Connecticut State Colleges & Universities

Advanced Manufacturing Technology Centers Update

Reporting Period: September 5, 2014 – June 1, 2015

Tracy Ariel
Director
CSCU Advanced Manufacturing
Mission

The continued mission of the Advanced Manufacturing Centers initiative is to offer a variety of credit and non-credit certificate courses in Advanced Manufacturing for incumbent workers, displaced workers, returning workers, current CT Community College students, adult education students, and technical/comprehensive high school students.

Resources

In 2011, the Connecticut Board of Regents for Higher Education (BOR), as the governing body of the CSCU System, received $17.8M in state bonds from the legislature and supported by Governor Dannel Malloy for the development of three additional Advanced Manufacturing Technical Centers at three Connecticut Community Colleges: Housatonic Community College in Bridgeport; Naugatuck Valley Community College in Waterbury; and Quinebaug Valley Community College in Danielson. The three new Advanced Manufacturing Centers were modeled after the Advanced Manufacturing Center located at Asnuntuck Community College in Enfield, Connecticut.

In October of 2014, the CSCU System was awarded a $15M grant from the USDOL Trade Adjustment Assistance Community College and Career Training (TAACCCT) grant program, the Connecticut Advanced Manufacturing Initiative (CAMI). CAMI provides a significant opportunity for Connecticut to maximize education programs in the advanced manufacturing field, providing more students with the skills needed to meet the challenges of 21st Century production, design, innovation and manufacturing. The project will build upon the success of the state’s nationally recognized Advanced Manufacturing Centers, expanding manufacturing education throughout the state.

Key CAMI deliverables include: adding third semester specialty certificates in areas such as additive manufacturing and metrology; purchasing equipment and renovating additional campuses to expand industry-relevant training; increasing instructional capacity at the colleges; expanding partnerships with the CT Technical High School System to maximize use of facilities and align curricula; expanding opportunities for internships and employment including Registered Apprenticeship programs; increasing participant retention and accelerate completion; aligning programs for matriculation into Associates and Bachelor’s degree programs; and expanding State career pathway systems in advanced manufacturing.

BOR Advanced Manufacturing Strategic Planning Committee

The Board of Regents for Higher Education Advanced Manufacturing Strategic Planning Committee has met for over six months to determine the mission, vision and assumptions underlying the BOR’s approach to its advanced manufacturing education offerings. This plan was developed with broad involvement and guidance from the BOR, related CSCU staff, business and industry partners and the Workforce Investment Boards. The Strategic Planning Committee consisted of fourteen members including Dr. Gregory Gray, President, Board of Regents; Dr. Anna Waseca, President, Middlesex Community College; Tracy Ariel, Director of Advanced Manufacturing, Board of Regents; and Frank Gulluni, Director, Asnuntuck Community College Advanced Manufacturing Center. Seven industry partners represented each region of the state and are members of regional industry associations including: Aerospace Components Manufacturer (ACM), Smaller Manufacturers Association (SMA), New Haven Manufacturers Association (NHMA), Eastern Advanced Manufacturers Alliance (EAMA), and Connecticut Tooling and Machining Association (CTMA). Additional members include Catherine Awaad, representing the Workforce Investment Boards (WIB); Judy Resnick, Connecticut Business and Industry Association (CBIA); and Elliot Ginsberg, Connecticut Center for Advanced Technology (CCAT).
Strategic Goals for Advanced Manufacturing at CSCU

It is the goal of the CSCU System to be the State of Connecticut’s leading provider of manufacturing workforce training. This will be accomplished through the continued development of education programs which enable students to obtain the skills to successfully enter the manufacturing workforce. The BOR will work to foster and maintain relationships with the manufacturing communities in order to respond to the current and future workforce skills needs for business and industry in Connecticut. Five strategic goals were developed by this committee, as follows: increase enrollment, marketing, search and utilization of available funding sources to sustain programming, recruitment of instruction staff, and strengthen inter-agency and partner relationships.

Statewide Advanced Manufacturing Advisory Committee (SAMAC)

Industry support was critical during the planning and implementation process and continues to be vitally important to the future success of all four advanced manufacturing centers. SAMAC was designed to assist the BOR in guiding the development of the Advanced Manufacturing Center programs. It is made up of more than 30 representatives including: representatives from manufacturing companies, academic deans, manufacturing industry associations, related state agencies, four advanced manufacturing center coordinators, two workforce investment board representatives, and other invited guests as deemed appropriate by the committee.

