

# ENGINEERING JOINT DEGREE PROGRAMS

Students who are near completion of their undergraduate engineering degree at Baylor University may enter one of the joint programs in which, by proper planning, up to six semester hours of graduate credit may be applied toward the degree requirements of both the bachelor's and master's degrees. Students will select whether to pursue a Master of Science in one of the engineering disciplines or a Master of Engineering. Both diplomas are awarded at the completion of both degree programs. The eight joint degree programs are:

- Electrical and Computer Engineering Joint Program, B.S.E.C.E./M.S.E.C.E.
- Electrical and Computer Engineering/Biomedical Engineering, B.S.E.C.E./M.S.B.M.E.
- Electrical and Computer Engineering/Master of Engineering, B.S.E.C.E./M.E.
- Mechanical Engineering Joint Program, B.S.M.E./M.S.M.E.
- Mechanical Engineering/Biomedical Engineering, B.S.M.E./M.S.B.M.E.
- Mechanical Engineering/Master of Engineering, B.S.M.E./M.E.
- Engineering/Biomedical Engineering, B.S.E./M.S.B.M.E.
- Engineering/Master of Engineering, B.S.E./M.E.

## Admission and Financial Aid

Admission is based on undergraduate academic record, the Graduate Record Examination (GRE), and letters of recommendation for the candidate. For Master of Science programs, tuition waivers and stipends are available on a competitive basis.

## Course Requirements for Master of Science

### Thesis Option Requirements

A discovery-oriented thesis is required in accordance with the criteria listed in the graduate catalog general requirements.

Code	Title	Hours
Course Work		24
ME 5V99	Master's Thesis	6
or ELC 5V99	Master's Thesis	
<b>Total Hours</b>		<b>30</b>

### Non-Thesis Option Requirements

A 3 credit MS-level project to be completed under the supervision of a ME graduate faculty member that results in a project report submitted to the Department of Mechanical Engineering.

Code	Title	Hours
Course Work		27
MS Project - Select one of the following:		3
EGR 5V98	Master's Project	3
<b>Total Hours</b>		<b>33</b>

Course work will be selected in consultation with the student's advisor. Courses in the departments of Electrical and Computer Engineering,

Mathematics, Statistics, Physics, Chemistry, Biology, or Environmental Science may be included in this total with consent of the advisor.

## Course Requirements for Master of Engineering

Requirement	Hours
Course Work <sup>1</sup>	30

<sup>1</sup> 3 hours may be EGR 5V98 Master's Project project course with engineering applications

Courses will be selected in consultation with the student's advisor. Master of Engineering students may take up to 15 hours outside the Department of Engineering in the Master of Business Administration (MBA) program or the departments of Mathematics, Statistics, Biology, Chemistry, or Physics with consent of the advisor.

## Program