

CTE SIGNATURE STEM REGISTRATION GUIDE

CTE Signature STEM - What is it?

CTE Signature STEM Programs run similar to our local Skill Center.

- Unless the Signature STEM Program is at the student's home high school, they will travel to the high school which houses the program.
- Programs are run during period 5 and 6 - traveling students will travel during second lunch
- Each program earns students two credits and qualifies for completion of a CTE Graduation Pathway.

There are currently 5 programs:

- Aerospace Engineering and Manufacturing at CHS
- Automotive Mechatronics at CHS
- Cisco Networking Academy at JHS
- Healthcare Academy at EHS
- NJROTC at EHS

Registration Process

- **Students should complete the Pre-Registration Survey bit.ly/EPS_SignatureSTEMPreRegistration**
 - CTE reviews students interested and will provide a list of students interested who meet qualifications to LMS so that the Signature STEM Courses can be added to the schedules ahead of time.
 - This does not mean students can't be added after, it's just a step we're using to help lessen the burden on registrars later in spring.
 - If a student doesn't complete the survey ahead of time, they should register for Signature STEM programs like they would any other course and we will send them the survey after the fact.
- Students registering for NJROTC who do not attend Everett High School will need to be registered for a second course to be taken at Everett High; more on this below.
- With the exception of NJROTC, students interested in Signature STEM programs should be rising 10-12th grade students.

Aerospace Engineering & Manufacturing

At Cascade High School



Great for students who enjoy solving design challenges, working with their hands, Creating with tools and technology, Analyzing problems to come up with solutions, and exploring the stars and universe

- **In this program, students will discover the world of flight by building planes and rockets, draft blueprints and use tools and skills to bring them to life, and will work together in groups like real industry teams.**
- Benefits include preferred hiring with Boeing and OSHA 10 certification
- Students interested should register for **453CTE Block: SigSTEM Aerospace Engineering**

Automotive Mechatronics

At Cascade High School



Great for students who enjoy talking about cars, rovers or drones, understanding how things work, working with tools and technology, and analyzing problems to come up with solutions

- **In this program, student will train in an auto shop to maintain and repair cars to get them to auction, study mechanical and electrical systems of cars, robots and drones, work as a team to get a job done, and operate rovers and drones**
- Benefits include Drone FAA107 certification and OSHA 10 certification
- Students interested should register for **601CTE Block: SigSTEM Automotive Mechatronics**

Cisco Networking Academy

At HM Jackson High School



Great for students who enjoy learning something and applying it to new situations, problem solving, being creative, using technology, and understanding how things work

- **In this program, students will build physical components of real computer networks, learn how data travels, explore switches and routers, practice cybersecurity, work as a real tech team**
- Upon completion of this course, students may sit for the following:
 - Cisco Certified Support Technician Certification (CCST)
 - Cisco Certified Network Associate Certification (CCNA)
- Students interested should register for **701CTE Block: SigSTEM Cisco Networking Academy**

Healthcare Academy

At Everett High School



Great for students who enjoy helping and caring for others, working with a team, taking risks to learn new skills, showing empathy and compassion for people in your life, serving your community

- **In this program, students will develop skills to care for patients in the classroom clinic, role-play healthcare scenarios, earn certifications to help you get a job as early as 16 years old, get support to build your portfolio and resume for your future**
- Students in this program can earn the following certifications:
 - Home Care Aide
 - First Aid/AED
 - Nursing Assistant
 - Food Handlers Permit
- Students interested should register for **420CTE Block: SigSTEM Healthcare Academy**

Naval Junior ROTC

At Everett High School



Great for students who enjoy leading others, learning about government and citizenship, serving your community and neighbors, feeling like part of a greater organization

- **In this program, students will learn about military science and history, participate in competitions like Drill, Marksmanship, and more, take on leadership and mentorship roles, and enjoy a unique schedule where every day of the week is different**
- Students interested should register for the next NJROTC course in their sequence - 105NJR - 505NJR Blocks
- NJROTC Block includes 1 NJROTC Course and 1 additional course to be taken AT EHS (when EHS is not the home high school)
- Traveling students will only take NJROTC in either periods 5 or 6 with the additional course taken before or after
- Registrars and counselors should work together to determine which second course should be taken at EHS.