Statewide Advanced Manufacturing Advisory Committee Members
2014-2015

<table>
<thead>
<tr>
<th>Name</th>
<th>Position/Affiliation</th>
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<tbody>
<tr>
<td>Tracy Ariel, Co-Chair</td>
<td>Director, Advanced Manufacturing Centers, CSCU</td>
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<tr>
<td>Andrea Comer, Co-Chair</td>
<td>Executive Director, CBIA Education Foundation</td>
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<tr>
<td>Catherine Awwad</td>
<td>Executive Director, Northwest Regional Workforce Investment Board</td>
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<tr>
<td>John Beauregard</td>
<td>Executive Director, Eastern CT Workforce Investment Board</td>
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<tr>
<td>Dave Boiano</td>
<td>Director, Quality Assurance, Prospect Machine Products</td>
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<tr>
<td>Ray Coombs</td>
<td>President, West Minster Tool and Eastern Advanced Manufacturers Alliance (EAMA)</td>
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<tr>
<td>Donald Dastoli</td>
<td>Director, HR/Ethics &amp; Compliance Officer, Aerogear</td>
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<tr>
<td>Joseph Defeo</td>
<td>Director, Advanced Manufacturing Center, Naugatuck Valley Community College</td>
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<tr>
<td>Chris DiPentima</td>
<td>President, Pegasus Manufacturing</td>
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<tr>
<td>Edward Dombroski</td>
<td>Manufacturing Program Coordinator, Manchester Community College</td>
</tr>
<tr>
<td>Richard Dupont</td>
<td>President, RDA, and Interim Dir. Housatonic Advanced Manufacturing Center</td>
</tr>
<tr>
<td>Elliot Ginsberg</td>
<td>Project Director, CAMI, BOR/CSCU</td>
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<tr>
<td>Hubert Godin</td>
<td>Advanced Manufacturing Center Coordinator, Middlesex Community College</td>
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<tr>
<td>Michelle Hall</td>
<td>Project Director, CAMI, BOR/CSCU</td>
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<tr>
<td>Joe Haupt</td>
<td>Engineering Manager, EPG, Alinabal Inc.</td>
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<tr>
<td>Daniel Higgins Jr.</td>
<td>Production Manager, Fuel Cell America, Inc.</td>
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<tr>
<td>Paul Hoffman</td>
<td>President, Orange Research</td>
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<tr>
<td>John Kornegay</td>
<td>Aerospace Components Manufacturers Assoc. (ACM)</td>
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<tr>
<td>Keri LaMontagne</td>
<td>Regional Apprenticeship Representative, CT Dept. of Environmental Protection</td>
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<tr>
<td>Steve LaPointe</td>
<td>Director, Advanced Manufacturing Center, Quinebaug Valley Community College</td>
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<tr>
<td>Kenneth Lisk</td>
<td>President, Lacey Manufacturing Company</td>
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<tr>
<td>Nancy Martin</td>
<td>HR Rep., Sr./Electric Boat Corp.</td>
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<tr>
<td>Paul Martland</td>
<td>Dean of Administrative Services/Quinebaug Valley Community College</td>
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<tr>
<td>Taryn Mazejka</td>
<td>HR Manager, MB Aerospace</td>
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<tr>
<td>Steven Minkler</td>
<td>Dean of Academic Affairs/Chief Academic Officer</td>
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<tr>
<td>John Murphy</td>
<td>Education Consultant, CT Technical High Schools</td>
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<tr>
<td>Jeff Paul</td>
<td>President, Whitcraft</td>
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<tr>
<td>Tom Phillips</td>
<td>Executive Director, Capital Workforce Partners</td>
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<tr>
<td>Elizabeth Roop</td>
<td>Academic Dean, Housatonic Community College</td>
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<tr>
<td>Catherine Seaver</td>
<td>Interim Assoc. Dean of Student Affairs, Manchester Community College</td>
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<tr>
<td>Catherine Smith</td>
<td>Commissioner, CT Dept. of Economic &amp; Community Development</td>
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<tr>
<td>Pat Van Tassel</td>
<td>Schaeffler Training Specialist/Facilitator</td>
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<tr>
<td>Jim Troup</td>
<td>Provost &amp; Sr. Dean of Administration, Naugatuck Valley Community College</td>
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<tr>
<td>Robert Vaida</td>
<td>Representative, Asnuntuck Community College</td>
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<tr>
<td>Vinnie Valente</td>
<td>Program Manager, CT DOL, Office of Apprenticeship &amp; Training</td>
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<tr>
<td>Jodi Calvert</td>
<td>Director of Learning Initiatives, Three Rivers Community College</td>
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<tr>
<td>Kelli Vallieres</td>
<td>CEO, Sound Manufacturing</td>
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### 2014-2015 ADVANCED MANUFACTURING PROGRAM ENROLLMENT

