Csci 425: Code Generation and Optimization

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

Instruction Type(s)
  • Lecture: Lecture for Csci 425

Subject Areas
  • Computer Science