Grado Department of
Industrial and Systems Engineering
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Dual Degree Program

The Grado Department of Industrial and Systems Engineering has a strong and diverse master's program that provides opportunities for study in specific areas in industrial and systems engineering. For well qualified students in a bachelor's degree program in ISE at Virginia Tech, the department offers the opportunity to begin the master's degree coursework in the final semester of bachelor's studies. Prospective students should have a strong academic background that is commensurate with their desired field of study within the department.

Students can select one of four general focus areas for their graduate study:
- Human Factors and Ergonomics
- Management Systems Engineering
- Manufacturing Systems Engineering
- Operations Research
- General Industrial Engineering

The program offers both a thesis masters of science (MS) or a coursework only, non-thesis masters of engineering (MENG) degree.

Admissions Requirements for the Dual Degree program in ISE:
- Minimum 3.0 GPA in last 60 hours of bachelor's coursework completed
- Statement of purpose, including career objectives
- CV/Resume
- Three letters of reference
- Transcripts, including official transcripts of all non-VT coursework

Applicants must be entering the last semester of their undergraduate degree and must be accepted into the program prior to the beginning of the semester in which they would enroll in courses to be used in the Dual Degree program. Students will submit the online graduate application, found on the Virginia Tech Graduate School's web site, for the semester immediately after their undergraduate degree is completed, and the graduate degree will begin.

Application Deadlines:
- Begin final semester in spring – Apply by December 1
- Begin final semester in fall – Apply by July 1

Program Requirements for dual degree program in ISE:
- A maximum of 6 hours of graduate coursework, none of which can include required undergraduate classes.
- No more than 6 hours may be at the 4000 level.

- Courses may only be taken pass/fail if there is no other grade option available.
- Courses may not be taken as Audit.
- If a course is offered at both the 4000 and 5000 level the 5000-level course must be taken.
- Courses will not be double-counted for undergraduate and graduate credit, but will be moved to the graduate transcript once the graduate degree begins.

Questions on the Dual Degree program in ISE or any other graduate programs in ISE should be directed to the ISE Graduate Program Advisor:

Hannah S. Parks, ISE Graduate Program Advisor
hsswiger@vt.edu