

Learning Agreement

Student Mobility for Studies

- Encabezado del documento:** Completa el encabezado con tu nombre y apellidos en : *[Student's name]*
- Student information:** Rellena la tabla con la siguiente información
 - Tus datos e información personal,
 - El ciclo en el que vas a cursar tu movilidad (*Study cycle*) : Bachelor o Master. Si vuestra movilidad es de grado, debéis poner **Bachelor**, aunque hagáis en destino asignaturas de máster.
 - El campo de educación (*Field of education*) con el código correspondiente.
 - Para Ingeniería de Telecomunicaciones válidos son 0713, 0714 (Electrical Engineering) o 0610 (Computer Science).
 - Para el grado de Ingeniería Biomédica el código es 0914.
 - Para Ingeniería de Datos es válido cualquier código del grado de Telecomunicaciones.

Student*	Last name(s)	First name(s)	Date of birth	Nationality ¹	Sex [M/F]	Study cycle ²	Field of education ³

3. Sending Institution

Esta fila de la tabla tiene los datos rellenados por defecto. Ya están actualizados, aseguraos de que no se han movido o cambiado al descargar el archivo Word.

Sending Institution	Name	Faculty/Department	Erasmus code ⁴ (if applicable)	Address	Country	Contact person name ⁵ ; email; phone
	Universidad Politécnica de Madrid	ETSI Telecomunicación	E MADRID05	Avda. Complutense, 30 28040 Madrid	SPAIN	Jesús Fraile international.etsit@upm.es +34 910671958

4. Receiving Institution

Para rellenar esta fila, consultad los datos en las **fact Sheets** (<http://www.etsit.upm.es/internacional/estudiantes-etsit-upm/informacion-de-universidades-socias.html>), las webs de las universidades de destino o enviar un correo a destino y preguntarles directamente.

Receiving Institution	Name	Faculty/ Department	Erasmus code (if applicable)	Address	Country	Contact person name; email; phone

5. Before the mobility :

- En el Periodo planeado de Movilidad ten en cuenta los meses del Acuerdo. No se pueden superar.

TABLE A – Study programme at the Receiving institution : Rellenar una a una cada asignatura, su correspondiente código, los créditos y el semestre. Indicar el nivel de idioma en el que se imparten

EJEMPLO :

Inicio		Evaluar		Ayuda		S			
Email:	v.loureiro@alumnos.upm.es v.loureiro11@gmail.com	TTT4215	Antenna Engineering	7.50	obl	95000044	COMUNICACIONES MÓVILES	6.00	obl
Convocatoria:	2018-19	TTT4130	Digital Communication	7.50	obl				
Plan:	Grado en Ingeniería de Tecnologías y Servicios de Telecomunicación	TTT4205	Microwave Techniques	7.50	obl	95000086	FOTÓNICA DE CONSUMO	4.50	opt
Itinerario:	Sistemas de Telecomunicación	TTTM4133	Mobile Networks and Services	7.50	obl				
Destino:	Norwegian University of Science and Technology (NTNU)	TFE4570	Nanoelectronics and Photonics, Specialization Project	15.00	obl	95000040	MICROONDAS	4.50	obl
Modalidad:	Cuarto curso + TFG	TTT4150	Navigation Systems	7.50	obl	95000090	NANOTECNOLOGÍA PARA LA INFORMACIÓN Y LAS COMUNICACIONES	4.50	opt
Modalidad (Código):	GITST-C4-A-TFG	TT8205	Nonlinear Microwave Components	7.50	obl				
Estado del proyecto:	ACEPTADO	TTT9145	Radio Communications	7.50	obl	95000041	RADIOCOMUNICACIONES	6.00	obl
Fecha de solicitud:	05/11/2017 01:15	8 asignatura(s). Total créditos:		67.5		95000045	SISTEMAS DE RADIODETERMINACIÓN	4.50	obl
Fecha de envío:	02/12/2017 13:29	67.5 (obl) + 0.0 (opt)				95000047	SUBSISTEMAS DE RADIOFRECUENCIA	4.50	obl
Fecha de actualización:	17/12/2017 21:59					95000012	TRABAJO DE FIN DE GRADO	12.00	obl
Fecha aceptado:	17/12/2017					95000042	TRANSMISIÓN DIGITAL	6.00	obl
Documentos asociados:	Documento de justificación de competencias	10 asignatura(s). Total créditos:		67.0		49.0 (obl) + 9.0 (opt)			

