

Questar III and HVCC STEM High School

Reimagining what high school can be.

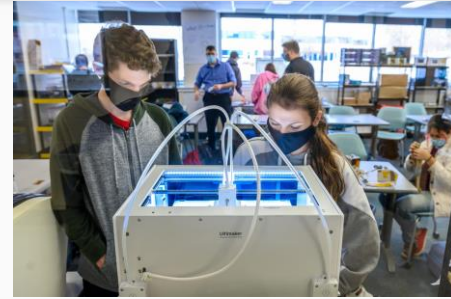


Our Purpose

- Provide opportunities for students to begin preparing for their chosen career as early as possible.
- Students work to complete their high school graduation requirements while also taking college coursework that ultimately ends in an associate's degree
- Support students so they find success in rigorous coursework so they build confidence and become lifelong learners
- Challenge all students to tackle real world problems to find solutions using technology in emerging career fields

"We are currently preparing students for jobs that don't yet exist...using technologies that haven't been invented...in order to solve problems we don't even know are problems yet." -

Richard Riley, former Secretary of Education



Questar III BOCES Component District Schools:

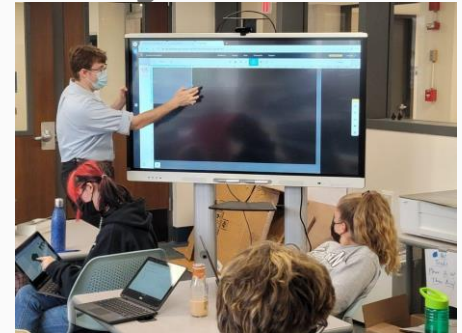


Students from Rensselaer, Columbia or Greene Counties can apply. The program is also open to students come Capital Region BOCES component districts.

What is P-TECH and ECHS?

P-TECH (Pathways in Technology) and SS-ECHS (Smart Scholars- Early College High School):

- Allow colleges and universities to partner with public school districts
- Fill workforce development skill gaps
- Students earn college credits while completing their high school diploma
- Puts students on the fast track to a college degree while saving their families thousands of dollars in tuition costs.



Questar III and Hudson Valley Community College Partnership

- Both programs are located on Hudson Valley Community College campus, we have our own building.
- HVCC professors start working with our students as early as 9th grade.
- P-TECH- 6-year program (earn an AAS degree, 63 college credits)
- SS-ECHS- 4-year program (24-60 college credits)



In-Demand Career Focus

PTECH Pathways

- Computer Information Systems (web development, cybersecurity, Artificial Intelligence)
- Engineering Technology (move on to any of the engineering fields)
- Environmental Science and Protection Technology (Clean Energy Management)

Early College High School Pathway

- Computer Information Systems (web development, cybersecurity, Artificial Intelligence)
- Health Sciences (Examples include Respiratory Therapy, Radiologic Technology, and Dental Hygiene)
- Liberal Arts and Sciences



What are the Benefits of these programs?

- Students participate in college classes that are **cost-free** education focused on the knowledge and skills they need for careers in the STEM fields.
- Combines the best elements of high school, college
 - Students fulfill all requirements to graduate high school, but while earning 24-63 college credits.
- Worksite visits and workplace learning
 - Through field trips, guest speakers, internships and a mentorship program students learn directly from partners in the industry.
- Access to all academic, social, planning and other supports provided to HVCC students
- Individualized academic support by K-12 faculty
 - A full high school teaching and support staff is present every day to support students and stay connected to families.

How are these programs different

P-TECH:

- 6-year curriculum
- Associate of Applied Science (AAS) Degree-60+ college credits
- Every student assigned an industry mentor
- Focused pathways on environmental science, engineering science, or computer science

SS-ECHS

- 4-year curriculum
- 24-63 transferable college credits
- Focused pathways on health sciences
- Industry mentors not required by grant but still developed through school model



Who is a Successful Student?

SUCCESS



LOADING...

- Successful students are:
 - Motivated to explore new and exciting ways to learn
 - Interested in attending college courses throughout their high school careers
 - Able to succeed in a non-traditional classroom setting
 - Interested in the rapidly growing fields of computer information science, web development, engineering, environmental, or health sciences
 - Works well in highly collaborative environments
 - Desires a different type of high school experience



Home District Collaboration

STEM HIGH (P-TECH / SS-ECH) Responsibilities:

- Provide course list
- Send academic reports to families and district
- Send a copy of unofficial transcript yearly
- Contact home districts regarding Regents exam orders
- Monitor grades in college courses
- Contact home districts if we have any academic / behavior concerns that need to be addressed or reported

Home District Responsibilities:

- Accept the credits and grades as provided by Questar III STEM High
- Input grades into home district grade management system each quarter
- Share Regents scores with Questar III STEM High
- Maintain official transcript and permanent record
- Award diploma at completion of the program

The Future of Work is STEM Education

the
future
of work

Student Experiences



Recruitment and Outreach Plan

- Program website- <https://www.questar.org/education/ptech-echs/>
- Personal family tours (began in early October)
- Presentation to School Counselors where information is shared
- Multiple family presentations at night via zoom
- Visits from STEM HS school Counselor Tim Honsinger
- Application Opens January 15th
 - Family interviews will occur throughout Jan and Feb
 - Lottery for districts who have limited slots- March
 - Acceptance letters sent out April 1st
 - Visit our program website at <https://www.questar.org/ptech-echs/>
 - Email us to connect
 - kim.sparkman@questar.org- STEM HS Principal
 - timothy.honsinger@questar.org- STEM HS School Counselor

