



Faculty Position in the Grado Department of Industrial and Systems Engineering Virginia Tech – *Professor of Practice*

The Virginia Tech Grado Department of Industrial and Systems Engineering (ISE) invites applicants with industry experience for a **non-tenure track Professor of Practice position based in Blacksburg**. The successful candidate for this position will be part of the ISE Capstone (“Senior Design”) Program Teaching Team with instructional lab management responsibilities and additional teaching responsibilities, as needed. A primary component of this position is building and maintaining relationships with organizations sponsoring capstone projects. This **open rank Professor of Practice position** (assistant, associate, or full), commensurate with experience, is a **Restricted Academic Year (AY)** position with the opportunity to earn up to three months additional summer salary, contingent upon availability of funds from company project sponsorships. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of high-quality teaching and mentoring. Required qualifications:

- Advanced ISE degree or significant operations experience working in an industrial and systems engineering role;
- Strong communication skills in all modes with many different levels and types of stakeholders;
- Demonstrated ability to work effectively in and leading teams, including coordinating tasks, building a collaborative environment, and facilitating open communication;
- Willingness and ability to travel to sponsor sites, adhering to sponsor safety requirements;
- Ability to work with industry to obtain student project funding;
- Demonstrated experience developing program budgets and adhering to financial reporting requirements.

The position includes three key areas of responsibility:

- **ISE Capstone Senior Design Program Co-Coordinator (60%)** (e.g., participating as a member of the teaching team, serving as the primary liaison with external project sponsors, driving the recruitment and scoping of industry-based projects each year, and monitoring performance and metrics for the Senior Design Program overall including financial aspects);
- **Center for High Performance Manufacturing Outreach and Advancement (15%)** (e.g., support ISE faculty by identifying research and consulting opportunities with industry partners, developing and delivering training programs and workshops with industry to leverage current capabilities); and
- **ISE Department Instructional and Service Support (25%)** (e.g., serve as Director of the instructional hands-on lab, the Learning Factory, increasing integration of capstone and undergraduate research projects, teach courses in the ISE curriculum as needed and as aligned with candidate’s skills and experience, and serve on departmental and universities committees/initiatives as needed).

The successful candidate will be required to have a criminal conviction check.

The ISE Department has 34 tenured/tenure-track faculty, with an additional nine non-tenure-track instructional and research faculty. Academic programs and research in the department encompass Human Factors Engineering and Ergonomics, Management and Systems Engineering, Manufacturing Systems Engineering, and Operations Research. The department is home to approximately 550 undergraduate students and over 200 graduate students. The undergraduate and graduate ISE programs are currently ranked third and fifth, respectively, by U.S. News & World Report. Additional information is available at: www.ise.vt.edu.

Virginia Tech is a public land-grant university, committed to teaching and learning, research, and outreach to the Commonwealth of Virginia, the nation, and the world. Building on its motto of Ut Prosim (that I may serve), Virginia Tech is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. Virginia Tech actively seeks a broad spectrum of candidates to join our community in preparing leaders for the world. The College of Engineering undergraduate program ranks 16th and graduate program ranks 30th among all U.S.



engineering schools (USN&WR). The mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship. Virginia Tech's main campus is located in Blacksburg, VA, in an area consistently ranked among the country's best places to live. In addition, our program in the Washington, D.C., area offers unique proximity to government and industry partners and is also expanding rapidly, with Virginia Tech's exciting new Innovation Campus in Alexandria, VA, slated to open in early 2025.

Applicants must apply online at jobs.vt.edu (posting number 531051). Application materials include a cover letter, CV (or resume), and contact information for at least three professional references. Review of applications will commence **on October 7, 2024** and continue until the position is filled. The expected start date is **December 2, 2024**, although this may be flexible. Telework options may be possible based on candidate location and willingness/ability to travel to Blacksburg every week to support the Senior Design Teaching Team. Questions regarding the position should be directed to Dr. Natalie Cherbaka at cherbaka@vt.edu (540-231-2435).

Virginia Tech endorses and encourages participation in professional development opportunities and [university shared governance](#). These valuable contributions to university shared governance provide important representation and perspective, along with opportunities for unique and impactful professional development.

The department fully embraces Virginia Tech's Commitment to increase faculty, staff and student diversity; to ensure a welcoming, affirming, safe and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and need an accommodation, please contact Heather Huddleston at heahudd@vt.edu or at (540) 231-9079.