

CHIN 4490: Special Topics

3 Credit Hours

Prerequisite: CHIN 3302 or permission of the instructor.

This course covers special topics relevant to the study of Chinese-speaking societies.

CHIN 4499: Senior Seminar

3 Credit Hours

Prerequisite: CHIN 3304 and CHIN 3305 and senior status

This is a capstone course designed to synthesize and connect the students' prior academic experiences in the major and related fields of study. Students prepare a reflective essay and a research paper to present to the faculty. Papers and presentations are in Chinese.

CE 1001L: Introduction to Civil and Environmental Engineering Lab

1 Credit Hours

Prerequisite: ENGR 1000

This laboratory is a continuation of ENGR 1000 focused on civil and environmental engineering's place in society and fundamental engineering skills. The course provides expanded treatment of the practice of civil and environmental engineering through authentic, multidisciplinary projects. Project work reinforces the following topics: economics, computer-based tools, sustainability, entrepreneurial mindset, engineering design, teamwork, diversity, inclusion, and ethics.

CE 2003: Engineering Problem Solving

3 Credit Hours

Prerequisite: ENGR 2214

This course introduces spreadsheet applications for civil engineering analysis and problem solving, calculating building loads, and linear and nonlinear regression. The course also covers fundamentals of dynamics relevant to the FE exam and to subsequent courses in structures. Topics include vector methods, force and acceleration, linear and angular momentum, and energy methods.

CE 3201: Structural Analysis

3 Credit Hours

Prerequisite: ENGR 3131 and Engineering Standing

This course is the introductory course in identification and analysis of basic structural elements. Topics include the determination of beam deflections, methods for the computational analysis of statically indeterminate trusses, moment distribution, and the analysis of frames.