

Cp E 421: Embedded Systems Design

[Electrical and Computer Engineering](#)

Characteristics of embedded computing applications; performance metrics in embedded systems; embedded system design process; microcontroller/CPU/SoC/DSP ISAs; processes and operating systems; RTOSes; peripheral busses; networking and distributed embedded architectures; interfacing with memory; analog I/O.

3 Credits

Prerequisites

- [El E 351: Electronics Circuits I](#)
- [El E 485: Microprocessor Systems Engineering](#)
- [El E 486: Microprocessor Systems Engr Lab](#)

Instruction Type(s)

- Lecture: Lecture for Cp E 421

Subject Areas

- [Computer Engineering, General](#)

Related Areas

- [Computer Hardware Engineering](#)