Study Programme at the Receiving Institution

Table A Before the mobility	Study Programme at the Receiving Institution			
	Planned period of the mobility: from [day/month/year] to [day/month/year]			
	Component code (if any) ⁶	Component title at the Receiving Institution (as indicated in the course catalogue ⁷)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) ⁸ to be awarded by the Receiving Institution upon successful completion
				Total: ...
	Web link to the course catalogue at the Receiving Institution describing the learning outcomes: [web link to the relevant information]			

Rellenar el **Idioma de instrucción** y marcar el **Nivel**

The level of language competence⁹ in _____ [indicate here the main language of instruction] that the student already has or agrees to acquire by the start of the study period is: A1 ☐ A2 ☐ B1 ☐ B2 ☐ C1 ☐ C2 ☐ Native speaker ☐

TABLE B – Recognition at the Sending Institution

CASO 1: Cuarto curso (GITST/ GIB) o Máster: Incluir Bloques de Progr. de Intercambio. Incluir varios bloques que sumen el total de créditos matriculados (Ver ejemplo). Puedes consultar los distintos tipos de bloques aquí. [ETSI de Telecomunicación: Bloques de Programa de Intercambio \(upm.es\)](https://www.upm.es/ETSI-Telecomunicacion/Bloques-Programa-Intercambio).

IMPORTANTE PARA 4º DE GRADO GITST AÑO COMPLETO: DEBES seleccionar el bloque de tu itinerario.

EJEMPLO:

Alumno:	VICTOR LOUREIRO ALUMOS
Email:	v.loureiro@alumnos.upm.es v.loureiro11@gmail.com
Convocatoria:	2018-19
Plan:	Grado en Ingeniería de Tecnologías y Servicios de Telecomunicación
Itinerario:	Sistemas de Telecomunicación
Destino:	Norwegian University of Science and Technology NTNU
Modalidad:	Cuarto curso + TFG
Modalidad (Código):	GITST-C4-A-TFG
Estado del proyecto:	ACEPTADO
Fecha de solicitud:	05/11/2017 01:15
Fecha de envío:	02/12/2017 13:29
Fecha de actualización:	17/12/2017 21:59
Fecha aceptado:	17/12/2017
Documentos asociados:	Documento de justificación de competencias (Plantilla PF)

Cod.	Desc.	Cred	Cod.	Desc.	Cred
TTT4215	Antenna Engineering	7.50 obl	95000043	ANTENAS	4.50 obl
TTT4130	Digital Communication	7.50 obl	95000044	COMUNICACIONES MÓVILES	6.00 obl
TTT4205	Microwave Techniques	7.50 obl	95000086	FOTÓNICA DE CONSUMO	4.50 opt
TTTM4133	Mobile Networks and Services	7.50 obl	95000040	MICROONDAS	4.50 obl
TFE4570	Nanoelectronics and Photonics, Specialization Project	15.00 obl	95000090	NANOTECNOLOGÍA PARA LA INFORMACIÓN Y LAS COMUNICACIONES	4.50 opt
TTT4150	Navigation Systems	7.50 obl	95000041	RADIOCOMUNICACIONES	6.00 obl
TT8208	Nonlinear Microwave Components	7.50 obl	95000045	SISTEMAS DE RADIODETERMINACIÓN	4.50 obl
TTT4145	Radio Communications	7.50 obl	95000047	SUBSISTEMAS DE RADIOFRECUENCIA	4.50 obl
8 asignatura(s). Total créditos: 67.5 48.0 (obl) + 9.0 (opt)			95000082	TRABAJO DE FIN DE GRADO	12.00 obl
			95000042	TRANSMISIÓN DIGITAL	6.00 obl
			10 asignatura(s). Total créditos: 57.0 48.0 (obl) + 9.0 (opt)		

