# Emphasis - Computer Science

# M.S. in Engineering Science

## Description

The M.S. in engineering science is offered in a number of emphasis areas: aeroacoustics, chemical engineering, civil engineering, computational hydroscience, computer science, electrical engineering, electromagnetics, environmental engineering, geology, geological engineering, hydrology, mechanical engineering, material science and engineering, and telecommunications.

## Minimum Total Credit Hours: 30

## Course Requirements

A student must complete the requirements for an emphasis area. For most emphasis areas, the degree may be completed as a:

- Thesis option (30-hour program, to include 6 hours of thesis),
- Nonthesis option (30- hour program, to include a minimum of 3 hours of a design-oriented project course), or
- Coursework option (30-hour program, to include a final oral examination in front of a committee, but no written report)

# Emphasis - Computer Science

## Description

A M.S. in engineering science with emphasis in computer science prepares a student with advanced technical knowledge and communication skills for pursuing a career in industry, engineering research and development, public service, or for doctoral work.

## Course Requirements

The M.S. with emphasis in computer science requires that a student satisfy the departmental core course work requirement. Lists of the currently available courses satisfying the requirement are available from the Department of Computer and Information Science. This may include no course numbered lower than Csci 510. Also required are a minimum of 9 semester hours from computer science courses at the 600 level.

Students may choose to complete the degree with either a thesis or nonthesis option. For the thesis option, no more than 6 credit hours may be earned from thesis hours (Engr 697). For the nonthesis option, 3 semester hours must be earned from an independent study research project (Engr 693); the student must complete a written project paper and pass an oral examination on the work in the project area.