**Housatonic Community College (HCC)**

<table>
<thead>
<tr>
<th># of students enrolled (daytime cohort)</th>
<th>42 (35 male, 7 female) 2 daytime cohorts 40 returned for second semester (33 males, 7 females)</th>
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</thead>
<tbody>
<tr>
<td># students previous cohort 2013-2014</td>
<td>26 Graduates, 25 Employed</td>
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<tr>
<td># students current cohort 2014-2015</td>
<td>37 Graduates, 37 employed</td>
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**Naugatuck Valley Community College (NVCC)**

<table>
<thead>
<tr>
<th># of students enrolled day cohort</th>
<th>34 (34 male, 0 females) full time students 5 part-time students 32 returned for second semester (32 males, 0 females)</th>
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<tbody>
<tr>
<td># of student enrolled evening cohort</td>
<td>24 evening students began January 2015 (21 males, 3 females)</td>
</tr>
<tr>
<td># students previous cohort 2013-2014</td>
<td>18 Graduates December 2013 evening cohort, 14 employed 33 Graduates Spring 2014, employed 31 17 entered 2nd semester in eve cohort, 11 currently in internships 16 Graduates December 2014 evening cohort, 11 employed</td>
</tr>
<tr>
<td># students current cohort 2014-2015</td>
<td>24 entered second semester eve cohort 17 began in part-time program at NVCC (Abbott Tech) program 28 Graduates spring 2015, 25 employed</td>
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</tbody>
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**Quinebaug Valley Community College (QVCC)**

<table>
<thead>
<tr>
<th># of students enrolled</th>
<th>30 students enrolled (29 males, 1 females) 29 returned for second semester (28 males, 1 female)</th>
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<tbody>
<tr>
<td># students previous cohort 2013-2014</td>
<td>44 Graduates, 39 employed</td>
</tr>
<tr>
<td># students from current cohort 2014-2015</td>
<td>20 Graduates 20, 20 employed</td>
</tr>
</tbody>
</table>

**Asnuntuck Community College (ACC)**

<table>
<thead>
<tr>
<th># of students enrolled</th>
<th>89 students Machine Technology first semester 39 students Machine Technology second semester 44 students Welding Technology I 10 students Welding Technology II 15 students Electro Mechanical I 3 students Electro Mechanical II 200 total students Fall 2014 86 new students enrolled Spring 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td># students previous cohort 2013-2014</td>
<td>109 Graduates 109, 99 employed</td>
</tr>
<tr>
<td># students current cohort 2014-2015</td>
<td>174 Graduates, 157 employed</td>
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</table>
Additional credit bearing advanced manufacturing programs are currently running at Manchester CC, Middlesex CC, and Northwestern CT CC. There are 64 additional students enrolled in these programs.

478 total students served, 7 CT Community Colleges

PROGRAM UPDATES

Educational Success Compact

(Bill #5434 – An act concerning a plan for career readiness and manufacturing apprenticeship preparation programs at the CT Technical High School System.)

The Board of Regents created the Educational Success Compact with the CT Technical High School System to support the creation of educational and career pathways for traditional high school students and the adult learners. Recognizing the need to 1) increase capacity of training space 2) increase the utilization of available machinery; and 3) machine shops that are not being used by the CT Technical High Schools after 3 pm, an agreement was established between the Systems to offer college-level manufacturing related courses and certificate programs at the CT Technical High School facilities. The following is a list of the partnerships that have begun to offer manufacturing training:

- Facility use at the CT Technical High Schools for CSCU Advanced Manufacturing programs:
  - H.H. Ellis Technical High and Quinebaug Valley Community College;
  - Windham Technical High School and Quinebaug Valley Community College;
  - Platt Technical High School and Housatonic Community College;
  - Henry Abbott Technical High School and Naugatuck Valley Community College;
  - W. F. Kaynor Technical High School and Naugatuck Valley Community College;
  - Howell Cheney Technical High School and Manchester Community College;
  - H. C. Wilcox Technical High School and Middlesex Community College; and,
  - Ella T. Grasso Technical High School and Three Rivers Community College.

Industry Recognized Credentials

National Institute of Metal Working Skills (NIMS) credentials.

