**School of Computing & Augmented Intelligence**  
**Engineering Management Minor (ESENMMIN)**  
**Updated: 2023-2024 Catalog Year Requirements**

**Core Courses – Required 9 credit hours**

- **IEE 300 (3)** Economic Analysis for Engineers
- **IEE 369 (3)** Work Analysis and Design
- **IEE 456 (3)** Introduction to Systems Engineering
- **IEE 388 (3)** Project Management or CEE 481 (3) Civil Engineering Project Management
- **IEE 474 (3)** Quality Control
- **IEE 412 (3)** Introduction to Financial Engineering
- **IEE 454 (3)** Risk Management
- **IEE 451 (3)** Engineering Administration
- **IEE 376 (3)** Operations Research Deterministic Techniques/Applications
- **IEE 437 (3)** Human Factors Engineering

**Electives – Pick 9 credit hours**

- **MAT 265 (3)** Calculus for Engineers I
- **MAT 266 (3)** Calculus for Engineers II
- **MAT 247 (2), MAT 342 OR MAT 343 (3)** Linear Algebra
- **CSE 110 (3)** Principles of Programming
- **CSE 205 (3)** Object-Oriented Programming and Data Structures

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*Cee 481 may not be used for both the BSE in civil engineering and the minor in engineering management.*