

STEM Tech Academy Grant



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STEM-Tech Career Academy

The Need:

- The STEM workforce is insufficient to meet current and future industry needs, AND gaps exist in the attainment of ***STEM Credentials, Wages, and Workforce Diversity***.

A Solution:

- The STEM-Tech Career Academy concept leverages existing **CTE Innovation Pathways** and/or **Early College** programs to build bridge programs culminating in Associate Degree attainment in high need STEM fields. Current HHS programs include:
 - Information Technology
 - Computer Science & Web Development
 - PLTW Biomedical Science
 - Healthcare Occupations
 - PLTW Engineering/ Manufacturing

Commitment of \$6.5M for 4-6 schools

Source of Funds: CTI earmark in 12/21 ARPA Bill (1599-2037) & Skills Capital Grants

Exploration Grant
FY23

Year 1

- Planning
➤ \$50K

Launch
"Start Up"
FY24 Student
Recruitment

Year 2

- Operation Resources
➤ \$250K
- Technology/Equipment
➤ \$450K

Student Enrollment
Implementation
FY25-FY26

Year 3 and 4

- Operation Resources
➤ \$250K FY25 & \$250K FY26
for a total \$500K

STEM-Tech Career Academy

Six-year student experience 9-12th grade to an Associate Degree (College Years 1 & 2)

- **Total 6 courses in the high school plan,**
 - 4- course sequence of advanced courses
 - College-level Math and English courses
 - 2 technical courses
- Individual **Support** and Career **Planning**
- 300 hours of **Work-Based Learning** experience (Mentoring & Internships)
- **Industry credentials** attained at HHS and NECC

Student Experience

High School

18-24 College Credits

Earn HHS Diploma

Earn Certifications

College

36 - 42 College Credits

Earn Associates Degree

No Out of Pocket Cost

Earn Certifications

Prepared For Employment

Industry

Explore Careers

Mentoring and Internships

Real Work Experience