

# Csci 425: Code Generation and Optimization

## COMPUTER & INFORMATION SCIENCE

This course examines how machine code is generated and optimized to harness the computing power of modern processors. The course surveys a range of topics including the compilation process and techniques, interface between software and hardware, and program optimizations at different levels (e.g., algorithm, high-level, and assembly level).

3 Credits

### Prerequisites

- [Csci 211: Computer Science III](#)
- [Csci 223: Computer Org. & Assembly Language](#)
- Pre-Requisite: 24 Earned Hours

### Instruction Type(s)

- Lecture: Lecture for Csci 425

### Subject Areas

- [Computer Science](#)

