

CSCI 5189 – THESIS RESEARCH

CREDIT HOURS: 1 - 3

PREREQUISITES: Completion of 12 semester hours of graduate computer science courses and approval of the thesis director and of the department chair.

CATALOG DESCRIPTION

Research necessary to initiate the thesis work. Grade withheld until completion of thesis.

PURPOSE OF COURSE

To introduce student to academic research under the supervision of the student's thesis director.

EDUCATIONAL OBJECTIVES

The goal of this course is to provide the student experience in developing the concepts and skills required to implement a complete system. Student evaluation will be based on successful development, and presentation of a project system.

Upon successful completion of the course, students should be able to:

1. Conduct research into a thesis topic.
2. Write and present a research paper to be submitted to a conference.

COURSE CALENDAR

This course meets for a minimum of 12.5 contact hours during the semester. During that period, a student meets multiple times with a faculty research mentor to develop and successfully execute computer science research in a laboratory setting. The student must become familiar with primary literature pertaining to the research project, and is responsible for learning project design and development. Throughout the semester, the student must provide regular updates to the faculty mentor about any changes to protocols, data analyses, and interpretation of research findings. The student also completes a written summary of accomplishments that is presented to the faculty mentor. That content is also incorporated into the thesis presented for evaluation by the graduate faculty at the conclusion of the degree program. Successful completion of all elements for the course requires at least two additional hours of outside of contact hours of work each week.

CONTENT

Hours

Thesis research and paper Variable