

# **AGREEMENT OF INTERUNIVERSITY COOPERATION FOR THE GRANTING OF A SECOND CYCLE DOUBLE DEGREE**

## **Between**

Alma Mater Studiorum – Università di Bologna (hereafter referred to as “University of Bologna” or “Unibo”), represented by its Rector Prof. Francesco Ubertini, Via Zamboni 33 – 40126 Bologna, Italy

## **and**

Institut Supérieur d’Electronique de Paris (hereafter referred to as ISEP), represented by its General Managing Director Dr. Dieudonné Abboud, 28 rue Notre Dame des Champs, 75006 Paris, France

Together named “the Parties”

## **Provided that**

- both Universities are interested in establishing a long-term collaboration and a cultural exchange partnership;
- the Italian Ministerial Decree “DM 270/04” allows Italian universities to jointly grant degrees (2<sup>nd</sup> cycle) with other foreign universities;
- the CTI, “Commission des titres d’ingénieur” (French Education Code and especially the articles L642-1 and R642-9) has accredited ISEP to award the master engineering degree “Titre d’ingénieur diplômé”;
- the Unibo Department of Ingegneria dell’Energia elettrica e dell’Informazione “Guglielmo Marconi” – DEI and ISEP have a common interest in creating an integrated study programme with Double Degree by implementing mobility schemes based on their existing study programmes in the field of Telecommunications, by which enrolled students of each University will be able to get a double degree qualification; based upon mutual recognition of credits that the students achieve prior and during their mobility abroad and in accordance with the applicable legal regulations.
- both Universities, with their resources and funds and in accordance with the law and regulations of their respective country, shall collaborate and host all students participating in the programme, according to the regulations set in Article 3 of the present Agreement, and when needed faculty members and administrative staff who participate in the mobility programme as described in this Agreement;

## **It is agreed and stipulated as follows:**

### **Art. 1 - Preamble**

Preamble and Annexes are an integral part of this Agreement.

### **Art. 2 – Objective of the Agreement**

The Parties agree to establish a study plan with Double Degree which provides for the exchange of applicant students for the period required to earn the credits specified in the tables in Annex 1, at the end of which both Universities will grant a second cycle degree: Laurea Magistrale in Telecommunications Engineering (Bologna Campus) by University of Bologna (two years, 120 ECTS) and Diplôme d’Ingénieur by ISEP (three years, 180 ECTS).

## **Art. 3 – Students**

### **3.1 Students Exchange**

The exchange should be balanced and involve an equivalent number of students from both Universities, over a period of five years.

Both Universities agree that the number of participating students will not be more than two (2) from each university per academic year. Parties shall be able to jointly agree on a higher number of participants upon a notice exchange between the Parties.

All exams successfully passed at the host partner University by students shall be automatically recognized by the home University.

Students involved in the mobility programme shall also enjoy the benefits and shall be likewise subject to the regulations and norms which are in force in the Universities/Institutions concerned by the programme.

### **3.2 Selection of students**

Students admitted to the mobility programme will be selected by home University according to its own criteria and modalities. Students must meet the admission requirements reported in Annex 3.

Students might need to adjust their curriculum in order to fulfil the requirements of the double degree curriculum.

Each Party issues a specific call for applications describing the modalities through which students can apply as well as the requirements for the participation to the double degree programme also in compliance with requirements provided in Annex 3.

### **3.3 Enrolment and Mobility**

Students from the University of Bologna who want to attend the integrated study programme have to be regularly enrolled in the degree programme Laurea Magistrale in Telecommunication Engineering, must have an adequate knowledge of the English language as defined in Annex 3 and must be entitled of a valid visa or residence permit.

Students shall be transferred to ISEP in order to attend the teaching activities offered within ISEP Diplome d'Ingénieur in accordance with the correspondence table annexed to the present agreement (Annex 1) and with art. 4.2. Students must obtain a minimum of 60 ECTS provided by the study programme at the partner University.

Students from ISEP who want to attend the integrated study programme have to be regularly enrolled at the degree programme of Diplome d'Ingénieur, must have an adequate knowledge of the English language as defined in Annex 3 and must be entitled of a valid visa or residence permit.

