#### College of Technology - Site Coordinator's Meeting



Date: Friday, January 25, 2019 Time: 9:30AM Hosted by: University of Connecticut 2110 Hillside Rd., Storrs, CT 06269 Building: Student Union, Room 304



#### CT State Colleges & Universities

Karen Wosczyna-Birch, Executive Director, College of Technology – Regional Center for Next Generation Manufacturing Wendy Robicheau, Project Manager, College of Technology – Regional Center for Next Generation Manufacturing Lesley Mara, Director of Director of Workforce Development, Strategic Partnerships, and Sponsored Programs, CSCU System Office

Mary Bidwell, Dean of Manufacturing, Asnuntuck & Tunxis CCs Susan Spencer, Program Coordinator – COT programs, Gateway CC Eric Flynn, Department Chair – Engineering & Applied Technologies, Gateway CC Mehrdad Faezi, Professor/Program Coordinator, Manchester CC Peter Angelastro, Associate Professor, Naugatuck Valley CC Mobin Rastgar Agah, Program Coordinator, Norwalk CC Mark Vesligaj, Program Coordinator – COT Programs, Three Rivers CC Lin Lin, Program Coordinator, Middlesex CC Michael Gentry, Program Coordinator, Three Rivers CC Steve LaPointe, Director, Advanced Manufacturing Technology Center, Quinebaug Valley CC Jodi Clark, Assistant Director, Advanced Manufacturing Technology Center, Quinebaug Valley CC Greg Szepanski, Program Coordinator, Tunxis Community College Matthew Enjalran, Chair & Professor, Physics, Southern CT State University

#### **Other College & Universities**

Joyce Hu, Department Chair, Mechanical Engineering, University of Bridgeport David Giblin, Assistant Professor, Mechanical Engineering, University of Connecticut Michael Accorsi, Senior Associate Dean, School of Engineering, University of Connecticut Aida Ghiaei, Director of Graduate Outreach, University of Connecticut Whitney Losapio, Director of Advising, School of Engineering, University of Connecticut Mariel Zoni, Associate Director of Advising, School of Engineering, University of Connecticut Dan Burkey, Associate Dean, School of Engineering, University of Connecticut Brian Schwarz, Director of Experiential Engineering Education Initiatives, University of Connecticut Shoshan Armington, Academic Advisor, University of Connecticut Ashley Rose McLaury, Academic Advisor, University of Connecticut Dana Ziter, Academic Advisor, University of Connecticut Nick Lownes, Associate Professor & Associate Head, Civil & Environmental Engineering, University of Connecticut Ana O'Donoghue, Transfer Admissions & Transfer Credit Equivalencies, University of Connecticut Niloy Dutta, Professor & Associate Department Head, Physics, University of Connecticut Jason Lee, Assistant Professor-in-Residence, Mechanical Engineering, University of Connecticut Kazem Kazerounian, Professor & Dean, School of Engineering, University of Connecticut Jiong Tang. Professor and Director of Graduate Studies, School of Engineering, University of Connecticut Seok-Woo Lee, Assistant Professor, Materials Science & Engineering, University of Connecticut Barry Wells, Department Head & Professor, Physics, University of Connecticut Leslev Frame, Assistant Professor, Materials Science & Engineering, University of Connecticut Dave Kaputa, Department Chair & Professor, Biomedical Engineering, University of Connecticut

#### MINUTES

### Welcome Remarks & UConn School of Engineering Updates – Dr. Dan Burkey, Associate Dean, UConn School of Engineering

- The UConn is in the middle of a presidential search. There is also a new Provost at UConn, Dr. Craig Kennedy, who is being informed of all of the School of Engineering initiatives.
- There is a lot of work being done at the regional campuses. The Stamford campus just became residential and added a Computer Science program, which is the first four-year program on a residential campus. The Hartford campus

moved to the old Times building. Engineering has a presence at all of the regional campuses with the largest presence at Avery Point. There is also distance education in Engineering.

- The Innovation Partnership Building officially opened in September. This building is for partnerships between UConn and Connecticut industry.
- The Engineering Science Building recently opened. This building is multi-disciplinary and was designed with the purpose of collaboration.
- There are new STEM opportunities including a partnership with Rhode Island for Naval research.
- A new freshman design lab will be opening next week.
- There have been changes in the leadership of the School of Engineering.
- UConn's Research Experience for Undergraduates (REU) is in its third year. The College of Technology is a recruitment partner and had two community college participants last year. This REU has an entrepreneurial focus. Applications are now open for this year at e-reu.engr.uconn.edu.

