

Engineering Curriculum Committee Agenda

Meeting: #22
Date: April 8, 2024
Time: 12:30 pm EST
Location: [Virtually via Zoom](#)
Meeting ID: 917 0410 8591
Passcode: 742090
Chair(s): Alexeenko (co-chair), Kinzer-Ursem (co-chair)

1. ECC meeting #22 agenda review and approval.
2. ECC meeting minutes ([ECC #21 – 03/25/24](#)) review and approval.
3. Consideration by the ECC for *final approval on behalf of the faculty* the following EFDs via electronic vote:
 - 3.1. [EFD 08-24 ECE BSEE Degree Requirements – change in curricula](#)
 - 3.2. [EFD 09-24 ECE BSCmpE Degree Requirements – change in curricula](#)
 - 3.3. [EFD 10-24 ECE Concentration in Electric Power and Energy Systems – change in curricula](#)
 - 3.4. [EFD 11-24 ECE Concentration in Automatic Concentration – change in curricula](#)
 - 3.5. [EFD 12-24 ECE Concentration in Artificial Intelligence and Machine Learning \(BSEE\) – change in curricula](#)
 - 3.6. [EFD 13-24 Concentration in Microelectronics and Semiconductors \(BSEE\) – change in curricula](#)
 - 3.7. [EFD 14-24 ECE Concentration in Wireless and Optical Engineering – change in curricula](#)
 - 3.8. [EFD 15-24 ECE Concentration in Quantum Technology – change in curricula](#)

- 3.9. [EFD 30-24 ECE 50635 An Introduction to Data Analysis, Design of Experiment, and Machine Learning – new graduate course](#)
- 3.10. [EFD 65-24 IDE Doctor of Engineering – new graduate degree](#)
- 3.11. [EFD 69-24 IBE/IE Dual Degree Program – new undergraduate degree](#)
- 3.12. [EFD 78-24 IE Logistics Systems Engineering – new graduate major](#)
- 3.13. [EFD 79-24 ENGR 60200 Research Fundamentals – new graduate course](#)
- 3.14. [EFD 80-24 ENGR 60300 Doctor of Engineering Seminar – new graduate course](#)
- 3.15. [EFD 81-24 ENGR 60100 Doctor of Engineering Fundamentals – new graduate course](#)
- 3.16. [EFD 85-24 CE Smart Transportation – new graduate certificate](#)
- 3.17. [EFD 86-24 CE 50500 UAS-Based Mapping: Basic Principles – new graduate course](#)
- 3.18. [EFD 87-24 CE 50502 UAS-based LiDAR Mapping – new graduate course](#)
- 3.19. [EFD 88-24 CE 50501 UAS-based Photogrammetric Mapping – new graduate course](#)
- 3.20. [EFD 89-24 ECE Concentration in Artificial Intelligence and Machine Learning \(BSCmpE\) – change in curricula](#)
- 3.21. [EFD 90-24 ECE Concentration in Microelectronics and Semiconductors \(BSCmpE\) – change in curricula](#)
- 3.22. [EFD 91-24 ECE Concentration in Computer Systems – change in curricula](#)
- 3.23. [EFD 92-24 ECE Concentration in Software Engineering – change in curricula](#)
- 3.24. [EFD 93-24 ECE Minor in Electrical and Computer Engineering – change in curricula](#)
- 3.25. [EFD 95-24 ECE Minor in Microelectronics and Semiconductors – new curricula](#)

- 3.26. [EFD 106-24 IDE Major in Systems Engineering – new graduate major](#)
- 3.27. [EFD 108-24 ECE 61025 Finite Element Analysis of Electric Machines – change in course title, number, and description](#)
4. Consideration by the ECC for *fast-track approval on behalf of the faculty* the following EFD via electronic vote:
 - 4.1. [EFD 112-24 IDE 30100 Professional Preparation in Interdisciplinary Engineering – change in requisites](#)
5. Consideration by the ECC for *approval for distribution to the faculty* the following EFD:
 - 5.1. [EFD 113-24 AAE Certificate in Space Engineering – new undergraduate certificate](#)
 - 5.2. [EFD 109-24 EEE Concentration in Sustainability Engineering – new graduate concentration](#)
6. **Old Business**
 - 6.1. **Tabled EFDs**
 - 6.1.1. [EFD 94-24 ECE Minor in Artificial Intelligence and Machine Learning – change in curricula](#)
 - 6.1.2. [EFD 110-24 ECE Major in Software Engineering – new graduate major](#)
 - 6.1.3. [EFD 111-24 IDE Major in Smart Cities and Urban Informatics – new graduate major](#)
 - 6.2. **Flagged EFDs**
 - 6.2.1. [EFD 40-24 ENE 68600 Succeeding as an Engineering Professor – new graduate course](#)
 - 6.2.2. [EFD 75-24 CE 57400 Introduction to Applied Computer Vision – new graduate course](#)

7. Adjournment