



Accelerated Undergraduate/Graduate Degree Master of Science (M.S.) in Systems Engineering

The Grado Department of Industrial and Systems Engineering offers a non-thesis Masters of Science (M.S.) Degree in Systems Engineering (SYSE) that provides opportunities for study in specific areas in systems engineering. For well qualified students in a College of Engineering bachelor's degree program at Virginia Tech, the ISE department offers the opportunity to begin the SYSE coursework in the final year of their bachelor's studies. Courses taken as part of the program can double count for both the bachelor's degree and the SYSE Masters of Science degree. SYSE graduates can select a plan that leads to advanced study at the Ph.D. level, or one that prepares them to challenging positions in the public or private sectors.

Prospective M.S. in Systems Engineering students should have a strong academic background in a disciplinary field of engineering (i.e., aerospace, biomedical, building construction, chemical engineering, civil, computer, electrical, industrial & systems, materials, mechanical, mining, and/or ocean engineering).

Admissions Requirements for the Accelerated UG/G program in SYSE:

- Minimum 3.4 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 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 double counted in the Accelerated UG/G program. Students should apply for the semester immediately after their undergraduate degree is completed, and the graduate degree will begin.

Application Deadlines:

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

Program Requirements for Accelerated UG/G program in SYSE:

- A maximum of nine hours may be double-counted, none of which can include required undergraduate classes.

- No more than six credits double counted may be at the 4XXX level.
- Conjoint classes, to double count, must be taken at the 5XXX level.
- A grade of “B” or better must be earned in each course to be double counted.
- Courses must not be taken pass-fail if a graded option is available.
- Courses taken as “Audit” may not be double counted.

Questions on the accelerated UG/G program in SYSE should be directed to the ISE Graduate Program Advisor:

Hannah S. Parks, ISE Graduate Program Advisor
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