# Professional Degree Programs

In an effort to meet increasing industry demands for highly skilled workers, the School of Engineering offers a variety of professional programs. These programs are designed to benefit working professionals who seek to increase their qualifications through specialized degree and certificate programs. The following three tracks are available in the Master of Engineering (MEng): Construction Engineering Management; Advanced Safety Engineering and Management; and Information Engineering and Management.

## Courses

**EGR 590. Special Topics in Engineering. 1-3 Hour.**
Special Topics in Engineering.

**EGR 591. Individual Study in Engineering. 1-6 Hour.**
Individual Study in Engineering.

**EGR 690. Special Topics. 1-4 Hour.**

**EGR 697. Engineering Grad Internship. 0-6 Hours.**
Student works in a professional environment reflective of research interests pursuant to graduate degree.

**EGR 698. Non-Thesis Research. 1-12 Hour.**
Research allows the student to explore a topic of interest under the close supervision of a faculty member. The course may include directed readings, applied work, in addition to carrying out individual research in selected area.

**EGR 699. Thesis Research. 1-12 Hour.**
Research allows the student to explore a topic of interest under the close supervision of a faculty member. The course may include directed readings, applied work, in addition to carrying out individual research in selected area.

**EGR 710. Intro to Interdisciplinary EGR. 3 Hours.**
Introduces current trends and cutting-edge research in areas related to engineering that require interdisciplinary approaches.

**EGR 711. Methodology for IEGR Research. 3 Hours.**
Presents a detailed perspective on methods of approach for interdisciplinary problems, including experimental design, laboratory experimentation, physical modeling, simulation, and analysis.

**EGR 790. Special Topics. 1-4 Hour.**

**EGR 791. Independent Study. 1-6 Hour.**
Independent Study in Engineering.

**EGR 792. Interdisciplinary EGR Seminar. 1 Hour.**
Discussions and presentations of research involving engineering in a number of disciplines. Required for graduate students in the interdisciplinary engineering Ph.D. program.

**EGR 796. Journal Club in Interdisciplinary Engineering. 1 Hour.**
Journal club to discuss current research and investigations in areas of interdisciplinary engineering.

**EGR 798. Non-Dissertation Research. 0-12 Hours.**

**EGR 799. Dissertation Research. 1-12 Hour.**
**Prerequisites:** GAC Z