

ECE Curriculum Committee Meeting

Tuesday, May 27th, 2025

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

Absent: Majumdar, Moritz, Reyes, Shepard

Agenda:

1. Annual review of the Embedded group
2. Review Integrated Systems pathway changes and transition plan

Annual review of the Embedded group

Group chair Scott Hauck presented to the committee an overview of the current academic year for the Embedded Group (EMB) and comparing it to the performance of last academic year to update the committee on trends/growths and goals that were achieved/needs improvement on. Data reviewed shows an overall upward trend in enrollment, balanced outcomes for ABET requirements, and stable evaluations from students.

- EMB Slides - [Link](#)
- Enrollment does not show any signs of under-enrollment, with over enrollment
 - Hauck also noted that classes are getting pushed later and later because juniors cannot get into them early
- ABET Outcomes mostly meet the requirements of at least ~75% or higher of students assessed are “Competent/Exemplary”
 - There are a couple of instances of courses dropping below the 75% of assessed students
 - Spring 2024 – EE 271
 - Autumn 2024 – EE 475
- Student Course Evaluations show a stable trend of results
 - Participation is high for nearly all courses
 - Adjusted combined median ranges from 3.3 - 5.0
 - Challenge and Engagement Index (CEI) ranges from 4.3 - 6.7
 - Hours per credit ranges from 2.1 - 3
- Hauck noted some issues that arose from Spring 2024 to Spring 2025:
 - See “End of Course Reports – Issues found” slide
 - There were issues of student performances
 - Space issues with labs and them feeling overcrowded
 - No big issues that are either not currently being fixed nor being consistent

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Review Integrated Systems Pathway and Revision Plan

With many meetings and online voting dedicated to the approval of the Integrated Systems (IS) pathway and revision plan, Advising has requested a single source of record to track all the discussed changes and approvals as of this meeting. Swanson and Van Fossen have created a running spreadsheet that tracks the process of the changes being made with the IS proposals.

- Snapshot of tracking spreadsheet as of May 27th, 2025 - [Link](#)
- **Motion to approve the following as noted in the tracking spreadsheet:**
 - **EE 332: prerequisites changed from 331 - TO - 233 and 280**
 - **EE 473: course number will change to 435; prerequisite will remain EE 332**
 - **EE 437: prerequisites changed from 331, 473 - TO - 436; EE 361 recommended**
 - **Motion approved**