UConn School of Engineering Transfer Advising for Community College Students & Discussion/Questions on UConn School of Engineering Curriculum and Admissions – Whitney Losapio, Director of Advising & Mariel Zoni, Associate Director of Advising, UConn Engineering

- It is important to encourage students to keep copies of their course syllabi since this will help with reviewing their courses equivalences.
- There is a new Transfer Connections website.
- Students are usually most confused about guaranteed admission. The guaranteed admission is only to the School of Engineering, not the specific engineering program. Students must also meet the program requirements to get into their preferred program. Currently, a 3.2 GPA is needed for Computer Science, Computer Engineering, Computer Science & Engineering, Mechanical Engineering, and Biomedical Engineering. Students who do not meet the GPA requirement for these programs will be placed in Undecided Engineering. There is an internal process for students in the undecided major and they will be evaluated after a semester of coursework.
- CSE901000 is approved for CSE1010 (programming).
- The College of Technology Engineering Science curriculum fits into any of the three computer programs and there should be an individual conversations with the students regarding which program best fits their goals. Computer Science is mostly programming, Computer Science and Engineering is mostly programming and some hardware, and Computer Engineering is mostly hardware.
- Students can now have coursework evaluated prior to matriculation.
- Admissions is still working on how to identify COT students on the application. Forward applicant names to Whitney and Mariel and they can keep a list.
- Cumulative GPA requirements are the same for everyone. Students also need a calculus course and a lab course with a B-.

### Regional Center for Next Generation Manufacturing Updates – Dr. Karen Wosczyna-Birch, Executive Director, College of Technology (COT), Regional Center for Next Generation Manufacturing (RCNGM)

• The application is open for students for the summer bootcamps in France that are sponsored and organized by the French Embassy. Each bootcamp is in a different area of France and has a different focus. Our community colleges have had students participate in the n+l engineering and environmental bootcamp the past two years. Students applying to bootcamps are also encouraged to apply for the Gilman Scholarship to fund the portion of the tuition and the travel that they are responsible for. There is another French grant called ERASMUS that we are applying for in partnership with a French university that would bring in more funding to expand our partnership initiatives with France. Lesley Mara from the System Office has been very helpful in helping to put together the partnerships with the French. Karen Wosczyna-Birch will be presenting at the Community Colleges for International Development (CCID) Conference with Amely Cross, CT CLICKs faculty from Asnuntuck Community College. They will also have further meetings on our French partnerships. We would like to apply for the PICSA grant again and are looking to have Naugatuck Valley Community College submit it because institutions cannot submit twice.

- If anyone has any ideas for projects and initiatives, bring let Karen Wosczyna-Birch now and we can look for funding opportunities to support them.
- A proposal is being submitted to turn the Regional Center for Next Generation Manufacturing into a resource center under the National Science Foundation's Advanced Technological Education (NSF ATE) Program since they no longer fund regional centers.
- There is also an NSF ATE project grant that is focused on professional development and the manufacturing instructor pipeline. This will include workshops for instructors who are from industry and do not have experience teaching in a classroom. Michelle Hall, former DOL TAACCT grant director, had done a survey in partnership with Borrow My Glasses to gauge interest in retired manufacturing employees becoming instructors in higher education. We are now working with AARP and other institutions to develop events to let the public know about the need for manufacturing instructors. Karen Wosczyna-Birch was also interviewed for the AARP bulletin on the need for instructors and our upcoming event at Tunxis Community on June 13<sup>th</sup>.
- The Epsilon Pi Tau Induction Ceremony on Friday May 3 at Manchester Community College. We will be sending out the application and details. We will also need faculty and honorary nominees.
- Hartford Public High Schools Academy of Engineering & Green Technology would like to have an articulation agreement with the community colleges and Central CT State University for their engineering and technology program. This discussion is just beginning and faculty will be consulted to review course equivalencies. We are also revisiting the articulation agreement with the Technical High Schools.
- Lesley Mara also suggested looking into more agreements with the prep high school system.

#### **Program Discussions and Vote**

### Quinebaug Valley CC – Basic Manufacturing: Machine Technology Level I Certificate Discussion/Vote – Jodi Clark, Assistant Director, Advanced Manufacturing Program

- The CT Early College Opportunity (ECO) program offers high school students the opportunity to earn a high school diploma and an A.S. degree with industry experience.
- This certificate is in response to the low funding for the program. It gives the student college credit and is funded through the College Connections Program (CCP) under Perkins. Lesley Mara from the CSCU System Office noted that the Academic Council thought this was a good solution to the lack of funding and also liked the stackable credential model. Karen Wosczyna-Birch suggested adding the College of Technology by name when talking about credit transfer. Motion to approve the certificate by: Mobin Rastgar Agah from Norwalk Community College; Motion seconded by: Dan Burkey of UConn. The motion was unanimously approved. The certificate, as presented, was approved.

