



**Take Charge
of Your Life!
Make Your
Future
Happen...**

Be part of the

**Next Generation of
Manufacturing**

Explore high-paying careers in
clean, exciting, new manufacturing
technology companies in
Connecticut

Connecticut Manufacturing

It's Not What You Think!

High-tech manufacturing environments require a higher skill level to meet the demands of new technologies that produce such exciting products as:

- Lasers that can make titanium implants;
- Fuel cells that can give us alternative sources of energy;
- Nanotechnology so minute and precise that medical technicians

can take X-rays of the human body by inserting a tiny camera;

- A cleaner environment through green technology.

Manufacturing careers typically pay more than jobs in the retail and service industries.

Connecticut manufacturing workers are 13% more productive than the U.S. average.

Connecticut manufacturers employ nearly 200,000 people and annually contribute nearly \$30 billion of the state's gross state product.

Despite reports of manufacturing jobs going overseas, Connecticut manufacturers indicated in a recent CBIA survey* that they are having difficulty filling specific

positions, such as:

- **TOOL AND DIE MAKERS**
- **CNC PROGRAMMERS**
- **ENGINEERS**
- **CAD/CAM WORKERS**
- **PLANT MANAGERS**
- **WELDERS**
- **TECHNICIANS**

**2004 Survey of Current and Future Manufacturing Jobs in Connecticut – The Connecticut Business & Industry Association, January, 2005*



What you can do

to be part of the Next Generation of Manufacturers

Start by enrolling in CT College of Technology programs!

The **College of Technology** is a specialized curriculum that allows a student to complete an A.S. degree in technological studies or engineering science at any one of the state's twelve Community Colleges:

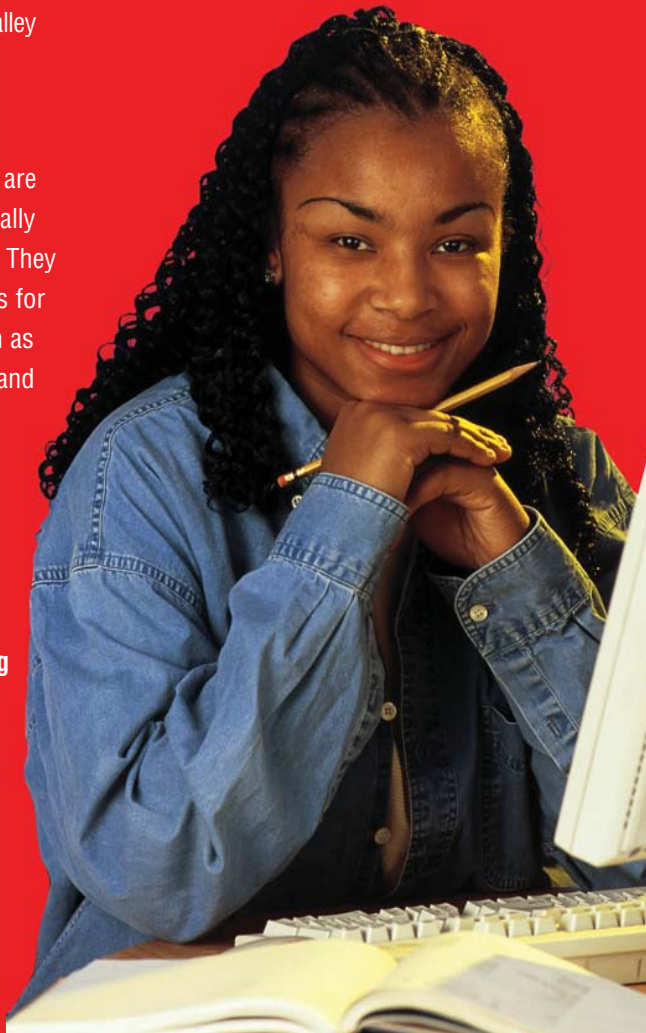
- Asnuntuck
- Naugatuck Valley
- Capital
- Northwestern CT
- Gateway
- Norwalk
- Housatonic
- Quinebaug Valley
- Manchester
- Three Rivers
- Middlesex
- Tunxis

Connecticut's community colleges are affordable, flexible and geographically convenient for students statewide. They offer programs to prepare students for careers in high growth fields, such as precision machining, fiber optics, and electrical utilities technologies. A.S. degrees options include:

- **Electrical Utility Technology**
- **Fiber Optics (Photonics)**
- **Integrator Technician A+**
- **Integrator Technician Networking**
- **Machine Technology**
- **Plastics**
- **Industrial Diagnostics**
- **Television Operations**
- **Wastewater**

Both programs also provide a seamless pathway for community college students to continue their program of studies as Juniors in Engineering programs at the University of Connecticut, Fairfield University, the University of Hartford, University of New Haven, or Charter Oak State College, or in Engineering Technology or Industrial Technology at Central Connecticut State University.

**For more information, visit the
College of Technology Web-site at:
www.commnet.edu.**



The Regional Center for Next Generation Manufacturing provides great resources for both educators and students interested in exploring new opportunities in today's technology companies. Funded by the National Science Foundation and directed by the Connecticut Community Colleges' College of Technology, the Center is offering:

- Industry-driven courses in next-generation manufacturing, including laser manufacturing, green engineering, nanotechnology, fuel cells, and biomedical applications;
- Online courses that include diverse methods of teaching;
- Career marketing materials that support the recruitment and retention of students into manufacturing careers;
- Courses that bridge two-year engineering technology programs with traditional four-year engineering programs;
- Longitudinal studies that identify best practices and assess students' performances in the workplace and employer satisfaction with graduates.
- Teacher internships in cutting-edge, next-generation manufacturing industries

Manufacturing is Connecticut at its best.

For generations, Connecticut-made products have protected the country and enhanced our lives and communities. Many of the things we'll need tomorrow — for our health, security and quality of life — are being developed today in Connecticut.

Connecticut manufacturers offer a world of diverse career opportunities that are some of the most challenging and rewarding today.

COLLEGE OF TECHNOLOGY Connecticut Community Colleges

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Regional Center for **NEXT GENERATION** Manufacturing

www.commnet.edu

PARTNERS

Connecticut Business & Industry Association
www.cbia.com

Connecticut Center for Advanced Technology
www.ccat.us

Connecticut Department of Economic and
Community Development
www.state.ct.us/ecd

Connecticut Office for Workforce
Competitiveness

Connecticut Women's Education & Legal Fund
www.cwealf.org

National Association of Manufacturers
www.nam.org

EDUCATION PARTNERS

Connecticut State Department of Education
Connecticut State Technical High Schools
Connecticut Department of Higher Education
Connecticut Community Colleges
Central Connecticut State University
Charter Oak College
Fairfield University
University of Connecticut
University of Hartford
University of New Haven
Connecticut Pre-Engineering program (CPEP)