Recognition at the Sending Institution				
Table B Before the mobility	Component code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Semester [e.g. autumn/spring; term]	Number of ECTS credits (or equivalent) to be recognised by the Sending Institution
	95000257	Programas de Intercambio Obl Itin Sistemas de Telecomunicación		6
	95000182	Programas de Intercambio Obl Itin 4º curs 1er semestre 30 ects		30
	95000185	Programas de Intercambio optativas 4º curso 3ects		3
	95000186	Programas de Intercambio optativas 4º curso 6ects		6
	95000082	Trabajo Fin de Grado		12
				Total: ...57
Provisions applying if the student does not complete successfully some educational components: [web link to the relevant information]				

MODALIDAD: Cuarto curso (itinerario de Sistemas de Telecomunicación) + TFG

MATRICULA = 48.0 ECTS (obl) + 9.0 ECTS (opt) = 57.0 ECTS

COMPONENTES DE LA TABLA B:

Component title: PROGRAMAS DE INTERCAMBIO OBL ITIN SISTEMAS DE TELECOMUNICACIÓN

Component Code: 95000257

Number of ECTS: 6

Semester: First Semestre

Bloque de Itinerario de Sistemas de Telecomunicación ya que la movilidad en este caso va a ser anual.

Component title: PROGRAMAS DE INTERCAMBIO OBL.ITIN.4ºCURSO 1ER SEMESTRE 30ECTS

Component Code: 95000182

Number of ECTS: 30

Semester: First Semestre

4.50 ECTS (Antenas) + 6ECTS (Comunicaciones) + 4.5 + 4.5 + 4.5 + 6 = 30 ECTS ☐ Bloque de 30 créditos de carácter obligatorio 1er Semestre.

Component title: TRABAJO FIN DE GRADO

Component Code: 95000082

Number of ECTS: 12

Semester: Second Semestre

Trabajo de Fin de Grada (TFG)☐ 12 ECTS

Component title: PROGRAMAS DE INTERCAMBIO OPTATIVAS 4ºCURSO 6ECTS

Component Code: 95000186

Number of ECTS: 6

Semester: Second Semestre

Component title: PROGRAMAS DE INTERCAMBIO OPTATIVAS 4ºCURSO 3ECTS

Component Code: 95000185

Number of ECTS: 3

Semester: Second Semestre

6 ECTS OPTATIVOS + 3 ECTS OPTATIVOS = 9ECTS de carácter optativo.

Finalmente, los bloques son: 6 ECTS + 30 ECTS + 12 ECTS (OBLIGATORIOS) + 9ECTS (OPTATIVOS) = 48.0(obl) + 9.0(opt) = 57.0 Total créditos.

CASO 2: Tercer curso de GITST y GIB y cuarto curso de Grado de DATOS (GSID): Incluir cada asignatura con sus créditos correspondientes hasta completar el total de créditos matriculados. Para los créditos optativos incluir bloque(s) de programa de intercambio de carácter optativo. Consultar los bloques, créditos y sus respectivos códigos: [ETSi de Telecomunicación: Bloques de Programa de Intercambio \(upm.es\)](https://appserv.etsit.upm.es/oficio-inter/evaluacion/movilidad/proyectos/manage.htm?id=4357).

https://appserv.etsit.upm.es/oficio-inter/evaluacion/movilidad/proyectos/manage.htm?id=4357

Inicio Movilidad Evaluar Gestión Ayuda Salir

Proyecto formativo para "Czech Technical University CTU"

