

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 \$target.descriptions.MinimumGrade\$
- <u>Csci 223: Computer Org. & Assembly Language</u> \$target.descriptions.MinimumGrade\$
- Pre-Requisite: 24 Earned Hours

Instruction Type(s)

Lecture: Lecture for Csci 425

Subject Areas

<u>Computer Science</u>

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.