Students shall be transferred to University of Bologna in order to attend the teaching activities provided by the degree programme Laurea Magistrale in Telecommunications Engineering in accordance with the correspondence table annexed to the present agreement (Annex 1) and with article 4.2.

Students must obtain a minimum of 60 ECTS provided by the study programme at the University of Bologna.

All students participating in the programme will prepare the master thesis at the host institution and will defend their final dissertation at the home institution.

### **3.4 Exemption from university admission fees**

Students will remain enrolled in their home university during the mobility period and they will be registered at the host university.

Students participating in the mobility programme shall be exempted from paying university admission fees at the host University, except for the degree granting fee if required.

During their mobility at ISEP, Unibo students have to pay an annual tax to the French State (approximately € 90 which may slightly vary over the years).

All other charges, including health insurance, shall be borne by the students themselves.

### **3.5 Certifications**

Host Universities shall release and grant each mobility programme student a Transcript of Records indicating his/her attended teaching activities and his/her academic performances and number of credits obtained at the partner University.

### **3.6 Insurance obligation**

The Parties state that their respective regularly admitted students are insured against any accident that they may suffer during their period of stay abroad for the activities concerned by this Agreement and that they are insured for legal liability against damage which they may involuntarily cause to third party (people or their properties).

### **3.7 Services offered**

Students participating into the mobility programme shall benefit from all services offered by the host University to its regular enrolled students.

### **3.8 Fellowship**

Each University can grant the available fellowships to their students who intend to participate into the study programme, on the basis of a proper selection procedure.

## **Art. 4 – Didactics**

### **4.1 Study programme**

The common integrated study programme is attached to this Agreement (correspondence table – Annex 1).

Language of instruction within the programmes will be:

- at ISEP: English,
- at University of Bologna: English.

Study programme covers all the period from the beginnings of study to the last exams, to include the degree.

Exams and study period duration shall be organized in a balanced form and shall find justification and validation in both partner Universities, according to the provisions of articles 2, 3 and 4, and to bonds included in the attached study programme.

It can be modified by mutual consent between the Parties, to no detriment of students already enrolled.

### **4.2 Mobility**

#### **4.2.1 Unibo students**

Unibo students involved in the Double Degree programme attend the first year at their home University. In the second year they are transferred to ISEP in the correspondent third year of the Diplôme d'Ingénieur.

First year of the French Master is considered as recognized to Unibo students considering the first cycle degree already obtained by them.

Students have to obtain a minimum of 60 ECTS at ISEP, as described in the annexed correspondence table.

Afterwards Unibo students will have to complete a research period in preparation to their final thesis at the end of their second semester at ISEP, to be carried on till the end of September. Finally, they will return to Unibo for the final examination.

Unibo students who don't complete the Programme by not attending the research period, even though they have obtained 60 ECTS at the end of the year attended at ISEP, will obtain a transcript in order

to certify all the activities passed. They can return to Unibo where all the credits earned at the partner university will be recognized and where they can discuss the final thesis according to Unibo final exam sessions and rules.

#### **4.2.2 ISEP students**

ISEP students attend the first and second year of their degree programme Diplome d'Ingénieur at their Home University.

At the time of their arrival in Unibo, ISEP students have already attended two years of preparatory classes as well as the first and the second year of their three-years degree programme for a total of 240 ECTS. In particular, 180 ECTS of the above mentioned 240 ECTS are evaluated for admission to the Laurea Magistrale Telecommunications Engineering at Unibo: by submitting the certification attesting the achievement of 180 ECTS, students from ISEP will be admitted to the 2<sup>nd</sup> cycle degree program of UNIBO. The evaluation of the 180 ECTS is valid only for the access to the 2<sup>nd</sup> cycle of the Italian degree program as it doesn't provide for the award of an Italian 1<sup>st</sup> cycle degree.

The first year of Laurea Magistrale is recognised referring to activities carried out at ISEP during both the first and the second year of Master.

When in Bologna, ISEP students will attend teaching activities of the Laurea Magistrale second year obtaining a minimum of 60 ECTS. Finally, they will return to ISEP for the final examination.

