CES/EE Curriculum Committee - AGENDA

November 18, 2021

The meeting is in person in CP 303

Zoom link for the ones who cannot attend in person: https://washington.zoom.us/j/97329044422

In Attendance:

Faculty:

Staff:

Items

1) Approve the minutes of our last meeting held on October 15, 2021.

2) Discuss/Vote on change the CES degree to a named degree

3) ECE Graduate committee meetings

   This committee will meet on these dates in CP303 and on Zoom:

   - **December 16, 2021**
   - **January 6, 2022**
   - **February 3, 2022**
   - **March 3, 2022**
   - **April 7, 2022**
   - **May 5, 2022**

   The Zoom link for these meetings is: **https://washington.zoom.us/meeting/97245494483**.

4) Direct Admission (need one ECE faculty volunteer):

   work on some of the preliminary planning for adding at least a few direct admission pathways in SET. In general this will probably help with recruiting strong students to the programs, and it is considered a best practice for DEI work.

   Ideally I would like to have one faculty member from each unit help to form a core planning group. If you have someone who often teaches courses in the first/second year level that might be helpful. We will start meeting in January, and plan to ask all of SET for additional feedback as we go. This group will make recommendations for next steps, but each program will of course determine how they wish to proceed.

5) Discuss and approve PEO's for EE and CE programs:

The ECE Advisory Board met in May 21st, 2021 and proposed the following changes

Computer Engineering

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

These describe <u>what graduates are expected to attain within few years after graduation</u>.

Educational Objectives of the Computer Engineering Program

Within three to five years of graduation from the CES program, it is expected that many graduates will have:

- Developed a product or process by applying their knowledge of mathematics, computing, systems and development tools,
- ~~Participated effectively~~ Applied the principles of mutual respect, safety, quality, integrity and inclusion as a member of a multi-disciplinary development team and undertaken a leadership role when appropriate,
- Taken graduate courses or continuing education classes to improve their skills and abilities,
- Made positive contributions to their community and society by applying skills and abilities learned during their undergraduate program in computer engineering and systems,
- Made decisions related to their work that demonstrate an understanding of the importance of being an ethical engineering professional,
- Applied their technical communication skills to effectively promote their ideas, goals, or products.

Since the objectives are fairly broad, it is not expected that every graduate will achieve every objective.

Electrical Engineering

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

These describe what graduates are expected to attain within few years after graduation.

Educational Objectives of the Electrical Engineering Program

Within three to five years of graduation from the EE program, it is expected that many graduates will have:

- Developed a complex product or process by applying their knowledge of engineering principles, science, mathematics, design and ~~implementation~~ product life-cycle management.
- ~~Participated effectively~~ As a member of a multi-disciplinary team effectively apply the principles of mutual respect, safety, quality, integrity and inclusion.
- Undertaken a leadership role applying technical communication skills to effectively promote their ideas, goals, or products.
- Made decisions related to their work that demonstrate an understanding of the importance of being an ethical engineering professional.
- Improved their skills and abilities by taking graduate courses, professional development training, or voluntary experiential learning opportunities.
- Made positive contributions to their community and society by applying skills and abilities learned during their undergraduate program in electrical engineering.

Since the objectives are fairly broad, it is not expected that every graduate will achieve every objective.

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6) Updates from the advisors (Beth, David, Kira).

7) Updates from the faculty council (Debasis, Mike).

8) Old business

9) New business