

RESEARCH APPRENTICESHIP EXCHANGE PROGRAM



SUPERVISED PROJECTS IN THE FIELD OF ENGINEERING FOR INTERNATIONAL EXCHANGE STUDENTS

The “Research apprenticeship exchange program” is a course unit dedicated to international exchange students coming to Tours to study engineering sciences.

This individualized program enables students to carry out projects within a research laboratory of the Graduate School of Engineering ‘Polytech Tours’.

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, and a written report.

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

LANGUAGE LEVEL

French : from B2 language level, i.e “Upper intermediate French” or

English : from B2 language level, i.e “Upper intermediate English”

ACADEMIC LEVEL

> 1st/2nd year Master’s

> Students’ 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 July 1st

> Spring semester :

before December 1st

**SUPERVISED STUDENT PROJECTS
IN THE FIELD OF ENGINEERING
FOR INTERNATIONAL EXCHANGE STUDENTS**

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APPRENTICESHIP
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**EXAMPLE OF A
STUDY PROGRAM**

1

COMPULSORY :

Select a Research project in the field of Engineering (from 20 to 30 ECTS)

Electronics & Energy Systems :

Electronic circuits, Digital communications systems, Power electronics

Mechanics & System design :

Simulation & experiments in solid or fluid mechanics, Polymer Mechanics, Machining & additive manufacturing, Control & robotics

Spatial Planning & Environmental Engineering :

Urban & regional development strategies, Hydrology & hydraulics, Terrestrial & aquatic ecology, Ecocity development models

Computer Science :

Operations Research, Scheduling & Transportation, Pattern Recognition, Artificial Intelligence (AI)

Contact : international.polytech@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.

