

SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

The School comprises three departments, which offer five masters and three doctoral degrees. The Department of Computer Science offers a Master of Science in Computer Science, an Online Master of Science in Computer Science, and a Doctor of Philosophy. The Department of Electrical and Computer Engineering offers a Master of Science in Electrical and Computer Engineering and a Doctor of Philosophy. The Department of Mechanical Engineering offers a Master of Science in Mechanical Engineering and a Doctor of Philosophy. The School of Engineering and Computer Science also offers additional graduate engineering degrees, which are described below in the Interdisciplinary Degrees section and are administered jointly between the engineering departments. These degrees include a Master of Science in Biomedical Engineering, a Master of Engineering, accelerated undergraduate/graduate degrees, and a dual Master of Business Administration/Master of Engineering.

- Computer Science (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/computer-science/>)
 - Computer Science, M.S. (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/computer-science/computer-science-ms/>)
 - Computer Science, M.S. (Online) (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/computer-science/computer-science-ms-online/>)
 - Computer Science, Ph.D. (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/computer-science/computer-science-phd/>)
- Electrical and Computer Engineering (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/electrical-computer-engineering/>)
 - Certificate in Computer Systems Engineering (CERTG) (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/electrical-computer-engineering/certificate-computer-systems-engineering/>)
 - Electrical and Computer Engineering, M.S.E.C.E. (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/electrical-computer-engineering/electrical-computer-engineering-msece/>)
 - Electrical and Computer Engineering, Ph.D. (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/electrical-computer-engineering/electrical-computer-engineering-phd/>)
 - Graduate Certificate in Microwave/RF Engineering (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/electrical-computer-engineering/certificate-microwave-rf-engineering/>)

- Mechanical Engineering (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/mechanical-engineering/>)
 - Mechanical Engineering, M.S.M.E. (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/mechanical-engineering/mechanical-engineering-msme/>)
 - Mechanical Engineering, Ph.D. (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/mechanical-engineering/mechanical-engineering-phd/>)
- Interdisciplinary Degrees (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/interdisciplinary-degrees/>)
 - Biomedical Engineering, M.S.B.M.E. (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/interdisciplinary-degrees/biomedical-engineering-msbme/>)
 - Master of Engineering, M.E. (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/interdisciplinary-degrees/master-engineering-me/>)
- Engineering Accelerated Degree Programs (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/engineering-joint-degree-programs/>)
- Dual Master of Business Administration/Master of Engineering (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-engineering-computer-science/joint-master-business-administration-master-engineering/>)

Engineering (EGR)

EGR 4V97 Special Projects in Engineering (1-6)

Pre-requisite(s): Consent of department chair

Advanced topics and/or special project activities in engineering.

EGR 5001 Baylor Engineering and Research Seminar (0)

Pre-requisite(s): Admission to Engineering graduate program

A weekly forum for presentation by guest speakers, faculty and graduate students on current research and other topics of interest. Graduate students must enroll and attend two semesters or more as required by their advisory committee.

EGR 5199 Non-Thesis Degree Completion (1)

To fulfill requirements for non-thesis master's students who need to complete final degree requirements other than coursework during their last semester. This may include such things as a comprehensive examination, oral examination, or foreign language requirement. Students are required to be registered during the semester they graduate.

EGR 5302 Engineering Analysis (3)

Cross-listed as ELC 5302, ME 5302

See ELC 5302 for course information.

EGR 5357 Cardiovascular Engineering and Instrumentation (3)

Cross-listed as BME 5357, ELC 5357, ME 5357

See BME 5357 for course information.

EGR 5390 Research Methods and Project Formulation (3)

Cross-listed as BME 5390, ELC 5390

See ELC 5390 for course information.

EGR 5396 Special Topics in Engineering (3)

Pre-requisite(s): Approval of department chair

Study of special topics in engineering. This course may be repeated for a total of four times with different topics.

EGR 5397 Special Projects in Engineering (3)

Cross-listed as BME 5397, ELC 5397, ME 5397

Pre-requisite(s): Consent of department chair

Graduate level topics and/or special project activities in engineering.

EGR 5V98 Master's Project (1-6)

Pre-requisite(s): Approval of student's master's project advisor

Students completing a master's program with a project must complete three or six hours of this course, as determined by the student's individual plan of study.