Información proyecto formativo

Evaluador asignado: JUAN MANUEL MONTERO MARTINEZ

Alumno: _____

Email: _____

Convocatoria: 2023-24

Plan: Grado en Ingeniería de Tecnologías y Servicios de Telecomunicación

Itinerario: Sin definir

Destino: Czech Technical University CTU

Modalidad: Tercer curso

Modalidad (Código): GITST-C3-A

Estado del proyecto: ACEPTADO

Fecha de solicitud: 12/11/2022 16:25

Fecha de envío: 18/01/2023 16:32

Fecha de actualización: 19/01/2023 17:17

Fecha aceptado: 19/01/2023

Documentos asociados: [Documento de justificación de competencias \(Plantilla PF\)](#)

Contrato de aprendizaje - Syllabus de asignaturas

Czech Technical University CTU			Universidad Politécnica de Madrid		
Cod.	Desc.	Cred	Cod.	Desc.	Cred
BE2M32PST	ADVANCED NETWORKING TECHNOLOGIES	6.00 obl	95000025	CIRCUITOS ELECTRONICOS	3.00 obl
BE2M31ANT	ANTENNAS	6.00 obl	95000036	COMUNICACIONES OPTICAS	4.50 obl
BE5B16EPD	BUSINESS ECONOMICS	4.00 obl	95000013	ELECTROMAGNETISMO	4.50 obl
BE5B35APO	COMPUTER ARCHITECTURE	6.00 obl	95000037	ELECTRONICA DE COMUNICACIONES	4.50 obl
BE2B32DIT	DIGITAL ENGINEERING	4.00 obl		Optativa	10.00 opt
BE2M31DSPA	DIGITAL SIGNAL PROCESSING	6.00 obl	95000032	ORGANIZACION DE EMPRESA	4.50 obl
BE5B17EMT	ELECTROMAGNETIC FIELD THEORY	6.00 obl	95000035	RADIACION Y PROPAGACION	3.00 obl
BE2M37MAM	MICROPROCESSORS	6.00 obl	95000031	REDES DE ORDENADORES	4.50 obl
BE2M32OSS	OPTICAL SYSTEMS AND NETWORKS	6.00 obl	95000034	SISTEMAS DE ENERGIA	4.50 obl
BE2B37ROZ	RADIO CIRCUITS AND DEVICES	4.00 obl	95000030	SISTEMAS DE TRANSMISION	4.50 obl
BE1B13SSE	SOLAR SYSTEMS AND ELECTROCHEMICAL SOURCES	4.00 obl	95000026	SISTEMAS DIGITALES I	4.50 obl
BE2B32TSI	TELECOMMUNICATION SYSTEMS AND NETWORKS	4.00 obl	95000033	SISTEMAS DIGITALES II	3.00 obl
			95000028	TRATAMIENTO DIGITAL DE SEÑALES	6.00 obl
			13 asignatura(s). Total créditos:		61.0
					51.0 (obl) + 10.0 (opt)

EJEMPLO:

MODALIDAD: Tercer Curso

MATRICULA = 51.0 ECTS (obl) + 10.0 ECTS (opt) = 61.0 ECTS

Component title: CIRCUITOS ELECTRÓNICOS

Component Code: 95000025

Number of ECTS: 3

Semester: First Semestre

Component title: COMUNICACIONES ÓPTICAS

Component Code: 95000026

Number of ECTS: 4.5

Semester: First Semestre

... con cada asignatura de carácter obligatorio.

Créditos optativos:

Component title: PROGRAMAS DE INTERCAMBIO OPTATIVAS 8 ECTS

Component Code: 95000026

Number of ECTS: 8

Semester: First Semestre

Component title: PROGRAMAS DE INTERCAMBIO OPTATIVAS 2 ECTS

Component Code: 95000275

Number of ECTS: 2

Semester: First Semestre

8 ECTS OPTATIVOS + 2 ECTS OPTATIVOS = 10 ECTS de carácter optativo.

Finalmente, los bloques son: 3 ECTS + 4.5 ECTS + 4.5 ECTS + 4.5 ECTS + 4.5 ECTS + 4.5 ECTS + 3.0 + ... (OBLIGATORIOS) + 10 ECTS (OPTATIVOS) = 51.0(obl) + 10.0(opt) = 61.0 ECTS Total créditos.

