ENGINEERING SCIENCE (PHD) - COMPUTER & INFORMATION SCIENCE

Engineering Science (PHD) - Computer & Information Science

Course Requirements

A student must complete the requirements for one of the emphasis areas. All doctoral programs require completion of a comprehensive examination, dissertation prospectus, and a dissertation. See the department chair or adviser for specific requirements for an emphasis area.

Computer Science

Emphasis - Computer Science

Description

A Ph.D. in engineering science with emphasis in computer science prepares a student with advanced technical knowledge and communication skills for pursuing a career in industry, research and development, or public/government service. Students entering the program come from a variety of engineering and nonengineering disciplines such as electrical engineering, physics, biology, and the liberal arts.

Course Requirements

For the Ph.D. in engineering science with an emphasis in computer science, the student must present a bachelor's or master's degree in the field or the equivalent and take additional classes adding up to 48 hours of approved graduate-level course work (excluding the 18+ semester hours of dissertation research). This may include no course numbered lower than CSCI 5017 Natural Language Processing, and a minimum of 18 hours must be in computer science courses at the 6000 level. The student may count up to 9 credit hours of independent study taught by Department of Computer and Information Science faculty members toward the degree.

Other Academic Requirements

The student must pass the comprehensive examination and the preliminary oral examination (dissertation prospectus).