

ECE Curriculum Committee Meeting

Tuesday, May 13th, 2025

Attending: Arabshahi, Bushnell, Chen, Dela Cruz, Fazel, Hauck, Huberman, Kaushansky, Lim, Reyes, Rudell, Shepard, Swanson, Van Fossen

Absent: Majumdar, Kirschen, Moritz

Agenda:

1. Continue review of Integrated Systems course revisions

Continue Review of Integrated Systems Course Revisions

Following up on the previous meeting's request for master course descriptions (MCD), Professor Rudell provided MCDs for EE 332: Analog Devices and Circuits and EE 435: Linear Integrated Circuits (previously numbered 473) which are existing courses that will be revised and the newly proposed EE 436: Integrated Systems Capstone as parts of the Integrated Systems restructuring.

- Van Fossen brought to the committee's attention that with the presented MCDs there are prerequisite discrepancies
 - The presented EE 435 and EE 436 have EE 361: Applied Electromagnetics as a listed prerequisite when it was discussed that this would not be a prerequisite
- After discussing the necessity of EE 361 material, it is intended to be a recommended for EE 437: Integrated Systems Capstone
- Van Fossen notes that after reviewing the proposed pathway revision, it could possibly be difficult for transfer students due to the necessity of EE 333: Analog Embedded Systems
 - This course is a prerequisite for EE 436, but has the prerequisite of EE 332
 - The difficulty lies in when courses will be offered, leaving minimal flexibility in students' schedules
 - Rudell pointed out that the proposed changes to IS junior year are more liberal with respect to completing courses for transfer students than what was previously mentioned in the pathway. The proposed IS pathway recommends EE 332 and EE 333 taken in the junior year without any sequencing in between the courses; 332 and 333 are not listed as prerequisites to each other, the old IS plan required 331 and 332 in sequence in the junior year.
 - The group chairs should carefully schedule classes considering when transfer students enter the pathway

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- The committee noted that the presented MCDs did not present prerequisites uniformly
 - One MCD listed courses while others had topics; to ensure understanding of required materials, all MCDs should list prerequisites by topics
- **Rudell will update the presented MCD to reflect prerequisite listings to exclude EE 361 as a required course and instead be listed as recommended**