

AGREEMENT OF CULTURAL AND SCIENTIFIC  
COOPERATION BETWEEN  
THE UNIVERSITY OF FLORENCE AND RICE  
UNIVERSITY

**Student exchange program in Statistics and Data  
Science**

# DEPARTMENTS/CENTERS INCLUDED IN THE COOPERATION

- Department of Statistics, Computer Science, Applications “Giuseppe Parenti”, [University of Florence](#) along with the Florence Center for Data Science, Florence, Italy
- Department of Statistics, [Rice University](#), USA

# PURPOSE AND ACTIVITIES OF THE COOPERATION

- The Program seeks to broaden the scope of the academic curriculum, by providing a **unique learning experience for students in an overseas environment**, as well as to promote and foster sustainable cooperation between the two Institutions.
- Student exchanges for periods of study and research and other educational activities. Students will be able to design a plan of study that includes a **one or two semester period abroad**
- Exchange visits of members of teaching and research. Visits are intended to promote seminars, courses, conferences, lectures, to carry out joint research projects, to discuss experiences in fields of common interest, and so forth

# STUDENT EXCHANGE PROGRAM (LOGISTICS)

- **"Exchange Period"**: one or two consecutive academic semesters. The period of enrollment at Rice University will be during the Fall semester, from (late) August to December, and during the Spring semester, from January to May.
- For **language proficiency**, minimum requirements are a score of 100 on the TOEFL and a score of 7 on the IELTS.
- Student nominations should be made by the Home Institutions by September 15 (for students visiting during the Spring semester) and March 1 (for students visiting during the Fall semester).
- **"Full Time"** participation in the courses by the Exchange Students is required. This means students visiting Rice University must be enrolled in the equivalent of minimum 12 Rice credits while overseas.
- Call for **scholarships** should open soon, for any questions contact [francescoclaudio.stingo@unifi.it](mailto:francescoclaudio.stingo@unifi.it)

# EXAMPLES OF COURSES AT RICE UNIVERSITY

LINK (BS IN STATISTICS): [BACHELOR OF SCIENCE \(BS\) DEGREE WITH A MAJOR IN STATISTICS < RICE UNIVERSITY](#)

## CORE CURRICULUM (MS IN STATISTICS)

Probability (STAT 518)

Statistical Inference (STAT 519)

Statistical Computing and Graphics (STAT 605)

Introduction to Regression and Statistical Computing (STAT 615)

Advanced Statistical Methods (STAT 616)

## Financial Statistics and the Statistics of Risk

Computational Finance I - Market Models (STAT 686)

Applied Time Series and Forecasting (STAT 621)

Quantitative Financial Analytics (STAT 682)

## Bioinformatics, Statistical Genetics, and Biostatistics

Generalized Linear Models & Categorical Analysis (STAT 545)

Biostatistics (STAT 553)

Probability in Bioinformatics and Genetics (STAT 623)

Probability and Statistics for Systems Biology (STAT 673)

## Statistical Computing and Data Mining

Bayesian Data Analysis (STAT 622)

Multivariate Analysis (STAT 541)

Simulation (STAT 542)

Data Mining and Statistical Learning (STAT 640)

## Environmental Statistics

Quantitative Environmental Decision Making (STAT 685)

Environmental Risk Assessment & Human Health (STAT 684)

Notes: Exchange Students must complete all examinations and assessments associated with any course units for which they register. Academic credit will be given in accordance with the regulations of the Home Institution.

# STUDENT EXCHANGE PROGRAM (FINANCES)

- All students participating in the exchange program will be **exempt from the payment of tuition fees** at the host university.
- Visiting students will pay for all **personal expenses** incurred at the Host Institution, including but not limited to visa, housing, travel, meals, insurance, books and stationery required. Rice University guarantees **on-campus accommodation** for all UG exchange students.
- As a general rule, the institution sending its students to the foreign partner might help with travel, room and board expenses (in the form of **scholarships**). In case institutional funds are not available, students will be directly responsible to fully cover their own expenses.
- Participants to the exchanges must have both accident **insurance** and third party liability **insurance** for unintentional damage. Such insurance coverage may be either provided by the home institutions or by an insurance company.
- For **health insurance** the participants must provide their own insurance.