

CTECS Enhances Manufacturing Education for Tomorrow's Workforce



As we celebrate Manufacturing Month this October, the Connecticut Technical Education and Career System (CTECS) is proud to showcase how our schools are preparing students for high-demand careers in advanced manufacturing.

Platt Technical High School, located in Milford, CT, is leading the way with its enhanced Precision Manufacturing and Engineering

Technology program, which will be highlighted during a dedication ceremony this month. Thanks to a \$500,000 grant from the Gene Haas Foundation, Platt Tech has purchased state-of-the-art equipment and developed an Advanced Digital Metrology Lab, training students in precision measurement technologies crucial for industries like aerospace and medical manufacturing. Industry 4.0 technologies are now integrated directly into the classroom, providing students with hands-on experience with the latest advancements.

Keeping education aligned with industry advancements is vital for supporting Connecticut's manufacturing workforce. As the sector evolves, it requires a steady supply of skilled, adaptable workers. Manufacturing programs across Connecticut's technical high schools equip students with cutting-edge tools and training to meet these demands.

CTECS graduates possess certifications and hands-on experience that align with the skills sought by Connecticut manufacturers. The curriculum is developed in close collaboration with industry partners to ensure it meets the latest manufacturing standards.

Case in point, CTECS is evolving its Electronics Technology and Mechatronics curricula to reflect modern industry needs. These former programs have recently been revamped into a Robotics and Automation program, aligning closely with Industry 4.0 standards. This program update is a clear demonstration of CTECS adapting to industry feedback.

We invite you to see how CTECS is shaping the future of manufacturing by visiting our schools or joining a program advisory committee. CTECS also offers work-based learning programs that allow employers to bring students into their operations through internships.

Contact CareerCenter@cttech.org to learn more.

Dr. Ellen Solek
Executive Director

CTECS Manufacturing Profile



5 MANUFACTURING PATHWAYS

- Aerospace Component Manufacturing
- Mechanical Design and Engineering
- Precision Machining Technology
- Robotics and Automation
- Welding and Metal Fabrication



~1,200 GRADE 10-12
STUDENTS ENROLLED



14 LOCATIONS



37 TOTAL PROGRAMS



via YouTube:
**A Look Inside the
Manufacturing Cluster
at Connecticut's
Technical High Schools**