

## **Undergraduate/Graduate Degree in ISE**

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 year 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 UG/G program in ISE:

- Minimum 3.4 GPA in last 60 hours of bachelor's coursework completed
- Official GRE scores
- Statement of purpose, including career objectives
- CV/Resume
- Three letters of reference
- Transcripts, including official transcripts of all non-VT coursework

Applicants must be in the last 12 months 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 UG/G program. Students will submit the online graduate application, found on the Virginia Tech Graduate School's web site, for the semester that the master's portion of their degree begins.

Application Deadlines:

- Begin senior year in fall – Apply by July 1
- Begin senior year in spring – Apply by December 1

Program Requirements for UG/G program in ISE:

- A maximum of 9 hours may be double-counted, none of which can include required undergraduate classes.
- No more than 6 hours may be at the 4000 level.
- A grade of "B" or better must be earned in each course in order to be double counted.
- 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.

Questions on the UG/G program in ISE or any other graduate programs in ISE should be directed to the ISE Graduate Program Advisor:

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