

# P-TECH

## 2015

K-12  
Education

Employers

Higher  
Education



# WNY P-TECH STEM College & Career Academy



# WNY P-TECH STEM College & Career Academy

## Considerations for Enrollment:

- CURRENTLY ENROLLED AS 8<sup>TH</sup> GRADE STUDENT
  - AT RISK FOR NOT COMPLETING HIGH SCHOOL IN TRADITIONAL ENVIRONMENT
  - GOOD ACADEMIC STANDING
  - DEMONSTRATED INTEREST IN STEM
  - LETTER OF RECOMMENDATION FROM A DISTRICT TEACHER
  - COMPLETION OF APPLICATION BY FAMILY AND LOCAL SCHOOL DISTRICT
  - DISCIPLINE RECORD SUBJECT TO REVIEW
- ◆ Dunkirk City Schools is lead educational agency for the P-TECH grant, submitting the application on behalf of a consortium of school districts throughout region with Erie 2-Chautauqua-Cattaraugus BOCES as the implementation agency. The LoGuidice Campus will house the program in its initial years.
  - ◆ The WNY P-TECH STEM College & Career Academy is being designed to be a college campus within an educational center. A building is being prepared to house the program and support P-TECH educational philosophies and learning styles.
  - ◆ This is a six-year commitment for students and their school districts, as students remain enrolled in their home districts for the four years of high school, plus an additional two years for the AAS degree. Students completing the program will earn a NYS Regents Diploma from their home district at the same time they earn an AAS degree from Jamestown Community College.
  - ◆ Under the guidelines of the state, the programs must be structured for students to come together on the first day of their freshman year, with no new students added to the cohort over the six-years.



**T**he P-TECH WNY STEM College & Career Academy will offer a place-based, differentiated learning culture with specialized educators working in tandem with higher education, business partners and component school districts to support students as they obtain a NYS Regents Diploma and AAS in Mechanical Technology (with specializations available in pre-engineering design or precision machining) or Welding in addition to several certifications through CTE.

- ◆ A cornerstone of this program is additional hours of instructional time designed to introduce students to industries in the region, project-based learning, career exploration and industry terminology, standards and employment soft skills.
- ◆ High-rigor STEM curriculum will be taught in a connected, collaborative environment, integrated with hands-on learning using state-of-the-art manufacturing equipment. Students will participate in job-shadowing and internship experiences throughout the program. Students will utilize 1:1 technology integrated in their educational program.
- ◆ Higher Education has committed a reduced tuition rate (not paid by student or family), advisors and career specialists, all student resources offered to all students as well as the utilization of an advanced manufacturing learning lab.
- ◆ Business entities and their membership have pledged guidance, mentors and work-based learning opportunities. This program concentrates on the advanced manufacturing industries, which have experienced consistent growth and expansion in the region.
- ◆ These companies are seeking qualified employees who are fluid in technology, adaptable to change, and able to think on their feet. This program will create “high-tech manufacturing athletes of the future” to help companies continue to grow and innovate.



◆ At the same time, it will engage young people at risk in exciting college and career pathways geared toward good careers and futures within our region and the global economy.



### **IDEAL CANDIDATES FOR THE WNY P-TECH STEM COLLEGE & CAREER ACADEMY**

- ◆ Interest in the real world applications of math and science
- ◆ Ability to respectfully communicate and work with others
- ◆ Motivated to learn in a challenging work environment
- ◆ Interest in using technology to research and acquire new information
- ◆ Willingness to learn in a non-traditional classroom environment
- ◆ Desire to learn time management, collaboration and problem-solving skills
- ◆ Students who **want** to go to college, but feel they **will not**
- ◆ Excellent work ethic
- ◆ Home District P-TECH commitment



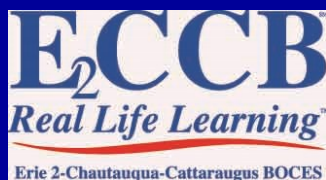
The consortium of Dunkirk CSD (Focus District) and Erie 2-Chautauqua-Cattaraugus BOCES, Jamestown Community College, the Chautauqua County Industrial Development Agency, the Manufacturers Association of the Southern Tier, the Chautauqua Chamber of Commerce and Western New York Dream It, Do It! representing manufacturing and precision machining industries partners, and the public school districts of: Bemus Point, Brocton, Cassadaga Valley, Chautauqua Lake, Clymer, Eden, Falconer, Fredonia, Forestville, Frewsburg, Gowanda, Holland, Jamestown, Lake Shore, North Collins, Pine Valley, Ripley, Sherman, Silver Creek, Southwestern and Westfield has been awarded funding of \$2.8 million over 7 years for the development and implementation of the Western New York P-TECH STEM College & Career Academy.

*All E2CCB component school districts may participate in the coser. The acceptance of students is competitive and each cohort is limited and is closed the first day of the students' ninth grade year.*

*Application packets for P-Tech enrollment for fall of 2015 will be made available in February 2015.*



- District commit to participation
- Number of slots: 40 students per cohort
- Recruitment of families starts: February 2015
- Cohort final determination made: April 2015
- WNY P-TECH STEM College & Career Academy Dedication: April 2015



For more information on the WNY P-TECH STEM College & Career Academy, please contact: Grant Manager Bill Smock at [wsmock@dunkirk.wnyric.org](mailto:wsmock@dunkirk.wnyric.org)

