Csci 665: Wireless and Sensor Networks

COMPUTER & INFORMATION SCIENCE

This course uses wireless and sensor networks as case studies to enable students to understand and analyze loosely coupled computer networks, network protocols, and network services. Building on basic knowledge about wireless and sensor networks, the course explores recent research on related topics. Students learn to use appropriate embedded programming languages (e.g., nesC) and operating system platforms (e.g., TinyOS) to develop embedded and network programs. Students also learn to design and implement mote-based wireless and sensor network systems by completing a series of programming projects (e.g., multiple access control, multi-hop routing, and data collection from sensors).

3 Credits

Prerequisites

- Csci 561: Computer Networks

Instruction Type(s)

- Lecture: Lecture for Csci 665

Subject Areas

- Computer Science

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.