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

Course Fee(s)

Electrical Eng

- $50.00

Subject Areas

- Computer Engineering, General

Related Areas

- Computer Hardware Engineering

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.