Pontifical Catholic University of Parana
Curitiba, Brazil

Pontifical Catholic University of Parana or PUCPR is a private, not-for-profit Catholic university. The main campus is located in Curitiba, capital city of the State of Parana, Brazil.

Duration of Study: January thru June and/or June through November.

Language Requirement: Courses are conducted in Portuguese. Completion of PORT 1106 at VT or equivalent before departure. Students arrive approximately 5 weeks before the start of the semester and will spend that time studying Portuguese in a language 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.

Transfer Credit: Academic credit toward an ISE degree for pre-approved engineering courses. ISE courses that have been approved for transfer to Virginia Tech 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.

Student Testimonials
The classes are taught from a different perspective, with less focus on homework & tests and more emphasis on projects similar to senior design capstone classes. I found the teachers to be very knowledgeable.

Vaibhav Batheja, ISE major, Spring 2011

I had an incredible six months living, traveling, & learning in Brazil. I plan on going back because I was not able see all the sites I wanted to see and I’d love to reconnect with some of the people I met there.

Ashley Grauman, ISE major, Spring 2010

For more information, contact Paula Van Curen, ISE Academic & Program Advisor at pcuren@vt.edu

Turn over for and example plan of study for a student studying one semester at PUC-Parana.
### EXAMPLE GRADUATION CHECKSHEET FOR ISE STUDENTS STUDYING ONE SEMESTER AT PUC-PARANA

#### FALL SEMESTER FRESHMAN
- ENGL 1105 First-Year Writing  
- CHEM 1035 General Chemistry  
- CHEM 1045 General Chemistry Lab  
- MATH 1114 Linear Algebra  
- MATH 1205 Calculus I  
- ENGE 1024 Engineering Exploration

#### SPRING SEMESTER FRESHMAN
- ENGL 1106 First-Year Writing  
- PHYS 2305 Found of Physics I w/lab  
- MATH 1206 Calculus II  
- MATH 1224 Vector Geometry  
- ENGE 1104 Exploration Digital Future OR ENGE 1114 Exploration Engr Design  
- Elective

#### TOTAL
- 17

#### FALL SEMESTER SOPHOMORE
- PHYS 2306 Foundations of Physics II w/lab  
- MATH 2224 Multivariable Calculus  
- CS 1044 Introduction to Programming in C  
- ESM 2104 Statics  
- ISE 2014 Engineering Economy  
- ISE 2214 Manufacturing Processes Lab  
- ISE 2004 Intro to ISE

#### SPRING SEMESTER SOPHOMORE
- MATH 2214 Differential Equations  
- ESM 2304 Dynamics  
- STAT 4105 Theoretical Statistics  
- ISE 2034 Data Management for ISEs  
- ISE 2204 Manufacturing Processes  
- ISE 2404 Deterministic Oper Research I

#### TOTAL
- 18

#### FALL SEMESTER JUNIOR
- ECE 3054 Electrical Theory  
- STAT 4706 Statistics for Engineers  
- ISE 3414 Probabilistic Oper Research  
- ISE 3434 Deterministic Oper Research II  
- ISE 3614 Intro to Hum Factors Engr & Ergo  
- PORT 1105 Conversational Portuguese*#  

#### SPRING SEMESTER AT PUC-PARANA
- ISE 3214 Facilities Plan & Matl Handling  
- ISE 3424 Discrete-Event Sim  
- ISE 4204 Production Planning & Inventory Con.  
- ISE 4424 Logistics Engineering  
- Portuguese Language (6 week course before semester starts in March)

#### TOTAL
- 15

#### SUMMER II SEMESTER
- ISE 3624 Ind Ergo & Work Meas  
- ISE 4404 Statistical Quality Control

#### TOTAL
- 6

#### FALL SEMESTER SENIOR
- ISE 4005 Proj Mgmt & System Design  
- Electives*

#### SPRING SEMESTER SPRING
- ISE 4006 Proj Mgmt & System Design  
- ISE 4214 Lean Manufacturing  
- Electives*

#### TOTAL
- 14

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**ELECTIVES:** 16c Curriculum for Liberal Education courses; 6c ISE Technical Electives; 6c Technical Electives; 3c Free Electives (PORT 1105).

* Rosetta Stone, Mango Database, & other options for studying Portuguese can be used; they don’t count toward ISE degree.

**Disclaimer:** Courses you take at PUC-Parana will depend on what is offered during the semester you are enrolled and may be different from the courses included in this example checksheet. Courses that fulfill requirements for a Business minor or the Curriculum for Liberal Education may be taken. See Ms. Van Curen for information on your particular plan of study.