#### **4.3 Use of ECTS and grading tables**

The Parties agree to use the ECTS grading system on the basis of a grading table yearly defined by the Partner Universities.

#### **4.4 Award of the degree qualifications**

Students participating in the integrated study programme obtain the degree qualification - Laurea Magistrale/Master - at the home university and they can require the award of the degree at the other partner university on the basis of the related correspondence table annexed to this agreement, by submitting the relevant academic documentation as soon as the articles 3.3 and 4.2 has been fulfilled. References offices for students participating in the double degree programme are listed in the Annex 2 to this Agreement.

Students who finally fail in one or more exams at the partner university will not receive the degree of the partner University. Such students can complete their studies at the home university, where all credits earned at the partner university will be recognized.

### **Art. 5 – Exchange of faculty members and administrative staff**

#### **5.1 Exchange modalities**

Both Universities shall regulate the reception and employment of faculty members and administrative staff participating into the mobility programme under this Agreement, in conformity with the law and juridical rules in force in the country concerned under the exchange.

Personnel concerned under this Agreement will continue to comply with the contractual obligations with the home University and will continue to receive the due remuneration and to benefit from the rights they are entitled of for their juridical position, according to the legislative norms existing in the home country.

In any case, the home University shall consider the duration of the stay as ordinary service period for all purposes.

#### **5.2 Activities for teachers and administrative personnel**

Faculty members and researchers can hold courses and lectures, carry out tutorship activities, participate in seminars, be part of exam, final thesis and doctorate commissions at the partner

University, and take part into research activities and meetings for student exchange programme planning, evaluation and development, held at the partner University.

The administrative staff will have the possibility of participating in meetings for student exchange programme planning, evaluation and development and will be able to carry out special visits in order to analyse the management systems operating at the partner University.

The Parties agree that all the financial agreements will have to be negotiated and will depend on the availability of funds. For the expenses concerning the mobility of teaching staff members and research fellows, each university will cover all the costs for their own professors and research fellows according to the availability of Erasmus Plus Programme funds or other funds for research.

During their period at the hosting University, the faculty members and the researchers participating in said exchange, to carry out the above-mentioned activities, shall be considered as staff “on a mission” abroad.

### **5.3 Insurance obligation**

The Parties state that their employees and staff (teachers and administrative personnel) will be insured against accidents that they may suffer during their stay abroad, for the activities under this Agreement, and for the civil liability for damage which they may involuntarily cause to third parties (people or their properties).

### **Art. 6 – Prevention and security**

Both parties shall supply each mobility programme participant with detailed information about the specific risks existing in the work environment in which they will operate and carry out their function and with necessary documentation about the prevention and emergency security measures and provisions in force in relation to their activity and about the individuals/subjects in charge of this, in conformity with the legislative norms and regulations in force in the country of the hosting University.

### **Art. 7 – Use of name / Logo**

Each party may use the logos, names and other marks of the other parties only in connection with the programme. Each party anticipates the other party’s participation in press announcements, marketing and other reasonable promotional activities involving the double-degree programme through the appropriate use of the logos, names and marks of the parties.

### **Art. 8 - Intellectual Property**

Each of the parties acknowledges and agrees that any and all of the Intellectual Property Rights or other proprietary rights in respect of any literature, materials, research or teaching methods, procedures, processes and/or the learning experience in relation to or in connection with the Programme and any parts thereof, are and shall remain the sole property of its owner and, save as expressly set out herein, nothing in this Agreement is intended to transfer ownership or create any licensed rights under any such Intellectual Property Rights or other proprietary rights.

The learning materials and any other literature, materials, research methods, procedures, processes or programmes in which a party has Intellectual Property Rights relating to or in connection with the Programme and which are disclosed to the other party pursuant to this Agreement may be used by the other party solely for the purposes of performing its obligations under, and during the period of, this Agreement and for no other purpose.

### **Art. 9 – Other activities**

The Parties can extend the cooperation agreement for other purposes beyond the student exchange. Further cooperation projects, including intensive courses, distance teachings, joined researches, organization of seminars, symposia, and interviews on common interest topics and all other activities consolidating the cooperation, will be encouraged by both parties. These projects will be subject to specific addenda to this Agreement document, which will be stipulated by both parties.

