

**Agreement on Cooperation Concerning the  
Exchange of Students  
Aiming for a Double Degree  
from  
École Nationale Supérieure de l'Électronique et de ses Applications  
(France)  
and  
Technische Universität Berlin Fakultät IV (Germany)**

Technische Universität Berlin Fakultät IV (hereafter referred to as TUB IV), Germany,  
and

École Nationale Supérieure de l'Électronique et de ses Applications (hereafter referred to  
as ENSEA), France,

shall offer some of their best students the opportunity to join a Double Degree Programme  
and graduate both from TUB IV and ENSEA after successfully completing the defined  
programme of engineering studies.

The awarded degrees are: "Master of Science (M.Sc.) in Electrical Engineering" at TUB IV  
and "Diplôme d'Ingénieur de ENSEA".

## **1 Objectives of the Programme**

- To enable students to become both an Electrical Engineering specialist and a multi-disciplinary engineer,
- To enable students to acquire a double European scientific and cultural education with a view to starting a fully international career,
- To enable students to graduate from both institutions and to obtain two Master degrees one from ENSEA and one from TUB.

## **2 Overall Organisation**

### **2.1 For All Students**

#### Selection and Admission of Students

The exchange of students under this agreement shall be conducted in accordance with the following principles:

- Students are selected and admitted to the exchange programme based on their academic results and motivation. The selection is carried out in collaboration between the two institutions.
- Admission of students is always at the discretion of the host institution.

Notification of exchange students is exclusively channelled through the International Offices on both sides. The deadline for notification of any exchange student for both institutions is 15<sup>th</sup> May for the current year. Both parties agree to accept as a host university each year up to five students. If more than five applicants qualify for the program, a commonly agreed solution is to be found. If necessary, consensual regulations shall be established.

### Academic Responsibility

Academic responsibility is held by the Deans of Studies at ENSEA and the TUB IV.

### Tuition Fees and Costs

Tuition fees shall be waived for Double Degree students participating in the exchange programme on both sides. However, all TUB IV students – including exchange students – are subject to payment of a fee per semester that covers a social security contribution (Sozialbeitrag) and free public transport in Berlin and the Berlin region. Similarly, all ENSEA students – including exchange students – shall pay a contribution for lecture handouts and other pedagogical costs. These compulsory fees are not tuition fees.

Students shall be responsible for the cost of travel to the host country and living costs during their stay, including accommodation, books, equipment, consumables, language tuition prior to the commencement of coursework (where necessary), student union fees (if applicable) and other expenses arising out of the exchange. Each institution may offer financial aid to their respective (outgoing) students.

### Accommodation

The host establishment shall render assistance to the host (incoming) students in finding appropriate accommodation.

## **2.2 For Students from TUB IV**

The dual degree programme is open to TUB IV students enrolled in the Electrical Engineering Bachelor programme

- who successfully completed the mandatory courses of the first four semesters in their basic studies to the extent of 120 ECTS (European Credit Transfer and Accumulation System) with a grade point average of at least 2.7,
- who completed these courses within two years, or otherwise leave no doubt as to their ability to complete the Bachelor Program in which they are enrolled in the time foreseen in the study program (Regelstudienzeit).

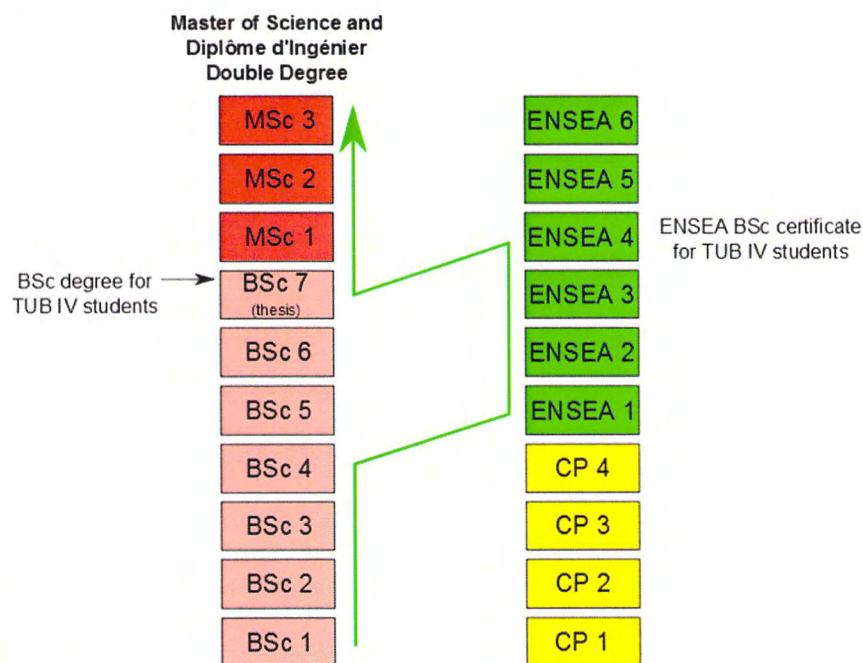
A Bachelor's degree is not awarded at this point in time.

Upon successful completion of this two-year curriculum, the selected students shall attend ENSEA in France to complete two years of multi-disciplinary engineering studies, including those in socio-economic subject areas. TUB IV students shall earn about 120 ECTS during their studies at ENSEA and shall be awarded the ENSEA Bachelor's certificate.

