

Engineering Curriculum Committee Agenda

Meeting: #24
Date: March 31, 2025
Time: 12:30 pm EST
Location: [Virtually via Zoom](#)
Meeting ID: 927 6319 2409
Passcode: 585291
Chair(s): Kinzer-Ursem (co-chair), Oakes (co-chair)

1. ECC meeting #24 agenda review and approval.
2. ECC meeting minutes ([ECC #23 – 03/10/25](#)) review and approval.
3. The following EFD was ***auto-approved on behalf of the faculty*** and will be read into the minutes:
 - 3.1. [EFD 171-25 ECE Multiple Courses – add Indianapolis location](#)
4. Consideration by the ECC for ***final approval on behalf of the faculty*** the following EFD:
 - 4.1. [EFD 142-25 CCE Concentration in Construction Engineering and Business – new graduate concentration](#)
5. Consideration by the ECC for ***fast-track approval on behalf of the faculty*** the following EFDs:
 - 5.1. [EFD 41-25 BME 49200 Biomedical Engineering Design II – change in requisites](#)
 - 5.2. [EFD 134-25 ECE 32300 Electromechanical Motion Devices and Systems Laboratory – change in requisites](#)
 - 5.3. [EFD 136-25 ECE 20007 Electrical Engineering Fundamentals I Lab – change in learning outcomes](#)
 - 5.4. [EFD 137-25 ECE 47300 Introduction to Artificial Intelligence – change in requisites](#)

6. Consideration by the ECC for ***approval for distribution to the faculty*** the following EFD:

- 6.1. [EFD 64-25 BME 50400 Engineering Analysis of Tissues – new graduate course](#)
- 6.2. [EFD 122-25 IE 55100 Digital Transformation in Industrial Businesses – new graduate course](#)
- 6.3. [EFD 129-25 ECE 20869 Discrete Math for Computer Engineering – new undergraduate course](#)
- 6.4. [EFD 130-25 ECE 41015 Introduction to Smart Grid – new undergraduate course](#)
- 6.5. [EFD 131-25 ECE 40656 Analog and Mixed Signal Integrated Circuits – new undergraduate course](#)
- 6.6. [EFD 132-25 ECE 40655 Digital Integrated Circuit Analysis and Design – new undergraduate course](#)
- 6.7. [EFD 133-25 ECE 40863 Introduction to Computer Networks – new undergraduate course](#)
- 6.8. [EFD 138-25 ECE 30861 Software Engineering – change in course number, requisites, description, and learning outcomes](#)
- 6.9. [EFD 159-25 ECE 40801 Introduction to Computer Vision – new undergraduate course](#)
- 6.10. [EFD 160-25 ECE 40802 Introduction to Natural Language Processing – new undergraduate course](#)
- 6.11. [EFD 172-25 ME 19901 How Stuff Works Lab Instructor – new undergraduate course](#)
- 6.12. [EFD 173-25 AAE MS in Space Systems Engineering – new graduate major](#)

7. **Old Business**

7.1. **Tabled EFDs**

- 7.1.1. [EFD 15-25 BME Concentration in Artificial Intelligence and Digital Health for MSBME – new graduate concentration](#)
- 7.1.2. [EFD 39-25 BME Concentration in Artificial Intelligence and Digital Health with Industry Immersion for MSBME – new graduate concentration](#)
- 7.1.3. [EFD 94-24 ECE Minor in Artificial Intelligence and Machine Learning – change in curricula](#)

7.2. Flagged EFDs

- 7.2.1. [EFD 30-25 ECE 60125 Optimization for Deep Learning – new graduate course](#)
- 7.2.2. [EFD 74-25 ABE 54200 From Chips to Cloud: Machine Learning in IoT and Computer Systems – new graduate course](#)
- 7.2.3. [EFD 120-25 ME Concentration in Sports Engineering – new graduate concentration](#)

8. New Business

9. Adjournment