

Electronic Engineering Technology
Computer Engineering Technology

Industrial Advisory Board
Meeting Minutes
May 13, 2021

Opening

The combined in-person and virtual zoom meeting of the EET/CET Advisory Board (IAB) was called to order on May 9, 2022 at 6:00 PM by Susan Hughes.

Attendees

Betsy Gamrat	Nashua Community College	bgamrat@ccsnh.edu
Diane Stephens	ESSCO Calibration Laboratory	dstephens@esscolab.com
Bob Bragdon	Nashua Community College	rbragdon@ccsnh.edu
Susan Hughes	Nashua Community College	shughes@ccsnh.edu
Austin Hewin	Nashua Community College	ahewin@ccsnh.edu
Ali Hammoodi	Adjunct Faculty, NCC	ahammoodi@ccsnh.edu
Jim Noon	Analog Devices, Manchester	jnoon@ccsnh.edu
Barry Garside	Nashua Community College	bgarside@ccsnh.edu
Diane Fallier	Nashua Community College	dfallier@ccsnh.edu
Ken Gitlitz	NHTI	kgitlitz@ccsnh.edu
Butch Locke	BAE	birtley.locke@baesystems.edu

Absent

Don Marcotte	Retired NCC EET Faculty	dmarcotte@ccsnh.edu
Vance Poteat	Retired NCC EET Faculty	vpoteat@ccsnh.edu
Tim Marcoux (Raytheon – N. Andover), Eugene Chou (BAE Systems – Spit Brook), Tom Johnson (BAE Systems – Merrimack) Justin Byrd (BAE Systems – Merrimack) Bob Minich (BAE Systems – Hudson) Chris LeBlanc (UNH-M) Phil St Germaine	ARC Technologies, Nashua	Philip.stgermaine@arcserv.com

Meeting Minutes

1. Introductions
2. Program Status
3. STEM Wing Renovation

-
4. Enrollment Trends
 5. ABET Accreditation
 6. EET Curriculum
 7. CET Curriculum
 8. Questions

See the accompanying PowerPoint slides with detailed information for each section.

1. Introductions

The meeting started with the introduction of the two new full-time faculty members, Susan Hughes and Austin Hewin.

2. Program Status (slide 3)

Susan explained that all lectures and labs are currently being held in person. The lab has been relocated to Room 170 to support the STEM wing renovation.

3. Stem Wing Renovation (slide 4)

4. Student Surveys – (slides 5-10)

Susan talked about enrollment trends for both EET and CET programs.

- Bob asked to add MET to the chart for comparison.
- Ali stated that many companies are less willing to pay for education than in previous years.
- Ali pointed out that after high school, there are now more opportunities for making money without a degree (online media).
- Jim stated that we need to be advertising that community college is cheaper than a 4-year college.
- Diane F suggested that at open houses/college fairs we should be showing the cost differential.
- Betsy suggested that NCC should be positioning itself as a community resource to increase enrollment.

5. ABET Accreditation (slides 11-14)

Susan discussed the upcoming ABET accreditation for the EET program.

6. EET Curriculum (slides 15-17)

Susan described the program status for EET.

- Butch stressed the importance of the link between the Microelectronics Boot Camp and the EET program via 3-credits as a major course elective.

Susan asked the group what skills do employers require in an ASEET graduate?

- Butch and Jim both stated that basic soldering (surface mount) was a plus but could be taught by the employer. This is generally taught in Capstone but was not taught this year because of the move to the temporary lab space.
- Jim stated that graduates should have strong analytic skills. At Analog Devices, the interview process is a 1-day paper/pencil circuit analysis test to determine skill set.

Susan asked the group whether we should add a Fall Capstone prep course.

- Jim asked what was goal of the Capstone? He stated that it's the process that matters, how to overcome issues when encountered.
- Ali stated that what matters is how the students handle problems, workflow, communication.
- Bob asked how many credits transfer to UNH-M for both NHTI EET and NCC EET.
 - ANSWER: UNH-M accepts ELET305C (Senior Project Prep) and ELET306C (Senior Project) as major course electives. UNH-M accepts ELET274N (EET Capstone) as a major course elective.
- Butch attended both NHTI and NCC EET Capstone presentations and noted that there was a higher level of complexity in the NHTI projects presumably due to their Fall senior project prep course.

7. CET Curriculum (slides 18-20)

Susan described the program status for CET.

Susan asked the group what skills do employers require in an ASCET graduate?

- Diane S stated that ESSCO Calibration hires both EET and CET for the same positions.
- Jim and Ali stated that CET is specialized, EET more general.

Susan asked the group if we should replace CSCN116N (Networking Basics) with ELET221N (Advanced Digital Circuits).

- Diane F, PC for Computer Networking, agreed.
- General consensus was positive, but more investigation needed.

-
- Ken suggested that we incorporate communications protocols somewhere in the CET curriculum.
 - Ken suggested that we should replace Computer Architecture with Data Structures.

8. Questions

There were no additional questions.

Adjournment

Susan thanked everyone for coming and adjourned the meeting around 7:30 PM.

Thank you,

Susan Hughes
Austin Hewin