TUB IV students shall return to TUB IV to participate in the final semester of the Electrical Engineering Bachelor curriculum and shall write their Bachelor thesis. TUB IV shall recognize the Bachelor thesis in combination with the ENSEA Bachelor certificate as a TUB IV Bachelor degree (B.Sc. in Electrical Engineering).

TUB IV students shall then complete three semesters of the Master programme in Electrical Engineering studies, including a Master's thesis.

TUB students shall be awarded ENSEA's "Diplôme d'Ingénieur" and TUB IV's "Master of Science (M.Sc.) in Electrical Engineering" degree.



## 2.3 For Students from ENSEA

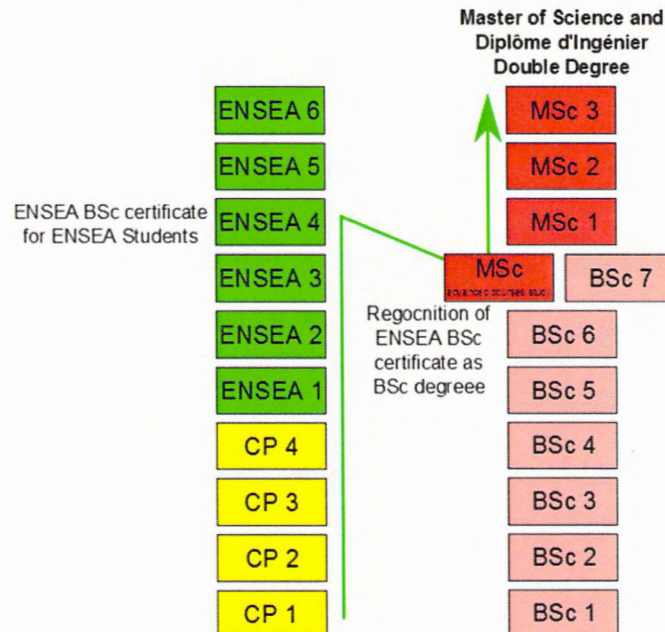
ENSEA students spend their first two years of studies in *classes préparatoires* and complete two years of multi-disciplinary engineering studies at ENSEA. After successful completion of the first four years of this curriculum ENSEA students selected for TUB IV shall first complete a one semester master basics course (Aufbaustudium) with 30 ECTS and then follow the three semesters of the Master's programme in Electrical Engineering, including the Master's thesis.

TUB IV shall recognize the ENSEA Bachelor's certificate as an entrance requirement to the Master's programme.

ENSEA students shall be awarded the "Master of Science (M.Sc.) in Electrical Engineering" at TUB IV and the "Diplôme d'Ingénieur" of ENSEA.



The TUB IV Master of Science degree shall certify 90 ECTS of master courses. The 30 ECTS master basic courses study shall be certified separately.



### 3 Prerequisites, Programme and Evaluation

#### 3.1 For the TUB IV Students at ENSEA

##### Prerequisites

- Sufficient French language skills, all courses are given in French
- Above average examination results at TUB IV
- TOEIC 780 or TOEFL IBT 80 or TOEFL ITP 560 or equivalent is required before starting master studies at TUB IV and can be fulfilled during the bachelor studies, not necessarily before joining ENSEA

##### Programme of studies

TUB students follow the programme as outlined in **For Students from TUB IV**.

##### Evaluation

- The same rules as for ENSEA students apply to TUB IV students.
- All exams related to common core courses may be retaken once. The academic success of TUB IV students is judged over a period of two years. In order to obtain their degree, they must meet the requirements for admission into the 3<sup>rd</sup> year.

### **3.2 For ENSEA Students at TUB IV**

#### Prerequisites

- Sufficient German language skills
- Above average examination results during the first 2 years in ENSEA.
- TOEFL IBT 80 or TOEFL ITP 560 or TOEIC 780 or equivalent

#### Programme of Studies

ENSEA students follow the programme as outlined in **For Students from ENSEA**.

#### Evaluation

The grading of each exam must be better than or equal to 4.0 (Scaling 1.0 (highest) - 1.3 - 1.7 - 2.0...4.0 (lowest) - 5.0 (failed)). If exams are failed they can be retaken as described in the “Prüfungsordnung” for the Master’s programme in the latest version.

The grading of the Master’s thesis is the same as for the exams.

### **4 Double Degree Award**

For both TUB IV and ENSEA students, the Engineering degrees (“Master of Science (M.Sc.) in Electrical Engineering” at TUB IV and the “Diplôme d'Ingénieur de ENSEA”) shall be awarded simultaneously after successful completion of the defined curriculum including the Master’s thesis.

### **5 Validity of this Agreement**

Four copies of this agreement have been signed, two for each institution. The agreement becomes effective upon the final signature for a period of five years. Unless one of the parties cancels the agreement it shall be continually renewed without further notice.

**Technische Universität Berlin**

The President

Prof. Dr. Jörg Steinbach

Date: 18.1.2013

**ENSEA**

The Director

Prof. Pierre Pouvil

Date:

28



**Technische Universität Berlin, Fakultät IV**

The Dean of Education

Prof. Dr. Uwe Nestmann

Date: 11-10-12

**ENSEA**

The Dean of Education

Prof. Pascal Goureau

Date:

28