TECHNISCHE UNIVERSITÄT DARMSTADT

VIRGINIA TECH

The future of mechanical engineering...

We believe that combining the innovative and forward-thinking research of Technical University of Darmstadt with the hands-on, minds-on approach of Virginia Tech to create collaborative education on a global scale, in the spirit of service, is the way forward. Our dual degree program provides opportunities for graduate students to work and learn in an intercultural environment.

GER Technical University of Darmstadt, Germany

Master of Science Program (M.Sc.)
Requirements: 120 CP

- 56 CP broad elective area
- 12 CP Studium Generale
- 12 week project internship
- Master thesis

Research Areas

- Cold Mechanical Engineering: digitization, production management, and classical areas of mechanics
- Warm Mechanical Engineering: thermodynamics, fluid dynamics, and process engineering

USA Virginia Tech Mechanical Engineering, USA

Master of Science Program (MSME)
Requirements: 30 technical credit hours

- minimum 6 credit hours research
- 3 credit hours Math/Stats
- 9 credit hours ME courses
- 15 credit hours at 5000-level or higher
- completion of a final examination

Thrust Areas for Graduate Research

- Bio, Micro, and Nano Systems
- Energy Engineering and Science
- Design, Materials, and Manufacturing
- Robotics, Autonomous, and Dynamical Systems
- Nuclear Engineering and Science

International experience, global marketability

Graduate students will be enrolled simultaneously in both programs, and course transfers will be permitted under the rules governing each program. Research is expected to extend the entire length of training.

ESP Eligibility and Application Timeline

Eligibility: students must be admitted to both programs to participate in the dual degree.

Application: German students will apply to TU-Darmstadt during the fall application cycle, and then apply to VT-ME during the first semester. Application fee waivers are available; contact megrad@vt.edu for more information.

Up to 50% of eligible coursework may be used to meet degree requirements at both campuses.

Visit tud.me.vt.edu for more information.