MECHANICAL ENGINEERING, BS-MS

for the joint degrees of Bachelor of Science in Mechanical Engineering and Master of Science in Mechanical Engineering

This program is not currently accepting applications.

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Course Requirements

The combined program requires 120 hours of undergraduate credit and 32 hours of graduate credit. This compares with 128 hours of undergraduate credit and 32 hours of graduate credit when the B.S. and M.S. degrees are earned separately. The undergraduate requirements are identical to the four-year B.S. program, except that the following requirements are waived:

- one MechSE elective — 3 hours
- one Technical elective — 3 hours
- Free electives — 2 hours

In addition, independent study project courses may not be used as MechSE or technical electives in the B.S. portion of the combined program.

The M.S. portion of the program requires completion of 32 hours of credit. This consists of a minimum of 24 hours of formal graded course work at the 400 level or above and eight hours of thesis research credit. Additionally, the formal graded course work must include eight hours at the 500 level and eight hours in the major area of study (ME) with a minimum of four of those hours at the 500 level. A Master’s thesis is required, consisting of at least four and no more than eight hours of ME 599 credit. Students must also register for the graduate seminar course (ME 590) every semester following formal admission into the graduate portion of the program and complete MSE 492. The seminar and lab safety credits will not count toward the degree. The non-thesis option is not available to students in this combined program.

A student in the combined program must spend at least two academic years in residence, full time in the combined degree program, and at least one of these years must be with graduate status. Students must maintain a graduate GPA of 3.00 in order to remain in the combined program.

The B.S. and M.S. degrees are granted simultaneously at the end of the program.