NIMS was chosen for the CSCU System to enhance the current CTHSS manufacturing programs who have already been offering NIMS credentialing opportunities to the CT Technical High School students. This addition of NIMS credentials offers students the opportunity to earn stackable and portable credentials while furthering their education in the CSCU system.

- Two 5-day instructor workshops were completed during the summer 2014, at two separate locations, Quinebaug Valley CC and Housatonic CC, awarding 58 credentials to CSCU instructors.

- 332 NIMS credentials awarded to students 2014-2015 academic year at four community colleges: Quinebaug Valley, Naugatuck Valley, Manchester and Northwestern CT Community Colleges
  - CNC Milling Operator Exam Level I 72
  - CNC Turret Operator Exam Level I 66
  - Job Planning, Benchwork, & Layout I 73
  - Measurement, Materials, & Safety I 115
  - Drill Press I 2
  - Turning, programming, set and ops Exam Level I 4
Manufacturing Program Expansion

- Housatonic Community College Phase II proposal was accepted by industry partners during the summer 2014. Engineers began the project in June 2015 with an expected completion of fall 2016.

- Naugatuck Valley CC has completed the procurement stage of Phase II. New curriculum development is in process, expected completion fall 2015.

- Quinebaug Valley Community College’s newly constructed AMC project is on schedule. Ground breaking estimated for October 2015 with an expected opening of fall 2016.

- Asnuntuck Community College has three expansion projects:
  - Welding and Fabrication – Grand Opening Ceremony was held in October 2014;
  - Relocation of Metrology training area to old Welding area on the manufacturing floor; and,
  - Design work for 22 million dollar renovation to the AMC, estimated completion spring 2016.

- Through the CAMI grant funding, Manchester Community College and Middlesex Community College are slated to receive capital monies for equipment and construction to expand their current manufacturing programs.

- Three Rivers Community College with funding also provided by the CAMI grant will receive capital and construction dollars to create a sheet metal and fabrication program.

Partnerships

The Advanced Manufacturing Centers continue to foster relationships with industry, review outcomes of new academic programs, and predict long-term outcomes of training the under-employed and unemployed in higher quantity with the skills required by our partners.

Industry Trade Associations
Aerospace Components Manufacturers (ACM)
Connecticut Business and Industry Association (CBIA)
Connecticut Center for Advanced Technology (CCAT)
Eastern Advanced Manufacturing Alliance (EAMA)
New Haven Manufacturing Association (NHMA)
Northwestern Manufacturing Coalition (NWMC)
Smaller Manufacturers Association (SMA)

Workforce Development Partners
Capital Workforce Partners (Hartford)
Connecticut Department of Economic and Community Development
Connecticut Department of Labor
CT Employment and Training Commission (CETC)
Connecticut Women’s Education and Legal Fund
ConnStep
Eastern CT Regional Workforce Investment Board (Franklin)
Northwest Regional Workforce Investment Board, Inc. (Waterbury)
The Workplace, Inc. – Southwest Regional Workforce Investment Board (Bridgeport)
Workforce Alliance – South central Regional Workforce Investment Board (New Haven)
Workforce Solutions Collaborative of Metro Hartford
Industry Advisory Boards
The BOR industry partners play a vital role in the success of each of the Advanced Manufacturing Centers (AMC). Industry partners work with the Centers assisting with the development and direction of the regional needs of the employers so that the AMCs can produce viable employees to fill the employment gaps. These partners provide input on curriculum, guest lecture, plant tours, apprenticeship and internship opportunities.

Asnuntuck Community College Industry Partners

Acceleron Inc. Hamilton Sundstrand
AdChem Manufacturing Kaman Aerospace
Airgas East, Inc Joining Technologies
Arcor Lasor Leipold Inc.
ATI Ladish Machining Mitchell Machining
CBS Manufacturing Notch Mechanical Construction
Cianbro Corporation Pratt & Whitney (IAMAW)
Clear Edge Power Quality Welding, Inc.
CNC Engineering Senior Aerospace CT
Country Pure Foods Sterling Engineering
Delta Industries Technical Education Products
Flanagan Industries United Steel
Gerber Technology Westinghouse Electric

Housatonic Community College Industry Partners

Alloy Engineering NPI Medical
APS Technology OEM Control’s
Anabel Inc. Orange Research
Ashcroft Engineering PEP Lacey Manufacturing
Bead Electronics Radial Bearing
Bri Metal Works RBC Bearings
Bridgeport Fittings Schwerdtle Manufacturing
Covidien Sikorski
HOLO Krome Stratton Industries
Microboard Processing Tier One Machining
Moore Tool Vernier Metal

