

Descriptions of STEM Programs available at Northglenn HS STEM

P-TECH: Computer Information Systems Also called "Early College at Northglenn STEM" or EC@N-STEM

Free AAS
Degree

Brief Description:

Early College at Northglenn STEM is a partnership CenturyLink and Front Range Community College for students to earn a free AAS degree in Computer Information Systems. Students will be workforce ready upon completion of the program.

Years to Complete:

Normally five years. Four years at Northglenn HS and one year at Front Range Community College

College Options While in High School:

- Students receive their Applied Associates of Science degree in Computer Information Systems for free (AAS in CIS).
- Students are concurrently enrolled at FRCC and Northglenn.
- Students take college-level coursework starting first semester of their first year in high school.
- Students can take AP course in addition to their FRCC college classes, as appropriate.

Post High School Trajectory:

Students are employment-ready in IT fields. They can continue to a four-year university. Some of their AAS credits may transfer.

Student Profile (from the law):

"P-TECH is open to all students, with a special focus on encouraging enrollment of students who are the first to attend college in their family, socio-economically and racially diverse, English language learners, and students with disabilities."

Application Process Distinctions:

Complete applications will receive the following considerations:

- 25% is based on students' profiles as outlined within the law;
- 25% is teacher recommendations;
- 25% is student's "Career Interest";
- 25% is school records including: grades, attendance, and discipline.



Northglenn HS Pathway Important Info for Applicants

NorthglennHS.org

Application

- There is one application for all three pathways;
- Applications can be downloaded from the Northglenn HS Website;
- The most important part of the application for students to spend time on is the Innovation Task for their chosen pathway;
- The last page of the application is for Computer Information Systems Applicants only;
- Applications are due to Northglenn HS STEM by December 8, 2017 at NOON;
- Students who are accepted into the program will be informed during winter break by U.S. Mail;
- Approximate number of spots per pathway: Biomedical – 120, Computer Information Systems – 64 (fixed), Engineering – 120.

Family Visits & Student Shadows

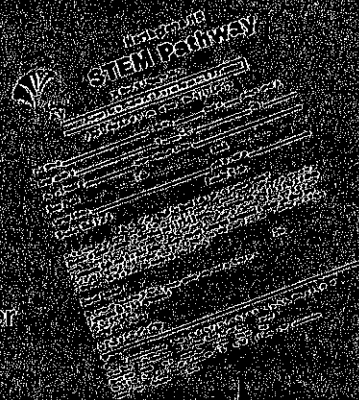
- Check out the website site for family visit dates. The next family visit is Friday, December 1, from 7:00 – 9:00 am.
- Once families have toured the program, we can schedule a half-day student shadow.

Changing Pathways and On-ramping

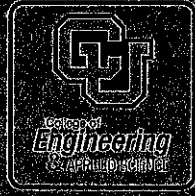
- In order to complete a pathway, students need to make any schedule changes by the first semester of their sophomore (10th grade) year.
- For P-TECH (Computer Information Systems), program spots will be backfilled from a waitlist of students currently attending Northglenn HS STEM.

Guaranteed Acceptance to CU-Engineering

- Students planning on keeping options open to attend CU-Engineering, need to make sure to take three years of a world language (or two years of two different world languages).



P-30-10:30 am	P-00-9:00 am
F-9/8	F-9/8
F-10/6	F-10/24
F-11/17	F-12/7
F-11/2	F-2/6
F-2/23	F-3/6



STEM Pathways students get
Guaranteed Admission to University of Colorado - Boulder,
College of Engineering and Applied Sciences

#ards show

- 2 years of STEM pathway classes with grades of B or better
- 3 AP classes with grades of B or better and 2 AP tests (with scores 3-4)
- 3 years of advanced social sciences and world language (or two years of two world languages)
- 4 years of English and calculus preparatory math (including the completion of CMC4)
- Weighted GPA 2.83
- Class rank in the top 15%
- SAT Math 570 (or ACT Math 25)
- SAT Evidence-Based Reading and Writing 570 (or ACT English 25)