

## **ECE Committee – Minutes**

**March 9, 2023**

**12:30 – 1:30 p.m.**

**CP 303 / Zoom**

### **Attendance**

**Voting Faculty:** Orlando Baiocchi, Vahid Dargahi, Debasis Dawn, Mohammed Jasim, Max Laddomada, Thillainathan Logenthiran, Mike McCourt, Jenny Sheng\*, Nafiul Siddique, Matt Tolentino

***\*=not present for first vote***

**Non-Voting Faculty and Staff:** Raj Katti, Chris Barrett, Bob Landowski, Don McLane, Beth Jeffrey, Rachel Crook

### **Items**

#### **1) Approve the minutes of our ECE Curriculum meeting held on February 9, 2023**

**Moved: D. Dawn**

**Seconded: T. Logenthiran**

***Eligible to vote: 10 (1 voting faculty member absent for this vote)***

**9 in favor, 0 against, 0 abstain**

#### **2) Organize an event for pre-majors already enrolled at UWT**

The Chair was given contact information for 103 freshman/sophomore students who are interested in ECE (via the freshman direct admission program), and would like to plan an event for the first week of spring quarter (possibly a Friday afternoon) for these prospective students. This would be an opportunity for students to get to know our faculty and their research interests, as well as learn about the support offered for students within SET (student groups like IEEE, job search support, increase of job opportunities for ECE majors, etc.). The Chair would like to take advantage of these students' potential interest in ECE, and this event could be an opportunity to encourage them to choose ECE as their major.

There are currently 20 students selected for ECE in the freshman direct admission program, depending on how many accept their offer. Since these students will be advised by SET advisors, which may also help with retention.

**3) New ECE admitted students visit our labs on Saturday, April 1<sup>st</sup> and April 22<sup>nd</sup>; ECE direct admits will be encouraged to come on April 22<sup>nd</sup> (how many ECE direct admitted students are we expecting?)**

Lab tours will take place on these 2 dates from 10:30 – 11:30 a.m. Our faculty will set up a presentation in one of our labs, which will include a demo with the power benches and a presentation from a MSECE student. The Chair encouraged the committee to start thinking about what they'd like to share with these students during their visit.

**4) Approve new cross-listed course on Advanced Computer Architecture**

This proposed course (TCES 410) will be offered simultaneous with the graduate level course (TECE 510 Adv Computer Architecture) – this is the same class, but adding an option for undergraduate ECE students (seniors) to enroll as an elective. This is something that is often done in other universities, where one course will be cross listed for both undergrad/grad students to enroll (if they satisfy the prerequisite requirements). The committee looked over the prerequisite requirements for this course, and decided to change the GPA requirement from 3.5 to 3.0 in TCES 372 Machine Organization and Architecture, TCSS 372 Computer Architecture, and TEE 372 Computer Architecture for EE.

**Motion: To approve TCES 410 as a new cross-listed course on Advanced Computer Architecture**

**Moved: J. Sheng**

**Seconded: N. Siddique**

***Eligible to vote: 10***

**10 in favor, 0 against, 0 abstain**

**5) Discuss and approve new prerequisites to be admitted to Computer Engineering**

In our last meeting, we updated prereqs for individual courses, with the goal of making getting admitted into ECE a little less difficult for students. For CENGR, this included removing linear algebra as a requirement to be admitted, as well as Physics II, and TCES 215 Electrical Circuits. The advisor mentioned that this may create more work for the advising team, since these students have to pass

these prereqs to enter any course in the major anyway. The Chair added that they would rather have students catch up on these prereqs while being on campus and admitted into the major, instead of only receiving a rejection.

This topic will be discussed further at our next meeting.

**6) Discuss and approve new prerequisites to be admitted to Electrical Engineering**

This topic will be discussed further at our next meeting.

**7) Internship requirements: final report and end-of-quarter colloquium presentations**

If faculty are mentoring students who are participating in an internship, their students are required to submit a final report form. This form includes an abstract, intro, previous work, accomplishments, future potential, realistic constraints, address engineering standards, specifications, testing and performance measures, etc. Faculty and the students they mentor should be familiar with the rubric. Participation in the quarterly colloquiums is optional, and is up to the faculty to decide.

**8) Updates on Minor in Construction Management for our EE students**

This topic will be discussed at our next meeting.

**9) Updates on Double major with Computer Science for our Computer Engineering students**

This topic will be discussed at our next meeting.

**10) Discussion on TCES 390 Seminar to prep our ECE undergraduate students on FE/PE exam**

This topic will be discussed at our next meeting.

**11) Updates from our ECE advisor (Beth)**

This topic will be discussed at our next meeting.

**12) Updates from our faculty council representatives (Orlando and Mike)**

This topic will be discussed at our next meeting.

**13) Updates from our JEDI representatives (Jenny and Mohammed)**

This topic will be discussed at our next meeting.

**14) Updates from the Direct Admission Committee representative (Logan)**

**15) Updates from our representative in the SET Research Showcase committee (Debasis)**

This topic will be discussed at our next meeting.

**16) Updates from our representative in the SET ABET committee (Mohammed)**

This topic will be discussed at our next meeting.