Naugatuck Valley Community College Industry Partners

Acme Monoco Corporation Noujaim Tool Company
Anomatic Corporation OKAY Industries
Arthur G. Russell Pegasus Mfg
Barden Corporation Platt Brothers, Corporation
Carpin Mfg. Prospect Machine Products, Inc.
Component Engineering Corporation Ramdy Corporation
Concentric Tool R and Machine
CON-Tec, Inc. RBC Corporation
Danver Corporation Seidel Corporation
EDAC/Apex Machine The Siemon Corporation
HDB Inc. The Marion Manufacturing Co.
HOLO Krome Tier One Machining
H&T Waterbury Traver IDC
Gar Kenyon Corporation T Truelove & Mclean
GSS Corporation Trumpf Corporation
Hylie Products Ward Leonard
Mirror Polishing Products Winsted Precession Ball
Building Capacity through Collaboration

A component of outreach and initiative awareness strategy for the AMCs includes attendance and participation by the Advanced Manufacturing director in various stakeholder meetings and events. Participation in these activities facilitates the awareness of the CT Community College Advanced Manufacturing Education programs in each region throughout the state as well as fosters the coherence of system initiatives. The list below identifies various meetings and event participation for the reporting period:

**Dream it Do It!** (a National initiative)
Governor Malloy proclaimed October as Manufacturing Month in the State of Connecticut since 2012. In 2014, Dream It Do It! facilitated through the Connecticut Center for Advanced Technology (CCAT), produced two Manufacturing Mania events in October focusing on introducing middle school students to manufacturing.

**Advanced Manufacturing Workgroup in Danbury**
The CT Department of Labor organized a workgroup to include manufacturing companies, local government officials, the Regional Workforce Investment Boards, the Advanced Manufacturing Center at Naugatuck Valley Community College, local government employment agencies and the local technical and comprehensive high schools. The mission of this workgroup is to bring interested parties together for the betterment of the local industry and workforce needs.

**Department of Labor Step Up Conferences.**
Sponsored by the CT Department of Labor and the CT Department of Economic Development. These conferences were geared toward area companies seeking to learn more about available tax and workforce initiatives. Conferences were held throughout the State of Connecticut. The Advanced Manufacturing Centers were provided the opportunity to present the benefits of the manufacturing programs to regional employers.
Apprenticeship
The CT Department of Labor apprenticeship model works in partnership with the instruction providers and industry to develop an apprentice training program. This collaboration will allow the advanced manufacturing students to retroactively receive certified related instruction hours toward their apprenticeship from the inception of the new Advanced Manufacturing programs in 2012. Six CT community colleges, including Asnuntuck CC, Housatonic CC, Quinebaug Valley CC, Manchester CC, Middlesex CC, and Naugatuck Valley CC, have been approved to provide related instruction for CNC machining through the CT DOL Office of Apprenticeship.

Manufacturing Innovation Fund
The $70,000,000 Connecticut Manufacturing Innovation Fund (Fund) supports the growth, innovation and progress of Connecticut’s advanced manufacturing sector. The director of advanced manufacturing has participated to provide support and information distribution to manufacturers currently collaborating with the manufacturing education programs across the state. The Fund is administered by the Department of Economic and Community Development (DECD) with the advice and counsel of an 11-member advisory board.

Connecticut Employment and Training Commission (CETC)
CETC provides workforce-related policy and planning guidance to the Governor and General Assembly and promotes coordination of the state’s workforce-related investments, strategies, and programs. Appointed by the Governor, its members represent Connecticut businesses, employers, key state agencies, regional/local entities, organized labor, community-based organizations and other stakeholders. The Office of Workforce Competitiveness (OWC) provides staff, leadership, support and technical assistance to CETC membership. The director of advanced manufacturing has participated on the CETC advanced manufacturing sector workgroup providing as requested updates to the continued development of the Advanced Manufacturing Centers.

What is Next for the CSCU Advanced Manufacturing Initiatives?

- Implementation of a Statewide Advanced Manufacturing marketing plan;
- Continuous expansion of the CT Technical High School system partnership;
- Increase collaboration with the CT DOL Office of Apprenticeship Training;
- Further alignment of programs for matriculation into Associates and Bachelor’s degree programs;
- Expansion of State career-pathway systems in Advanced Manufacturing;
- Increase nationally recognized credentialing opportunities for CSCU students;
- Strengthen the pool of available instructors in the manufacturing disciplines, and,
- Alignment with other state agencies and partners in expanding manufacturing education opportunities to strengthen the manufacturing pipeline.
The Connecticut State Colleges and Universities (CSCU) Advanced Manufacturing Centers Initiative was chosen as the Northeastern Economic Development Association's (NEDA) Program-of-the-Year and will be recognized at NEDA’s 2014 Annual conference in Worcester, Mass., in September.

