

**Pontifical Catholic University of Parana  
Curitiba, Brazil**

**Pontifical Catholic University of Paraná** 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.

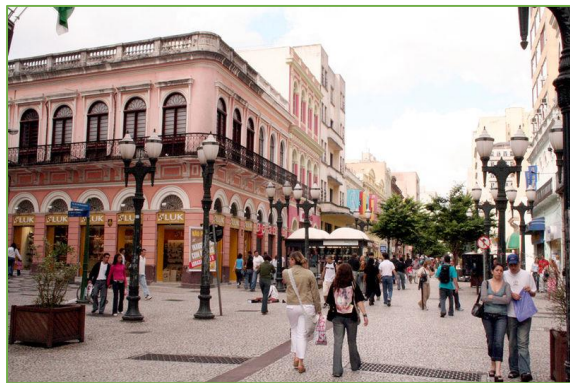
*Ashley Grauman, ISE major, Spring 2010*

**For more information, contact Paula Van Curen,  
ISE Academic & Program Advisor at [pcuren@vt.edu](mailto:pcuren@vt.edu)**

*Turn over for and example plan of study for a student studying one semester at PUC-Parana.*



*PUCPR main campus*



*Downtown Curitiba*



*Iguazu Falls*



# EXAMPLE GRADUATION CHECKSHEET FOR ISE STUDENTS STUDYING ONE SEMESTER AT PUC-PARANA

	Cr	Hr		Cr	Hs
<b>FALL SEMESTER FRESHMAN</b>			<b>SPRING SEMESTER FRESHMAN</b>		
<input type="checkbox"/> ENGL 1105 First-Year Writing	3		<input type="checkbox"/> ENGL 1106 First-Year Writing	3	
<input type="checkbox"/> CHEM 1035 General Chemistry	3		<input type="checkbox"/> PHYS 2305 Found of Physics I w/lab	4	
<input type="checkbox"/> CHEM 1045 General Chemistry Lab	1		<input type="checkbox"/> MATH 1206 Calculus II	3	
<input type="checkbox"/> MATH 1114 Linear Algebra	2		<input type="checkbox"/> MATH 1224 Vector Geometry	2	
<input type="checkbox"/> MATH 1205 Calculus I	3		<input type="checkbox"/> ENGE 1104 Exploration Digital Future OR ENGE 1114 Exploration Engr Design	2	
<input type="checkbox"/> ENGE 1024 Engineering Exploration <sup>1</sup>	2		<input type="checkbox"/> Elective*	3	
<input type="checkbox"/> Elective*	3				
<b>TOTAL</b>	<b>17</b>		<b>TOTAL</b>	<b>17</b>	
<b>FALL SEMESTER SOPHOMORE</b>			<b>SPRING SEMESTER SOPHOMORE</b>		
<input type="checkbox"/> PHYS 2306 Foundations of Physics II w/lab	4		<input type="checkbox"/> MATH 2214 Differential Equations	3	
<input type="checkbox"/> MATH 2224 Multivariable Calculus	3		<input type="checkbox"/> ESM 2304 Dynamics	3	
<input type="checkbox"/> CS 1044 Introduction to Programming in C	3		<input type="checkbox"/> STAT 4105 Theoretical Statistics	3	
<input type="checkbox"/> ESM 2104 Statics	3		<input type="checkbox"/> ISE 2034 Data Management for ISEs	3	
<input type="checkbox"/> ISE 2014 Engineering Economy	2		<input type="checkbox"/> ISE 2204 Manufacturing Processes	3	
<input type="checkbox"/> ISE 2214 Manufacturing Processes Lab	1		<input type="checkbox"/> ISE 2404 Deterministic Oper Research I	3	
<input type="checkbox"/> ISE 2004 Intro to ISE	2				
<b>TOTAL</b>	<b>18</b>		<b>TOTAL</b>	<b>18</b>	
<b>FALL SEMESTER JUNIOR</b>			<b>SPRING SEMESTER AT PUC-PARANA</b>		
<input type="checkbox"/> ECE 3054 Electrical Theory	3		<input type="checkbox"/> ISE 3214 Facilities Plan & Matl Handling	3	
<input type="checkbox"/> STAT 4706 Statistics for Engineers	3		<input type="checkbox"/> ISE 3424 Discrete-Event Comp Sim	3	
<input type="checkbox"/> ISE 3414 Probabilistic Oper Research	3		<input type="checkbox"/> ISE 4204 Production Planning & Inventory Con.	3	
<input type="checkbox"/> ISE 3434 Deterministic Oper Research II	3		<input type="checkbox"/> ISE 4424 Logistics Engineering	3	
<input type="checkbox"/> ISE 3614 Intro to Hum Factors Engr & Ergo	3		<input type="checkbox"/> Portuguese Language (6 week course before semester starts in March)	3	
<input type="checkbox"/> PORT 1105 Conversational Portuguese*#	3				
<b>TOTAL</b>	<b>18</b>		<b>TOTAL</b>	<b>15</b>	
<b>FALL SEMESTER SENIOR</b>			<b>SUMMER II SEMESTER</b>		
<input type="checkbox"/> ISE 4005 Proj Mgmt & System Design	3		<input type="checkbox"/> ISE 3624 Ind Ergo & Work Meas	3	
<input type="checkbox"/> Electives*	13		<input type="checkbox"/> ISE 4404 Statistical Quality Control	3	
<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>6</b>	
<b>FALL SEMESTER SENIOR</b>			<b>SPRING SEMESTER SPRING</b>		
<input type="checkbox"/> ISE 4005 Proj Mgmt & System Design	3		<input type="checkbox"/> ISE 4006 Proj Mgmt & System Design	2	
<input type="checkbox"/> Electives*	13		<input type="checkbox"/> ISE 4214 Lean Manufacturing	3	
<b>TOTAL</b>	<b>16</b>		<input type="checkbox"/> Electives*	9	
			<b>TOTAL</b>	<b>14</b>	

\*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.