

Industrial & Systems Engineering Study Abroad Exchange Programs

The ISE Department participates in student exchange agreements with universities in Brazil & Germany. Students can spend one or two semesters studying at the partner university while paying VT tuition. In ISE, students take pre-approved industrial engineering courses that will transfer back to VT to meet BSISE degree requirements.

Karlsruhe Institute of Technology (KIT) Karlsruhe, Germany



The **Karlsruhe Institute of Technology (KIT)** is one of the largest and most prestigious research and education institutions in Germany and is one of the leading universities in engineering & science in Europe. For more information, go to their website at www.kit.edu/english.

Duration of Study:

September through February; March through July.

Language Requirement: Good German language skills are necessary since classes are taught in German. Completion of GER 2106 at VT or equivalent before departure is recommended. In addition to VT courses, students can learn German using VT Library resources, including the on-line MANGO program. Free and low-cost tutoring to meet students' learning needs can also be arranged.

Students arrive approximately one month before the start of the semester and will spend that time studying German in an immersion class and acclimating to the university and local community.

Program Cost: Virginia Tech tuition and fees, travel, housing and food. Students are encouraged to apply for scholarships through DAAD, VT Financial Aid and Scholarships, VT Global Education (formerly Education Abroad), and the ISE department.

Transfer Credit: Academic credit toward an ISE degree for pre-approved engineering courses. ISE courses that have been approved to transfer to VT from KIT include:

ISE 2204 Manufacturing Processes

ISE 3414 Probabilistic Operations Research

ISE 3424 Discrete-Event Computer Simulation

ISE 3624 Industrial Ergonomics

ISE 3/4xxx Technical Elective (variety of classes offered)

ECE 3054 Electrical Theory

Business courses may be applied toward the Business Minor for ISE majors. Students can identify other courses of interest and request approval before departure from VT.

Pontifical Catholic University of Parana, Curitiba, Brazil



Pontifical Catholic University of Paraná (PUCPR) is a private, not-for-profit university with a high percentage of students from different countries and a strong support infrastructure for international students. The main campus is located in Curitiba, capital city of the State of Parana, Brazil.

Duration of Study:

January through June; June through December.

Language Requirement: Good Portuguese language skills are necessary since classes are taught in Portuguese (some are taught in English). Completion of PORT 1106 at VT or equivalent before departure is recommended. In addition to VT courses, students can learn Portuguese using VT Library resources, including the on-line MANGO program, and borrow the department's copy of Rosetta Stone. Free and low-cost tutoring to meet students' learning needs can also be arranged. Exchange students typically learn the language basics fairly quickly using these resources, particularly if they had studied Spanish before.

Students arrive approximately 5 weeks before the start of the semester and will spend that time studying Portuguese in an immersion class and acclimating to the university and local community.

Program Cost: Virginia Tech tuition, travel, housing and food. Students are encouraged to apply for scholarships through VT Financial Aid and Scholarships, VT Global Education (formerly Education Abroad) and the ISE department.

Transfer Credit: Academic credit toward an ISE degree for pre-approved engineering courses. ISE courses that have been approved for transfer to VT from PUCPR include:

ISE 3214 Facilities Planning & Material Handling

ISE 3424 Discrete-Event Comp. Simulation

ISE 4204 Production Planning & Inventory Control

ISE 4424 Logistics Engineering

Business courses may be applied toward the Business minor for ISE majors. Students can identify other courses of interest and request approval before departure from VT.

Study Abroad and International Programs Points of Contact

Virginia Tech Study Abroad Opportunities

Global Education Office

526 Prices Fork Road, Room 131

540-231-5888

vtabroad@vt.edu

<http://www.educationabroad.vt.edu>

College of Engineering International Programs

Office of Global Engineering Engagement and
Research (GEER)

<http://www.eng.vt.edu/international>

ISE Faculty Advisor for PUC-Parana Brazil:

Dr. Eileen Van Aken

ISE Department Associate Department Head

250 Durham Hall; 1145 Perry Street

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ISE Faculty Advisor for KIT-Germany:

Dr. Christian Wernz

ISE Department Assistant Professor

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ISE Academic and Study Abroad Advisor

Ms. Paula Van Curen

241 Durham Hall; 1145 Perry Street

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For information on fitting a study abroad experience into the ISE Curriculum:

Ms. Paula Van Curen

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Grado Department of Industrial & Systems Engineering Bi-Lateral Exchange Programs



Spend a semester or two studying at one
of these universities!



Karlsruhe Institute of Technology

Karlsruhe, Germany

www.kit.edu/english

Pontifical Catholic University of Parana

Curitiba, Brazil

<http://en.pucpr.br/>

