

## 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](#) \$target.descriptions.MinimumGrade\$

#### Instruction Type(s)

- Lecture: Lecture for Csci 665

#### Subject Areas

- [Computer Science](#)