Both parties agree to promote this programme in their catalogues and websites. All costs will be maintained by the individual institutions, unless otherwise specified in writing and agreed upon by both parties.

#### **Art. 10 – Responsible for the Agreement**

Each University shall appoint a coordinator for the Cooperation Agreement.

#### **Art. 11 – Evaluation of the programme**

The Parties will consult each other when appropriate, but at least once a year, in order to evaluate the programme development, to draw up a report about the ongoing initiatives and to elaborate other cooperation programmes.

#### **Art. 12 – Controversies**

In the event of any controversy arising from this agreement the Parties will endeavour to resolve the matter amicably and in good faith.

#### **Art. 13 – Duration of the Agreement**

This Agreement will operate from the last date of signing and will be effective for a period of five years from academic year 2020/21. Thus, the first group of students from both institutions will be involved in mobility in academic year 2021/22, whereas the last group will be involved in mobility in academic year 2024/25. This Agreement may be extended by mutual written agreement between the Parties.

This Agreement may be terminated at the request of either party provided that a minimum of six months' prior written notice is given to the other party to enable satisfactory arrangements to be put in place for existing Students, and those to whom an offer of a place on the Programme has been formally made. Both parties shall be equally responsible for such arrangements. Any modification or termination of the Agreement shall be carried out in such a way as to ensure no damage for the participants in the programmes already underway. If any of the partner institutions wishes to withdraw, it must be guaranteed that all the students admitted to this institution will be able to complete their studies in the normal way.

Annexes can be modified by mutual consent between the Parties in writing, to no detriment to the students already enrolled.

#### **Art. 14 – Copies and language**

This Agreement is subscribed in two originals in English language.

Bologna, date \_\_\_\_\_

ALMA MATER STUDIORUM – UNIVERSITÀ DI BOLOGNA  
The Rector

\_\_\_\_\_

Paris, date \_\_\_\_\_

ISEP  
Managing General Director

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# ANNEX 1

## CORRESPONDENCE TABLE

STUDENTS ENROLLED AT ISEP							
FIRST YEAR at ISEP							
	<i>Equivalence at UNIBO</i>	Hours	ECTS	SSD	Type	<i>Courses at ISEP</i>	ECTS
<b>39 CFU TYPE B</b>	35167 - Communications Systems: theory and measurements M	90	9	ING-INF/03	B	IG2307 - Data Acquisition and Processing + IR1101 - Network fundamentals	9
	87203 - Mobile Radio Networks M	60	6	ING-INF/03	B	IT2302 - Cellular and IoT Networks	5
	73548 - Wireless Sensor Networks M	60	6	ING-INF/03	B	IT2401 - IoT Networks Design	5
	75477 - Optical Fiber Systems M	60	6	ING-INF/02	B	Digital System Project ( IE1101 - Electronics and Signal Processing, II1201 - Computer Science and Telecommunications, IC1201 - System Integration)	23
	82072 - Antennas for Wireless Systems M	60	6	ING-INF/02	B		
	87202 - Communication Theory and Coding M	60	6	ING-INF/03	B		
<b>12 CFU TYPE C</b>	84442 -High Frequency Electronic Circuits M	60	6	ING-INF/01	C	IE2307 - Electronics of things	5
	73545 - Mathematical Methods M	60	6	MAT/05	C	II2314 - Data bases and big data	5
<b>3 CFU TYPE D</b>	81799 - Project management and soft skills	30	3	ING-INF/03	D	IH2303 - Management Training	3
<b>6 CFU TYPE F</b>	37120 - Trends in Communications M + 87771 - Laboratory of Networking T	60	6	ING-INF/03	F	II2317 - Cyber Security or II2313 - Data Analysis	5
<b>TOTAL CFU</b>			<b>60</b>				<b>60</b>

