



Rio de Janeiro -- you could be living here!

**North Carolina State University
North Carolina A&T University
Virginia Tech University**

2007 - 2011 Brazil - US Engineering Exchange Program

**Spend eight months in Brazil
studying engineering and learning Portuguese**

FIPSE Brazil Engineering Exchange Scholarships

**Take beginning Portuguese and then live in Brazil from January to August,
or August to December.**

**In Brazil you will take intensive Portuguese from January to March
(Brazilian summer) or June to July and then take engineering & Portuguese
classes March through July or August through December (Brazilian
semester).**

- Get course credit toward your engineering degree
- Earn the NCSU [International Certificate in Engineering](#)
- Become proficient in Portuguese
- Learn about Brazil and its culture, people and history

- Live in a city in the mountains or on the coast

- [Global Engineering in Today's World](#)
- [Program Description](#)
- [Engineering Courses you can take in Brazil](#)
- [Minimum Requirements to participate](#)
- [Financial Support for Students](#)
- [Brazil and the Brazilian Universities](#)
- [Joint Brazil/U.S. Engineering Design Projects](#)
- [How do I sign up?](#)

Contact your [Study Abroad Office](#) or [Dr. Robert Young](#) or [Mr. Brian Koehler](#) at NCSU, [Dr. Eui Park](#) at NCA&T, or [Dr. Vinod Lohani](#) at Virginia Tech

This project (project no. P116M020013) is sponsored in part by the Fund for the Improvement of Postsecondary Education (FIPSE), U.S. Department of Education. For more information please see the FIPSE website at www.ed.gov/offices/OPE/FIPSE/ and the U.S. Department of Education website at www.ed.gov

Global Engineering in Today's World

"At Stanford [university], career experts are urging engineering and science majors to get internships and jobs outside of their comfort zones -- in marketing, finance, sales and even consulting. **They suggest students develop foreign language skills to land jobs as cross-cultural project managers...**"

"Comp sci grads turn away from tech", CNN website
(<http://www.cnn.com/2005/TECH/biztech/06/20/techjobdecline.ap/index.html>),
Monday, June 20, 2005.

Companies in the U.S. must compete worldwide in order to be successful. Products and services must meet the sociological and technical constraints of other countries. These products and services will be designed by teams of engineers from different countries working together via direct contact and via the Internet. The engineers who will be on these teams and who will lead these teams are engineers who have lived abroad and are proficient in another language. This exchange program with Brazil is designed to provide engineering students an eight-month living experience in Brazil and proficiency in Portuguese.

Click here to get more information about [global engineering](#)

Program Description

You must be an Engineering student at NCSU, NCA&T or at Virginia Tech.

- o As a student you can take engineering or business courses in Brazil.

You have two options:

1. You take Portuguese in the fall semester and leave for Brazil the second week in January. You live in Rio de Janeiro and study Portuguese daily until the Brazilian semester begins in March. This is their summer and Carnival time. You will take two weeks off during Carnival. You will continue to study Portuguese during the Brazilian academic semester. You will take either Engineering courses or Business courses along with your Portuguese. You may take the Brazilian Government Language Certification exam. If you pass it then the Brazilian Government certifies you as proficient in Portuguese.
2. You take Portuguese in the spring semester and leave for Brazil the second week in June. You live in Rio de Janeiro and study Portuguese daily until the Brazilian semester begins in August. You will continue to study Portuguese during the Brazilian academic semester. You will take either Engineering courses or Business courses along with your Portuguese. Unfortunately, the Brazilian Language Exam is only given in April.

What you have when you complete the program

Engineering courses -- You will receive credit toward your Engineering degree for engineering courses taken in Brazil.

Business courses -- Business courses may be applied toward satisfying non-engineer degree requirements. You must check with your advisor.

Portuguese Language Certification -- If you pass the Brazilian Government Language Exam then you will receive the Brazilian Government Portuguese Language Proficiency Certificate.

The ability to travel and work in Brazil as a practicing engineer.

Courses you can take in Brazil

(These are pdf files so you need [Adobe Acrobat Reader](#))

- [Industrial Engineering Students](#) (Industrial Engineering and Business courses you can take)
- **Other Engineering Students** -- you will work with your departmental advisor and with Mr. Koehler or Dr. Young, Dr. Park or Dr. Lohani to determine the engineering courses you should take. Business courses are

also available ([Business courses you can take](#)).

