The “Research apprenticeship exchange program” is a course unit dedicated to international exchange students coming to Tours to study science and technology.

This individualized program enables students to carry out projects within a research laboratory of the Faculty of Science & Technology.

It consists of a project performed in a laboratory under the supervision of a lecturer, assistant professor or professor. The students will be evaluated by means of an oral presentation, a written report and a theory test.

The students can complete their study program with French courses for foreign students and with field courses taught in French or in English.

**Language Level**
- French: from A1 language level, i.e. “Beginning French”
- English: from B2 language level, i.e. "Upper intermediate English"

**Academic Level**
- > 3rd year Bachelor’s
- or 1st/2nd year Master’s
- > Student’s academic background should be relevant to the scientific field

**Duration**
- 1 semester: Fall or Spring

**Assessment**
- Up to 30 ECTS depending on the project

**Application**
- > Fall semester: before May 15th
- > Spring semester: before November 15th
SUPERVISED STUDENT PROJECTS
IN THE FIELD OF SCIENCE & TECHNOLOGY
FOR INTERNATIONAL EXCHANGE STUDENTS

EXAMPLE OF A STUDY PROGRAM

1

COMPULSORY:

Select a Research project in the field of Science & Technology (from 15 to 20 ECTS)

Physics: Theoretical Physics, Gravitation, Quantum field theory
Biology: Biomolecule & Plant Biotechnology, Insect Biology, Genetic instability & Cancer, Pulmonary veins & Atrial fibrillation
Chemistry: Electrolytes & Electrode materials for energy storage, Organic semiconductors & Nanostructured materials, Ionic liquids
Mathematics: Probability, Algebra, Combinatorics, Ergodic Theory, Statistics, Analysis & Geometry
Geosciences: Hydro systems & Watersheds, Soils & Sediments
Materials Science: Materials, Microelectronics, Acoustics & Nanotechnologies
Computer Science: Databases & Natural Language processing, Operations Research, Scheduling & Transportation

Contact: elisabeth.huguet@univ-tours.fr

2

OPTIONAL:
Choose some disciplinary courses taught in English or in French (from 5 to 10 ECTS)

Check at our online catalogue: http://cces.univ-tours.fr

3

OPTIONAL:
Enroll in French courses for Foreign students (from 8 to 12 ECTS)

Up to 3 courses per semester, such as Written French, Oral French, *Cultural Option

*(from B1 level in French)

4

OPTIONAL:
Take part in the Service Learning course/Intercultural exchange with French students (3 ECTS)

20 hours of conversation throughout the semester. Open to English & Spanish speaking students.