SECOND YEAR IN BOLOGNA							
	<i>Courses at UNIBO</i>	Hours	ECTS	SSD	Type	<i>Equivalence at ISEP</i>	ECTS
<b>21 CFU TYPE B</b>	82089 - Radio protection and spectrum management M or 87205 - Technology and applications for wireless power transfer M or 82090 - Satellite communications and navigation systems M	60	6	ING-INF/02 or ING-INF/03	B	IT3501 - Information Processing & High-Speed Networks	5
	82071 - Network Design M	60	6	ING-INF/03	B	IR2401 - Network routing and switching	5
	82069 - Electromagnetic Propagation for Wireless Systems M	90	9	ING-INF/02	B	IR3504 - Virtual Architecture + IE3515 - Connected Vehicles	10
<b>9 CFU TYPE D</b>	87216 - Big Data Communications M	60	6	ING-INF/03	D	IE3510 - Systems Constraints and Implementation	5
	73387 - Creativity and innovation	30	3	ING-INF/03	D	IX2421 - International Business Innovation Project	5
<b>30 CFU</b>	75492 - Software Development M	30	3	ING-INF/03	D	AP3610 - Final Year Project	30
	(90375 - Laboratory of wireless communications M and 75493 - Protocols and architectures for space networks) or 82091 - Internship in ICT M	60	6	ING-INF/03	F		
	90053 - Preparation for the final examination abroad		21		E		
<b>TOTAL CFU</b>			<b>60</b>				<b>60</b>



**STUDENTS ENROLLED AT UNIBO**

FIRST YEAR IN UNIBO							
	<i>Courses at UNIBO</i>	Hours	ECTS	SSD	Type	<i>Equivalence at ISEP</i>	ECTS
<b>48 CFU TYPE B</b>	35167 - Communications Systems: theory and measurements M	90	9	ING-INF/03	B	IG2307 - Data Acquisition and Processing + IR1101 - Network fundamentals	9
	82071 - Network Design M	60	6	ING-INF/03	B	IR2401 - Network routing and switching	5
	87203 - Mobile Radio Networks M	60	6	ING-INF/03	B	IT2302 - Cellular and IoT Networks	5
	82069 - Electromagnetic Propagation for Wireless Systems M	90	9	ING-INF/02	B	IR3504 - Virtual Architecture + IE3515 - Connected Vehicles	10
	87202 - COMMUNICATION THEORY AND CODING M	60	6	ING-INF/03	B	Digital System Project ( IE1101 - Electronics and Signal Processing, II1201 - Computer Science and Telecommunications, IC1201 - System Integration)	18
	75477 - Optical Fiber Systems M	60	6	ING-INF/02	B		
	82072 - Antennas for Wireless Systems M	60	6	ING-INF/02	B		
<b>6 CFU TYPE F</b>	37120 - Trends in Communications M	30	3	ING-INF/03	F		6
	73387 - Creativity and innovation M	30	3				
<b>6 CFU TYPE C</b>	73545 - Mathematical Methods M or 69441 - Optimization Models and Algorithms M	60	6	MAT/05 or MAT/09	C	IF1204 - Sciences for Digital Systems + IF1105 - Data Science Fundamentals	6
<b>TOTAL CFU</b>			<b>60</b>				<b>60</b>
SECOND YEAR IN ISEP							
	<i>Equivalence at UNIBO</i>	Hours	ECTS	SSD	Type	<i>Courses at ISEP</i>	ECTS
<b>12 CFU TYPE B</b>	73548 - Wireless Sensor Networks M	60	6	ING-INF/03	B	IT2401 - IoT Networks Design	5
	69494 - Multimedia Services and Applications M	60	6	ING-INF/03	B	IR3504 - Convergent Services and Technologies	5

<b>6 CFU TYPE C</b>	84442 -High Frequency Electronic Circuits M	60	6	ING-INF/01	C	IE2407 - Electronics of things	5
<b>12 CFU TYPE D</b>	6 CFU ING-INF/03	60	6	INF-INF/03	D	IR3505 - Advanced Routing and Architectures	5
						I13510 - Mobile Applications Development	5
	6 CFU ING-INF/03 or 6 CFU ING-INF/05	60	6	ING-INF/03 or ING-INF/05	D	IG3510 - Machine Learning or I12417 - Cyber Security	5
<b>27 CFU</b>	75492 - Software development M + 75493 - Protocols and architectures for space networks) or 82091 - Internship in ICT	60	6	ING-INF/03	F	IZP0002 - Research Module 2	6
						IZP0001 - Research module 1 or MGC102 - Language skills	4
	90053 - Preparation for the final examination abroad		21		E	IZP0003 - Research Project at ISEP Summer term	20
<b>Total recognised</b>			57				60
			3				
<b>TOTAL CFU</b>			60				


