

Clean Technologies & Sustainable Industries Early College High School



HVCC North Campus
Partnering Business, Government and Academia



NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



On Site Information

- Program Hours 7:45-10:50
 - Students who drive or get dropped off can arrive at 7:30 AM for extra help for high school
- Students can get a driving permit the 1st week of classes
- Home school districts transport
- Health Records- Students need to submit all health records to HVCC health services (immunizations, meningitis)
- Students attend Monday through Friday
- HVCC Classes over February & April high school breaks. Schools do not transport during HS Vacations or weather delays/closures



NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Junior Year

- HVCC college coursework in selected pathway (1-2 classes each semester)
 - Clean Energy, Community & Public Health, Cybersecurity, Engineering Sciences, Entrepreneurship, Polysomnography, Surgical Technology
- High School Coursework at TEC-SMART:
 - Applied Mathematics in Clean Technologies
 - English 11
 - Environmental Science & Sustainability
 - Work Based Learning



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Clean Energy



Hacking & Cybersecurity



Entrepreneurship



Engineering Sciences



Health Related Fields (Community & Public Health, Polysomnography, Surgical Technician)



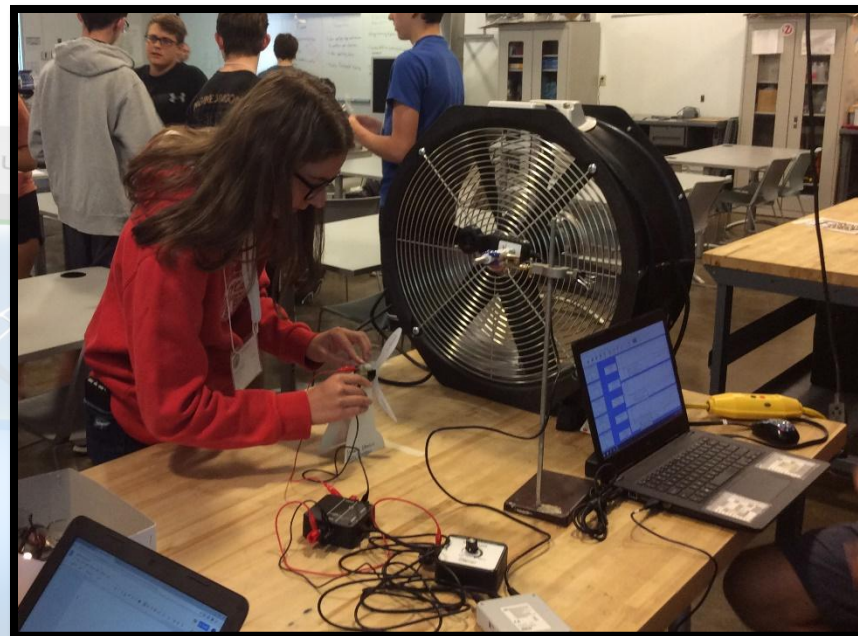
Training and Education
Semiconductor
and Alternative and Renewable

Spa
TRICT

Everyone Takes Everyone

Community
College

Clean Energy



Junior Year: Electrical Theory for Renewable Energy & MKTG 120: Principles of Marketing; Intro to Wind; College Math or Statistics

Senior Year: BADM 110: Legal & Ethical Environment of Business & Photovoltaics I; Electrical Power Distribution & Control and Photovoltaics II



NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Community & Public Health



Junior Year: SOCL 110: Social Problems and PSYC 100: General Psychology; BADM 220: Statistics and SOCL 120: Cultural Diversity in American Society

Senior Year: ENGL 125: Public Speaking and PSYC 200: Child Psychology and; CMHL 110: US Healthcare and CMHL 115: Healthcare Ethics



