



Asnuntuck  
Community  
College



Presentation  
for  
Marketing  
Manufacturing  
in  
Connecticut  
2011-2013

# Manufacturing Technology and Connecticut's Economic Future

# History

Started 1998 – Machine  
Technology

1998 – 2011  
Programs

- Machine  
Technology
- Welding
- Electronics
- Electro-  
Mechanical  
Maintenance &  
Repair



# History (cont.)

## Services to:

Dislocated Workers

800

Incumbent Workers

4,800

College Connections

180

High School Students

Other Women & Men

625

Completion of Certificate Programs = 90%

Employment of Completers = 90%



# Future Certificate and Degree Options

Medical Device Manufacturing  
Alternative Energy Technologies

Course Implementation/  
Development

- Advanced Solidworks
- Capstone Projects
- Automation
- Supply Chain Mgmt
- Additive Manufacturing
- Advanced Welding
- Enhanced Internships



# Forecast for 2011-2013!!!



- ❑ 75 to 100 College Connections High School Students
- ❑ 60 to 80 Scholarships
- ❑ 300 Full-Time Enrollments with 40% or More under Age 30

# Asnuntuck Begins with a...

Commitment to Service

Asnuntuck is a community community college

- We act based on needs of employers and residents
- We involve significantly private sector advisory groups
- We reach into the employer community and provide upgrading and retraining annually to hundreds of incumbent workers , especially Pratt & Whitney and other aerospace-related manufacturers
- We are flexible and provide both a mix of credit and not for credit programming

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## Manufacturing Technology and Connecticut's Economic Future

# (cont'd)

We recognize the need to meet each student's needs

Examples:

- 30 hours scheduled weekly
- Active summer schedule
- 50 weeks of activity annually
- Hours: 8 a.m. to 6 p.m. daily
- High school College Connections students participate 5 days/  
8 hours weekly (dual credit)
- Internship opportunities
- Placement services
- Tutorial & counseling programs

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# **Manufacturing Technology and Connecticut's Economic Future**

# (cont'd)

- Two computer labs featuring Solidworks and MasterCAM software
- Continually updated machine, welding, and electronics labs
- Excellent staff with significant manufacturing experience

\* We continue to upgrade technology coursework and establish new certificate programs that provide real, tangible outcomes.

We are aggressive in securing the participation of the private sector, especially through advisory, scholarship, internship, and incumbent worker education.

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# **Manufacturing Technology and Connecticut's Economic Future**

(cont'd)

We market aggressively the College of Technology Pathway Program that provides students with the ability to progress from certificate to associate to baccalaureate degree in a seamless format.

We developed a scholarship program in order to market more successfully careers in manufacturing to talented young people. In the past 5 years, more than 125 young people have benefited from the private sector – sponsored scholarship program.

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# THE ULTIMATE MISSION and ASSURANCE OF SUCCESS:

**The Manufacturing Technology Center has a mission to educate CT's current and future manufacturing workforce and to assist technical schools and other community colleges to establish and upgrade programs related to the manufacturing sector. The full implementation of these goals will spur the growth of advanced manufacturing technology employment in CT.**



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# CT & Advanced Manufacturing... Going Forward

The signs are palpable...

- **New England Council's December 2009 report by Deloitte Consulting Group**

**New England can produce annually 8,500 new advanced manufacturing jobs – 30% of all advanced manufacturing employment in N.E. is located in CT – potential annually for 2,500 advanced manufacturing positions in our state.**

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## Cont'd

- **Defense spending and Pratt & Whitney contracts – aerospace employment is on the rise**
- **Medical device and instrument manufacturing has great potential for further growth**
- **Alternative energy without question will rear its manufacturing head at some point in the next 3 to 5 years – fuel cell, geothermal, solar, wind – all involve manufacturing, installation, maintenance & repair – more manufacturing-related employment**
- **European connection – more European-based manufacturers will look to the U.S. for expansion**

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# Manufacturing Technology and Connecticut's Economic Future

# Question???

- **Are we prepared/preparing to make the commitments to insure workforce availability for new careers and replacements for those thousands expected to leave the current workforce in the next 5 to 8 years.**
- **The future of manufacturing in CT lies in our collective ability to attract talented young people to the manufacturing workforce.**

**How? MORE...**

- **Emphasis on College Connections-type programs**

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# **Manufacturing Technology and Connecticut's Economic Future**

# MORE...

- **Private sector sponsored scholarships**
- **Private sector involvement and outcomes with state government, school systems ,and community colleges**
- **Community college participation in the education of students for advanced manufacturing careers**
- **Partnerships between school systems, the private sector, and the community colleges**

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# MORE...

- **A redesign of the voc tech schools to employ a 2 + 2 + 2 system**
- **Finally, - marketing, marketing, marketing to parents, educators, and young talented people that manufacturing requires employees with higher education credentials and represents the promise of rewarding and exciting careers**

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