

# ENGR - ENGINEERING

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## **ENGR 600 Engineering Graduate Study Abroad**

**Credits 1 to 15. 1 to 15 Lecture Hours.**

For students in approved study abroad and reciprocal educational exchange programs. May be taken two times for credit.

**Prerequisites:** Graduate classification in engineering; admission to approved program abroad; approval of study abroad coordinator.

## **ENGR 677 Science, Technology, Engineering and Mathematics (STEM) Teaching Professional Development**

**Credit 1. 1 Lecture Hour.**

Center for Teaching Excellence (CTE) consultation and faculty mentoring in STEM teaching; course topic and syllabus design; learning outcomes and assessment; teaching methodology; reflection on teaching philosophy; reflection on teaching as research. Must be taken on satisfactory/unsatisfactory basis.

**Prerequisites:** Graduate classification and approval of instructor.

**Cross Listing:** GEOS 677 and SCEN 677.

## **ENGR 681 Professional Development Seminar**

**Credits 0-1. 0-1 Other Hours.**

Topics of interest related to the professional practice of engineering.

## **ENGR 684 Professional Internship**

**Credits 1 to 10. 1 to 10 Other Hours.**

Supervised experience of one academic year in industry where students can learn to apply their textbook-based skills to problems in the real-world environment.

**Prerequisites:** Admission to the Doctor of Engineering program and graduate classification.

## **ENGR 685 Directed Studies**

**Credits 1 to 6. 1 to 6 Other Hours.**

Design or research problems executed either individually or as a team.

**Prerequisites:** Graduate classification; approval of graduate advisor.

## **ENGR 689 Special Topics in...**

**Credits 1 to 4. 1 to 4 Lecture Hours.**

Advanced topics of current interest in engineering. May be repeated for credit.

**Prerequisite:** Approval of instructor.

## **ENGR 698 Writing for Publication**

**Credits 3. 3 Lecture Hours.**

Writing in academic disciplines and settings; writing for different audiences and purposes; style; planning and development of academic journal articles; grant proposals; correspondence; oral presentations; technical reports.

**Prerequisite:** Advanced standing in master's/doctoral programs; approval of departmental/college graduate advisor.