#### Naugatuck Valley CC – Principles of Manufacturing Certificate Discussion – Below Threshold

• This College Connections Program certificate will allow students to go on after high school. It also provides classes that have been removed from high school curriculum.

#### Connecticut Apprenticeship Program for Robotics and Automation (CAPRA) Updates – Senior Associate Dean Michael Accorsi, UConn Engineering; Assistant Professor in Residence David Giblin, UConn Engineering; and Executive Director Karen Wosczyna-Birch, COT-RCNGM

- 4-5 community colleges will be receiving ABB robotic arms later this semester.
- Other funding can be explored to provide robotic arms for more colleges.
- As part of the faculty training, there will also be an optional safety course online.
- The required training is 2 weeks. One week is hands-on with the robots and one week is virtual using RobotStudio.
- UConn will be working on recruitment flyers and brochures that can be distributed for recruitment.
- There have been two workgroups with small and medium companies to decide curriculum. Engagement with manufacturers will be continuous.

- The current plan is to offer the robotics course during the summer while apprentices are also doing on-the-job training. There are minimal pre-requisites for the summer robotics course. The CAPRA team is currently looking for models with on-the-job training and how to relate it to coursework.
- CAPRA will be looking for approximately 5 apprentices per community college each time a course is offered.
- He team will review the budget for how many instructors are trained at each community college.
- This is a pilot for the program and further funding opportunities will be researched.

#### Tour of the new Engineering and Science Building (ESB) – Senior Associate Dean Mike Accorsi

#### Return to Student Union 304 for Lunch & Networking w/ UConn faculty and Engineering academic advisor

#### Upcoming COT Meetings

February 22, 2019 – University of Hartford, West Hartford
March 8, 2019 – Central CT State University, New Britain
April 12, 2019 - University of Bridgeport, Bridgeport
May 17, 2019 – Northwestern CT Community College, Winsted
Important Dates
February 1 – French Embassy Bootcamp Application Deadline (community colleges)
March 5 – Gilman Scholarship Application Deadline
May 3 – Epsilon Pi Tau Induction Ceremony – Manchester CC
May 14-16 – EASTEC – West Springfield, MA

# UCONN ENGINEERING: TRANSFER STUDENTS

## The Student Perspective



- General Transition Concerns
  - Large campus/ large classes
  - New network of friends
  - Finding resources
  - Not knowing "the process" to course approvals and course enrollment
- Admission into desired program
  - Confusion about criteria and articulation agreements
  - Locked out of coursework they were anticipating to take next
- Coursework evaluations
  - Timeline of reviews impacts registration
  - Minimum grade requirements
  - "Go around in circles"- Admissions review vs. department
- Another number in the crowd
  - Referred to many different offices as opposed to one central location/person they may be used to supporting them
  - No over-arching network for them

## The Advisor Perspective



- General Transition Resources
  - Orientation with a professional advisor
  - <u>Transfer Admission Equivalencies</u> website and department contacts
  - Transition Seminar Course (1 credit)
  - Tutoring Centers
  - \*\*NEW \*\* Transfer Connections website
- Course Enrollment and Evaluation
  - Keep copies of all syllabi!
  - **\*\*NEW \*\*** Can have coursework evaluated prior to matriculation
  - Further evaluation should be done prior to Orientation, via assistance of professional advisor
- Admission challenges
  - Space limited programs
  - Articulation agreements
  - \*\* Does not guarantee admission into major of choosing

## Admission Requirements and Space Limited Programs

- Space limited programs include (3.2 cGPA required):
  - All computing majors (Computer Science, Computer Science & Engineering, Computer Engineering)
  - Mechanical Engineering
  - Biomedical Engineering
- All other Engineering majors 3.0 cGPA required
- If a student has between a 3.0 and 3.2 and requests admission to a space limited major, they will be accepted to Undecided Engineering and required to apply into the major of their choice as an internal applicant
- Info for internal applicants: <u>http://undergrad.engr.uconn.edu/prospective-students/seeking-admission-to-engineering/</u>

### **Engineering Curricula**

- All curriculums are accessible on <u>UG Engineering Website</u>
- CSE 91000 approved for CSE 1010 (programming)
- Review Transfer Equivalency page on Admissions' website to ensure commonly taken courses are approved as direct equivalencies.
- Professional advising staff available for questions! Must have evaluation done by admissions first, per Orientation Services.