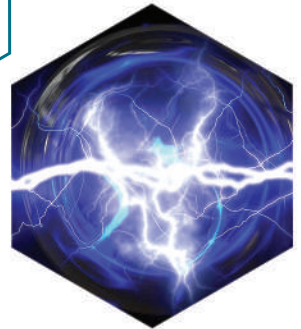
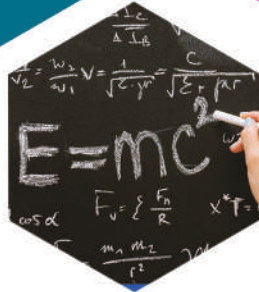
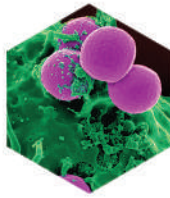


RESEARCH APPRENTICESHIP EXCHANGE PROGRAM



SUPERVISED PROJECTS IN THE FIELD OF SCIENCE & TECHNOLOGY FOR INTERNATIONAL EXCHANGE STUDENTS

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” or

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

ASSESS -MENT

Up to 30 ECTS depending on the project

APPLICA -TION

> Fall semester : before May 15th
> Spring semester : before November 15th

**SUPERVISED STUDENT PROJECTS
IN THE FIELD OF SCIENCE & TECHNOLOGY
FOR INTERNATIONAL EXCHANGE STUDENTS**

**RESEARCH
APPRENTICESHIP
EXCHANGE
PROGRAM**

**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 : Hydrosystems & 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>**

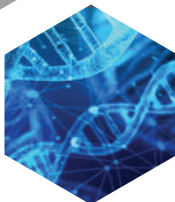
3

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.**

