**WSE 187 Women in the Laboratory: Introduction to Science, Engineering, and Mathematics Research**

An introduction to and hands-on experience in doing research in mathematics, engineering, and several science disciplines within a group setting. The students rotate among several research environments: computer science, mathematics, social sciences, natural sciences and engineering. Within each environment they are given background readings, instructed in the problem to be studied, jointly carry out a small experiment related to the problem, and discuss the social implications of the research problem. Students make presentations related to one of the projects in which they participate. Enrollment limited to first-year women in the WISE program.

*3 credits*

**WSE 242-H Social Dimensions of Science**

A study of social aspects of science in connection with specific projects conducted with professional scientists from within and outside the University. The student research experience is placed in the context of current ideas on philosophical, economic, political, social, and psychological aspects of science. Students not in the WISE program must obtain permission to register for the course.

*Prerequisite: One of the following: BIO 201, BIO 202, CHE 131, CHE 141, GEO 102/112, GEO 122, PHY 125, PHY 131/133, or PHY 141*  

*3 credits*

**WSE 487 Independent Project in WISE**

The design and implementation of a research project selected by the student and arranged by the student and the instructor. May be repeated once.

*Prerequisites: Permission of instructor and department*  

*0-6 credits*

**WSE 488 WISE Internship**

Participation in public and private agencies, laboratories and organizations. Students are required to submit written reports on their experiences to the faculty sponsor and the WISE program. May be repeated up to a limit of six credits.

*Prerequisites: Permission of instructor and department*  

*0-6 credits, S/U grading*