The Advanced Manufacturing Centers Initiative was recognized for its program longevity since the creation of the first Advanced Manufacturing Center (AMC) at Asnuntuck Community College in Enfield in 1998, and for successfully duplicating the initiative at three community colleges. In 2012, three new Advanced Manufacturing Centers were established at Housatonic Community College in Bridgeport; Naugatuck Valley Community College in Waterbury; and Quinebaug Valley Community College in Danielson.

The CT Advanced Manufacturing Certificate program is a one-year, college-credit bearing certificate that awards students with an OSHA 10 certificate, 576 hours of related instruction toward an apprenticeship, and opportunities to earn nationally recognized industry credentials through the National Institute of Metalworking Skills (NIMS).

The AMC initiative was developed in collaboration with the Board of Regents for Higher Education (BOR) and statewide industry partners with the support of Governor Dannel P. Malloy and the General Assembly. The BOR — which governs Connecticut’s four universities, 12 community colleges and one online college — implemented manufacturing technology programs to help foster economic development in Connecticut. In the last decade, more than 1,000 students have graduated from the AMC program and have successfully obtained manufacturing jobs.

“The Advanced Manufacturing Centers Initiative is designed to respond to the needs of the state’s manufacturers and prepare students for the 21st century global workforce,” said Board of Regents President Gregory Gray. “With the ongoing need for entry-level advanced manufacturing employees and worker training statewide, these four centers provide an excellent opportunity for manufacturers to hire new employees.”

The four AMCs maintain relationships with industry leaders and with the Connecticut Technical High School System. Most recently, an Educational Success Compact has been developed between the Connecticut Technical High School System to support career pathways for graduates who wish to continue their education in the CSCU system.

Industry representatives have been instrumental in the success of the CT Advanced Manufacturing Centers Initiative through collaboration with the BOR to form the Statewide Advanced Manufacturing Advisory Committee (SAMAC) that includes 30 representatives from manufacturing companies, education and government; while the four Connecticut Community Colleges additionally formed regional Industry Advisory Committees with industry partners. These partners represent community support and stakeholder involvement to guide the development of new AMC programs.

The Northeastern Economic Development Association (NEDA) creates effective regional economic development programs and promotes regional cooperation and learning through professional networking.
After graduating high school, Vince spent a couple of years pursuing a degree in Computer Engineering at CCSU. Deciding that he wanted to find *honest work* which allowed him to make a living using both his head and hands, Vince enrolled in the AMC program. Commenting on the quality of education he received, Vince states; “*These are some of the most dedicated instructors and advisors that I have ever seen throughout my experiences in high school and college. They will work as hard as they need to in order to help each and every student achieve their potential in this program.*”

When speaking about outcomes from his training, Vince further acknowledges “*The two semesters I spent in the AMP were the most rewarding eight months of my life in terms of beginning to develop a skill, land an internship that immediately led into full-time work--and earn over 30 college credits.*” His employers agree that, “*In the several months Vince has worked at Bead Industries, he has displayed excellent work discipline, exceeding our expectations in the areas of attendance, punctuality and cooperation*” noting “as Vince matures with Bead, his productivity continues to build and benefit himself and the company.”

When asked if he would recommend the AMC to others Vince attests; “*Considering how effective this program was for me, I would definitely recommend it! Everything is practical; the schedule is designed to emulate a real work day and the teachers do everything they can to prepare students to a work at a real manufacturing company.*”

The staff of HCC’s Advanced Manufacturing Center is proud of Vince’s accomplishment and has great confidence for his continued future success in the industry.

August 2015
Board of Regents Goals

- A Successful First Year
  Increase the number of students who successfully complete a first year of college.

- Student Success
  Graduate more students with the knowledge and skills to achieve their life and career goal.

- Affordability and Sustainability
  Maximize access to higher education by making attendance affordable and our institutions financially sustainable.

- Innovation and Economic Growth
  Create educational environments that cultivate innovation and prepare students for successful careers in a fast changing world.

- Equity
  Eliminate achievement disparities among different ethnic/racial, economic, and gender groups.

For more information, please contact:
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June 2015