ABOUT THE MINOR

The minor in Computer Engineering is open to all students in the university. The minor is designed for students who would like a coherent background in the theory and laboratory practice of computer engineering.

For additional information contact:
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Complete a total of four courses for the minor:

Required Core Course: (1)

EECE 2160 Embedded Design: Enabling Robotics and
EECE 2161 Lab for EECE2160

Required fundamental course: (a maximum of 2 may be taken)

EECE 2322 Fundamentals of Digital Design
EECE 2323 Lab for EECE2322

EECE 2540 Fundamentals of Networks

EECE 2560 Fundamentals of Algorithms

Required technical elective: (a minimum of 1 must be taken)

EECE 4520 Software Engineering I
EECE 4522 Software Engineering II
EECE 4524 VLSI Design & EECE525 VLSI Design Lab
EECE 4526 High-Speed Digital Design
EECE 4528 CAD for Design and Test
EECE 4530 Hardware Description Language and Synthesis
EECE 4534 Microprocessor-Based Design & EECE 4535 Microprocessor Design Lab
EECE 4622 Parallel and Distributed Processing
EECE 4626 Intro to Image Proc & Pattern Recognition
EECE 4638 Special Topics in Computer Engineering
EECE 4630 Robotics
EECE 4694 Numerical Methods and Computer Applications
Notes:

- Minor is awarded to students completing the requirements and earning a minimum QPA of 2.0 in the minor coursework.
- Students outside COE and CS may have to take non-EECE pre-requisite courses to gain entry into specified courses.
- No credit will be given for technical elective courses that have substantial overlap with courses the student has taken as part of the major. (Computer science students should have technical electives pre-approved to avoid electives that have substantial overlap with CS courses taken.)
- Students must fill out a program of study petition in 404 Dana before registering for courses.
- The minor is not open to students in the electrical and computer engineering department due to the overlap with the majors.