here will provide you debt-free college credit and the knowledge you need for your nationally recognized industry certification. Typically, courses are taken in the second half of the apprenticeship.		

Every apprentice's schedule is unique. If you're starting as a junior your schedule will resemble this model.

Concurrent Enrollment





Opportunity: Concurrent Enrollment

- Dual enrollment in both a university and high school
- Students may be able to earn an associate degree before graduation
- Courses can be on STEM's campus, or at local universities
 - Arapahoe Community College (ACC)
 - CU Denver
 - Metro State
- P-TECH classes are Concurrent Enrollment classes



Who can participate in Concurrent Enrollment?

- 9- 12 grade students (10-12 grade for off campus)
- 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 the social maturity to excel in a college environment
- Receive a minimum score on the ACT, SAT, or Accuplacer as needed
- Complete all portions of the CE application and submit the completed application to the Concurrent Enrollment Counselor by the published deadlines
- Meet with the Concurrent Enrollment Counselor once each year to review eligibility for CE
- Be enrolled in a college-level, guaranteed transfer courses
- Be enrolled in the College Opportunity Fund



Off Campus

- Student must have prior approval from STEM School Highlands Ranch
- Must be a class not offered at STEM School Highlands Ranch
- Must align with student's career goals and be approved by STEM School Highlands Ranch
- Tuition is paid by STEM at the Community College rate (approx. \$148, but varies each year) and will **ONLY BE PAID IF** a student has been granted permission to take the course and a completed application is on file.
- Student/Parent/Guardian is responsible for payment of any additional tuition not paid by the school, including fees, online tuition, and books.
- Students must provide their own transportation



College Campus Available Tracks

Track 1	Track 2	Track 3
Full time course load at STEM (6 courses) & maximum of 6 credit hours of college courses	Half time course load at STEM (4 courses) & maximum of 9 credit hours of college	No courses at STEM & minimum of 12 credit hours of college courses



Costs for Full Time Off Campus

	ACC Red Rocks	Metro	CU Denver
Tuition	148.90 per credit hour	\$268 per credit hour	\$330 per credit hour
Paid by STEM	-148.90	-148.90	-148.90
Families Pay	\$0 per credit hour up to yearly max	\$119.10 per credit hour	\$181.10 per credit hour



Credit Equivalency

College Credit Hours	High School Credits
5 college hours	2 high school credits
4 college hours	1.5 high school credits
3 college hours	1 high school credit
1-2 college hours	.5 high school credits



Acceptance of CE Course Credit

- Colorado State law mandates that all guaranteed transfer courses be accepted at Colorado State Schools.
- Private and Out of State Universities have the following options:
 - Accept the credit as is
 - Accept the credit as elective credits, but not for student's major
 - Use the credit for placement, but not count as credits
 - Not accept any prior credit
- Students should reach out to admissions offices at prospective universities to determine their approach to Concurrent Enrollment Credit



STEM Enrollment

- Complete typical course enrollment process via STEM
- Apply to cooperating university
 - Must apply COF!
- Pass placement testing if applicable
- Submit online Concurrent Enrollment Agreement

Off Campus

- Review CE information on the STEM website
- Submit CE interest form to STEM CE Counselor
- Determine what course(s) to take off campus
- Submit required paperwork to STEM CE Counselor
- Arrange meeting with Cooperating College
- Attend New Student Orientation if required



STEM Career Discovery is Ongoing!

- Students must [reapply](#) each year. Likewise, if a student is not selected for next year's program, we encourage them to apply again for 2020-2021.
- Students have the opportunity to try each of these programs, or a combination of them during their tenure at STEM.
- Priority may be given to upperclassmen in the placement process.
- We encourage students to participate in one of these programs at least once prior to graduation!



STEM Contacts for Career Discovery Programs

CareerWise & Concurrent Enrollment: Kandace Lytle

P-Tech: Mike Shallenberger

Internships: Hannah Reese

Career Mentorship Program: Lauren Harper



Working Together

(Community, Industry, Students, Parents, Schools)

Mission: We are inviting industry, community, and businesses to join us in making sure every student has the kind of ships that promote kindness, readiness for future careers, and passion for infinite opportunities to help humanity.

If you're interested or able to help expand opportunities for students, let us know!