Study plan for students enrolled at UNIBO

Study plan for students enrolled at ISEP

## **ANNEX 2**

### **Reference offices for students participating in the double degree programme**

#### **Alma Mater Studiorum – Università di Bologna:**

Office: Settore Servizi Didattici “Ingegneria-Architettura”

Address: Viale del Risorgimento 2 – 40136

Ph.: +39 051 20 9 3648

E-mail: [didattica.ingegneria-architettura@unibo.it](mailto:didattica.ingegneria-architettura@unibo.it)  
[dei-ufficiodidattico@unibo.it](mailto:dei-ufficiodidattico@unibo.it)

#### **ISEP**

Office: Office of International Relations

Address: 10 rue de Vanves, 92130 Issy-Les-Moulineaux

Ph.: +33 1 4954 5224

E-mail: [thomas.ea@isep.fr](mailto:thomas.ea@isep.fr)

## ANNEX 3

### Student selection procedure

Each Party issues a specific call for applications describing the modalities through which students can apply as well as the requirements for the participation to the double degree programme. All Students need to fulfil the regular admission requirements of both partners in compliance with the following requirements. The call for applications will close every year at latest by March 30<sup>th</sup>.

Students from Unibo who want to apply for the integrated study programme have to follow a two steps procedure.

In a first step Students need to apply for the program at Unibo at latest by **March 30<sup>th</sup>**:

In order to apply, students must be enrolled at “Laurea Magistrale in Telecommunication Engineering”.

Students will be informed before **April 30<sup>th</sup>** about their application status (eligible, not eligible).

**Not later than the end of July**, Unibo will provide the list of eligible students to ISEP.

In order to be able to enter the mobility programme students need to show the necessary proof of the following requirements:

- must be entitled to a valid visa or residence permit covering the whole mobility period abroad;
- must have earned 54 over 60 of the first study year (the remaining 6 credits need to be earned in September before they start the semester at ISEP) at Unibo and have achieved an average mark equal or over 24 (over 30);
- must have an adequate knowledge of the English language at a level not lower than B2+ (as proved by an internationally recognized certificate or equivalent qualification obtained at Unibo).

Only students who fulfilled all above listed requirements will be selected for the mobility phase. Possible exceptions and solutions will be discussed and agreed among the coordinators of the Agreement. Any documents and certificates concerning students enrolled at Unibo, as reported in article 3.3, will be directly transmitted to ISEP by Unibo offices.

Students from ISEP who want to apply for the integrated study programme have to follow a two steps procedure.

In a first step Students need to apply for the program at ISEP at latest by **March 30<sup>th</sup>**:

In order to apply, students must be enrolled at the third year of Diplome d’Ingénieur at ISEP.

Students will be informed before **April 30<sup>th</sup>** about their application status (eligible, not eligible).

**Not later than the end of July**, ISEP will provide the list of eligible students to Unibo.

In order to be able to enter the mobility programme students need to show the necessary proof of the following requirements:

- must be entitled to a valid visa or residence permit covering the whole mobility period abroad;
- must have earned 54 over 60 of the first study year (the remaining 6 credits need to be earned in September before they start the semester at Unibo) at ISEP and have achieved an average mark equal or over 14 (over 20);
- must have already attended two years of preparatory classes as well as the first and the second year of their three-years degree programme for a total of 240 ECTS. In particular, they must submit the certification attesting achievement of 180 ECTS of the above mentioned 240 ECTS, to be recognized for admission to the 2<sup>nd</sup> cycle degree programme of UNIBO.

- must have an adequate knowledge of the English language at a level not lower than B2 (as proved by an internationally recognized certificate or equivalent qualification obtained at Unibo).

Lectures for students involved in this programme start at around mid-September both at Unibo and ISEP.