

# Clean Technologies & Sustainable Industries Early College High School



**HVCC's TEC-SMART  
Malta, NY**

**Partnering Business, Government and Academia**



# 11<sup>th</sup> & 12<sup>th</sup> Grade

- Half day morning at TEC-SMART for high school & college coursework
- College Pathway Selection
  - 2 college courses each semester from HVCC college professors on college campus
- Work Based Learning
- Service Learning
- Job Shadows, Shark Tanks, Authentic Audiences, Project Exhibitions, On Site Mentoring with Industry Partners



# Senior Year

- Course
  - Intro to NanoTechnology
  - Economics & Public Policy
  - CHS English Composition I
- Themes:
  - College Essay Writing & Application Process
  - Why Nanotechnology?
  - Marketing
  - Role of Technology in the Political & Economic Environment
  - Microelectromechanical systems & cantilevers
  - Solar energy systems
  - Pushing the boundaries of nanotechnology
  - Globalization in the workforce
  - Capstone Project

