

Engineering Curriculum Committee Agenda

Meeting: #26
Date: April 14, 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 #26 agenda review and approval.
2. ECC meeting minutes ([ECC #25 – 04/07/25](#)) review and approval.
3. Consideration by the ECC for ***final approval on behalf of the faculty*** the following EFDs:
 - 3.1. [EFD 64-25 BME 50400 Engineering Analysis of Tissues – new graduate course](#)
 - 3.2. [EFD 122-25 IE 55100 Digital Transformation in Industrial Businesses – new graduate course](#)
 - 3.3. [EFD 129-25 ECE 20869 Discrete Math for Computer Engineering – new undergraduate course](#)
 - 3.4. [EFD 130-25 ECE 41015 Introduction to Smart Grid – new undergraduate course](#)
 - 3.5. [EFD 131-25 ECE 40656 Analog and Mixed Signal Integrated Circuits – new undergraduate course](#)
 - 3.6. [EFD 132-25 ECE 40655 Digital Integrated Circuit Analysis and Design – new undergraduate course](#)
 - 3.7. [EFD 133-25 ECE 40863 Introduction to Computer Networks – new undergraduate course](#)
 - 3.8. [EFD 138-25 ECE 30861 Software Engineering – change in course number, requisites, description, and learning outcomes](#)

- 3.9. [EFD 159-25 ECE 40801 Introduction to Computer Vision – new undergraduate course](#)
- 3.10. [EFD 160-25 ECE 40802 Introduction to Natural Language Processing – new undergraduate course](#)
- 3.11. [EFD 173-25 AAE MS in Space Systems Engineering – new graduate major](#)
- 4. Consideration by the ECC for ***approval for distribution to the faculty*** the following EFD:
 - 4.1. [EFD 06-26 IE Concentration in Computational Data Science – new graduate concentration](#)
 - 4.2. [EFD 07-26 ME Concentration in Computational Data Science – new graduate concentration](#)
 - 4.3. [EFD 08-26 EEE Concentration in Computational Data Science – new graduate concentration](#)
 - 4.4. [EFD 09-26 ENGR 10351 Space Engineering Seminar – new undergraduate course](#)
- 5. **Old Business**
 - 5.1. **Tabled EFDs**
 - 5.1.1. [EFD 15-25 BME Concentration in Artificial Intelligence and Digital Health for MSBME – new graduate concentration](#)
 - 5.1.2. [EFD 39-25 BME Concentration in Artificial Intelligence and Digital Health with Industry Immersion for MSBME – new graduate concentration](#)
 - 5.1.3. [EFD 94-24 ECE Minor in Artificial Intelligence and Machine Learning – change in curriculum](#)
 - 5.1.4. [EFD 172-25 ME 19901 How Stuff Works Lab Instructor – new undergraduate course](#)
 - 5.2. **Flagged EFDs**

- 5.2.1. [EFD 30-25 ECE 60125 Optimization for Deep Learning – new graduate course](#)
- 5.2.2. [EFD 74-25 ABE 54200 From Chips to Cloud: Machine Learning in IoT and Computer Systems – new graduate course](#)
- 5.2.3. [EFD 120-25 ME Concentration in Sports Engineering – new graduate concentration](#)
- 5.2.4. [EFD 03-26 MS in Sustainability Engineering/MS in Sustainable Building Design and Operation – new graduate degree](#)

6. New Business

7. Adjournment