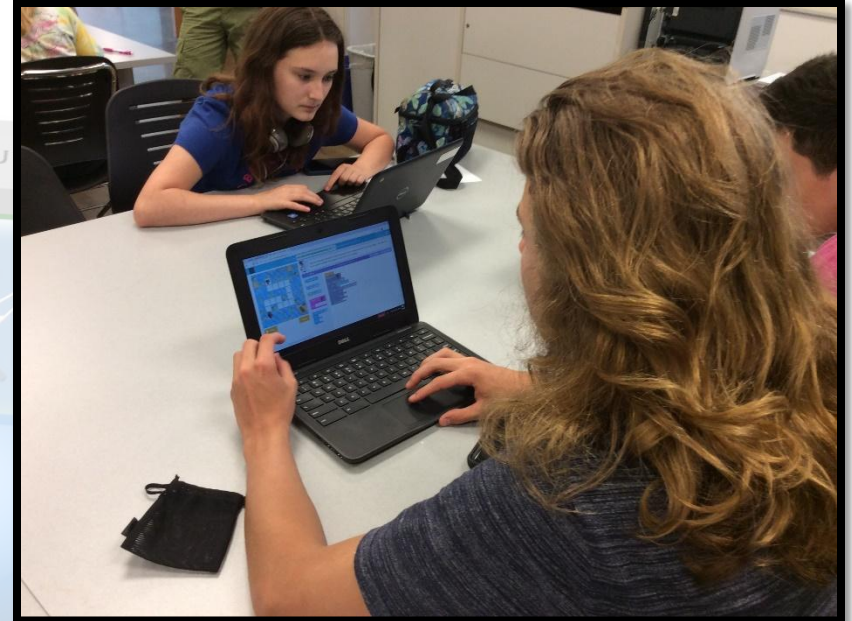
NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Hacking & Cybersecurity



Junior Year: PSYC 100: General Psychology and CISS 100: Intro to Computing & Info Sciences; College Math and PSYC 205: Developmental Psychology

Senior Year: CISS 110: Programming & Logic I & ENGL 125: Public Speaking; CRJS 101: Intro to Criminal Justice & CISS 125: Computer & Info Security



NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Engineering Sciences



Junior Year: CISS 110: Programming & Logic I and ENGR 120: Intro to Engineering Design; ENGR 110: Engineering Tools & MATH 170: College Precalculus

Senior Year: MATH 180: Calculus I and Science/LAS Elective; ENGL 102: English Composition II and MATH 190: Calculus II



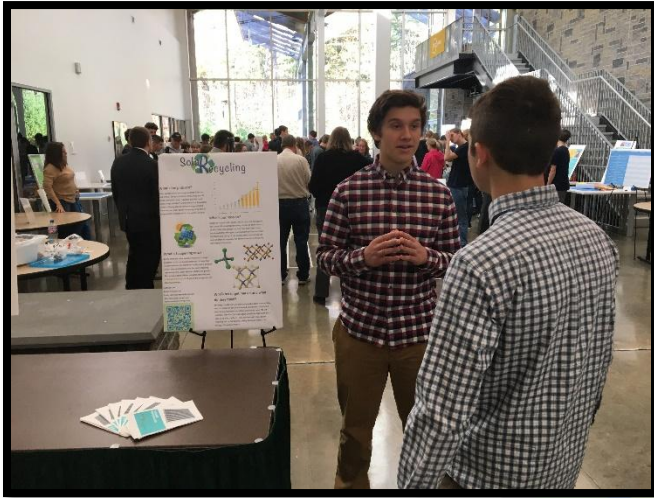
NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Entrepreneurship



Entrepreneurship Coursework

- Junior Year: ENTR 110: Intro to Entrepreneurship & MKTG 120: Principles of Marketing; College Math & PSYC 100: General Psychology
- Senior Year: ENTR 120: Entrepreneurial Process & BADM 220: Statistics; MKTG 210: Digital Marketing & BADM 207: Organization and Management



NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Polysomnography



Junior Year: PSYC 100: General Psychology and BADM 220: Statistics; and PSYC 205: Developmental Psychology

Senior Year: PHYS 110: Physics for Health Sciences and BIOL 139 A & P for Respiratory Care; CMHL 115: Healthcare Ethics; RESP 110: Human Anatomy & Physiology

**Students will have to go to the main campus in Troy for senior year classes at this time



NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Surgical Technology

Junior Year: PSYC 100:
General Psychology; College
Math and PSYC 205:
Developmental Psychology
Senior Year: BIOL 270:
Anatomy & Physiology I; BIOL
271: Anatomy & Physiology II
ENGL 102: English
Composition II



NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Senior Year

- HVCC college coursework in selected pathway (4 classes)
 - *Listed previously*
- High School Coursework:
 - CHS English Composition I
 - Green Economics & Public Policy
 - Introduction to Nanotechnology
 - College Essay Writing & Application Process embedded in curriculum



NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Student Supports

- Student Mentoring
- Tutoring Services
- Teacher Advisors
 - English, Math, Science, Social Studies, Technology
- On Site School Counselor & Administrator
- HVCC Workshops
- College Support Website



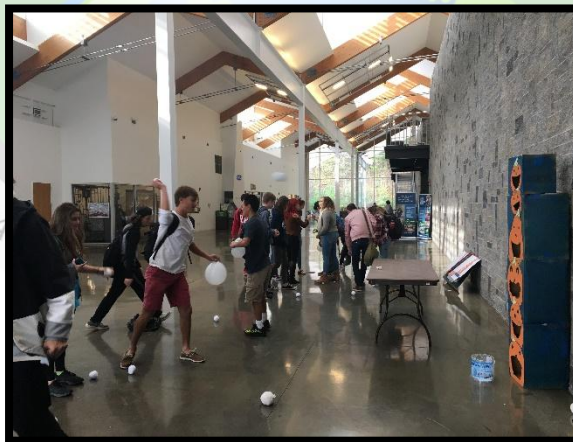
NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Student Life



NYSERDA
Supported

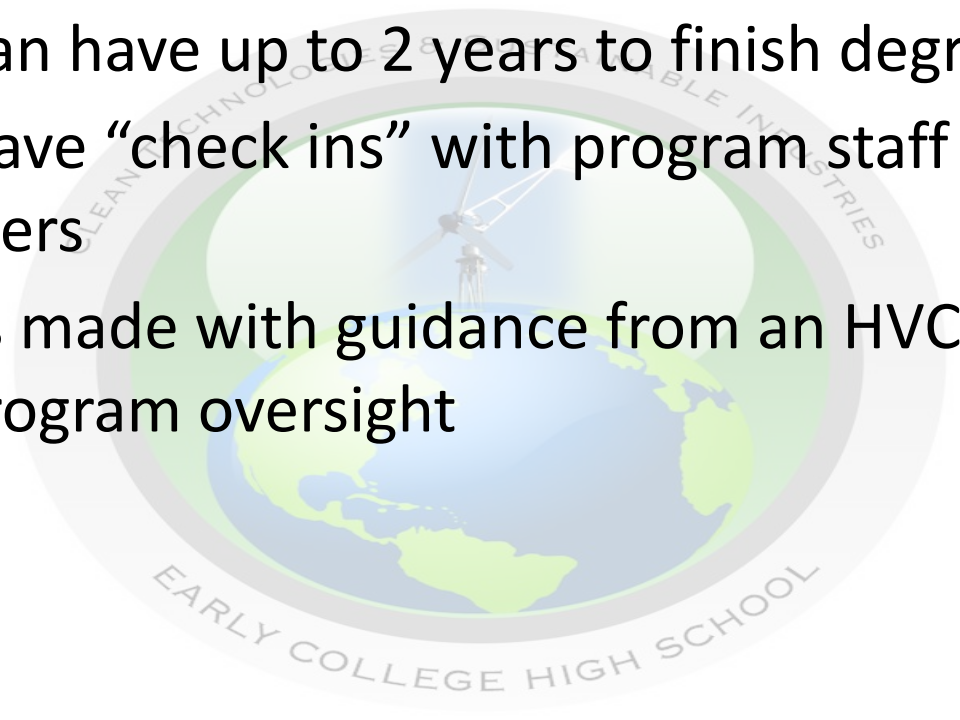


Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Year 5 & 6

- After senior year, can continue on at HVCC in the same pathway for no cost to families.
- Students can have up to 2 years to finish degree.
- Students have “check ins” with program staff throughout the semesters
- Schedule is made with guidance from an HVCC advisor, but with program oversight
- Included:
 - Tuition
 - Books
 - Parking



NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies





Questions



NEW YORK
STATE OF
OPPORTUNITY.

NYSERDA
Supported



Training and Education Center for
Semiconductor Manufacturing
and Alternative and Renewable Technologies



Educating Everyone Takes Everyone