The following disciplines are not available at the Brazilian universities in the exchange program: Aerospace engineering, Biological & Agricultural Engineering, Biomedical Engineering, Nuclear Engineering, Wood & Paper Science Engineering, and Textile Engineering. Consequently, students in these disciplines need to contact the program coordinator at their university to discuss what core engineering courses they could take in Brazil.

Minimum Requirements

- You will have taken two or three years of Spanish, Latin or Italian in high school, or two years in college.
- **You must be either an NCSU, NCA&T or Virginia Tech engineering student and must meet either university's study abroad requirements. Please go to the respective Study Abroad website or office for these requirements.**

[NCSU Study Abroad Office](#)
2118 Pullen Hall
(919) 515-2087

[NCA&T International Programs Office](#)
Rm A-16, C.H. Moore Building
(336) 334-7104

[Virginia Tech Education Abroad Program Office](#)
526 Prices Fork Road, room 131
(540) 231-5888

Financial Support for Students

Financial support is available for **all students** accepted into the program. This includes funds for airfare, lodging, food, and other expenses while in Brazil. You must register at your home university and pay your regular tuition yourselves. Since you pay tuition at your home university, you pay no tuition at Brazilian universities.

The financial support funds will cover a significant portion of your expenses but not all your expenses.

Rio de Janeiro is the most expensive of the three exchange cities. In Juiz de Fora and Curitiba housing costs will be less. Typical expenses for a six month engineering exchange at the Federal University of Rio de Janeiro assuming an exchange rate of US\$1.00 = R\$1.80 (please also see [Rio Expenses](#)).

Airfare -- \$1,500
Language training in Brazil -- \$500 (R\$900)

6 months stay in Brazil -- \$5,130

Housing -- \$450/month (R\$800/month)

Food (eating out) -- \$330/month (R\$600/month)

Metro -- \$45/month (R\$80/month)

Health Insurance (purchased in advance in U.S.) --
\$30/month

Total estimated program cost -- \$7,130

Brazil Engg Exchange Scholarship -- \$3,750

Student is responsible for \$3,380 of their expenses.

Brazil and the Brazilian Universities

Brazil is the largest and most populous country in South America and one of the largest countries in the world. The 48 continental states in the U.S. would fit inside Brazil with 12% of Brazil to spare. It has a population of 170 million people. It was a Portuguese colony so its language is Portuguese. It has a large indigenous Indian population and is an ethnically diverse country with people from Africa, Europe and Asia.

To find out more about Brazil and Rio de Janeiro see [Brazil](#).

You will attend one of these three Brazilian universities:

- Federal University of Rio de Janeiro (UFRJ)

UFRJ is located in Rio de Janeiro on the coast. Rio de Janeiro is a city of 8 million people, and the university is located on an island across the harbor from the city center. UFRJ has approximately 50,000 students and is a commuter campus. Its engineering school is the largest in Brazil with 227 faculty and about 5,000 engineering students. Students typically have a 30 to 45 minute commute to campus via public transportation. Details of the campus and are at [UFRJ](#).

- Federal University of Juiz de Fora (UFJF)

UFJF is located in Juiz de Fora in the mountains northwest of Rio de Janeiro. It is approximately a two-hour drive from Rio. Juiz de Fora is a city of 500,000 people, and the university is located on a mountain over-looking the city. UFJF has approximately 8,000 students. Students live in apartments next to campus and either drive or walk to campus. Details of the campus are at [UFJF](#) and of the IE department (Production Engineering in Brazil) at [IEdept](#).

- Catholic University of Parana (PUCPR)

Formally known as the *Pontificia Universidade Catolica do Parana*, it is one of the few Catholic universities certified by the Vatican. It is this certification of academic excellence that allows it to be designated as a "Pontificia Universidade". It is located in Curitiba in the Brazilian state of Parana. Curitiba has a population of 1.8 million people and is the financial center of southern Brazil. Curitiba is considered one of the best examples of urban planning in the world. At the June 1996 Habitat II summit of mayors and urban planners Curitiba was identified as the most innovative city in the world. Details of the campus are at [PUCPR](#) and of the engineering school at [engineering](#).

Applying to the program

Contact one of the following:

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