Learning Agreement

Student Mobility for Studies

6. Commitment

Student: Rellenar los datos personales del estudiante, la fecha y firmar.

Responsible person at the Sending Institution : Rellenar los datos indicados.

Responsible person at the Receiving Institution : Rellenar los datos de contacto de la persona responsable en destino. Consultar los fact sheets (*consultar el punto 4. Receiving Institution de vuestra tabla*).

Commitment					
By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the Learning Agreement and that they will comply with all the arrangements agreed by all parties. Sending and Receiving Institutions undertake to apply all the principles of the Erasmus Charter for Higher Education relating to mobility for studies (or the principles agreed in the Inter-Institutional Agreement for institutions located in Partner Countries). The Beneficiary Institution and the student should also commit to what is set out in the Erasmus+ grant agreement. The Receiving Institution confirms that the educational components listed in Table A are in line with its course catalogue and should be available to the student. The Sending Institution commits to recognise all the credits or equivalent units gained at the Receiving Institution for the successfully completed educational components and to count them towards the student's degree as described in Table B. Any exceptions to this rule are documented in an annex of this Learning Agreement and agreed by all parties. The student and the Receiving Institution will communicate to the Sending Institution any problems or changes regarding the study programme, responsible persons and/or study period.					
Commitment	Name	Email	Position	Date	Signature
Student			Student		
Responsible person ¹⁰ at the Sending Institution	Jesús Fraile	International.etsit@upm.es	Dptal. Coordinator		
Responsible person at the Receiving Institution ¹¹					

Learning Agreement

Student Mobility for Studies

During the Mobility

Changes in the planned period of mobility? ☐ YES ☒ NO

New planned period of the mobility: from [day/month/year] to [day/month/year]

Exceptional changes to Table A

(to be approved by e-mail or signature by the student, the responsible person in the Sending Institution and the responsible person in the Receiving Institution)

Table A2 During the mobility	Component code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue)	Deleted component [tick if applicable]	Added component [tick if applicable]	Reason for change ¹²	Number of ECTS credits (or equivalent)
			☒	☐	Choose an item.	
			☐	☒	Choose an item.	
			☒	☐	Choose an item.	
			☐	☒	Choose an item.	
			☒	☐	Choose an item.	

Exceptional changes to Table B (if applicable)

(to be approved by e-mail or signature by the student and the responsible person in the Sending Institution)

Table B2 During the mobility	Component code (if any)	Component title at the Sending Institution (as indicated in the course catalogue)	Deleted component [tick if applicable]	Added component [tick if applicable]	Number of ECTS credits (or equivalent)
			☐	☒	
			☒	☐	
			☐	☒	
			☒	☐	
			☐	☒	

Commitment

By signing this document, the student, the Sending Institution and the Receiving Institution confirm that they approve the changes to the Learning Agreement.

Commitment	Name	Email	Position	Date	Signature
Student			Student		
Responsible person at the Sending Institution					
Responsible person at the Receiving Institution					

Learning Agreement

Student Mobility for Studies

Learning Agreement

Student Mobility for Studies

After the Mobility

<i>Transcript of Records at the Receiving Institution</i>					
Start and end dates of the study period: from [day/month/year] to [day/month/year]					
Table C After the mobility	Component code (if any)	Component title at the Receiving Institution (as indicated in the course catalogue)	Was the component successfully completed by the student? [Yes/No]	Number of ECTS credits (or equivalent)	Grades received at the Receiving Institution
			Total: ...		

<i>Transcript of Records and Recognition at the Sending Institution</i>				
Start and end dates of the study period: from [day/month/year] to [day/month/year]				
Table D After the mobility	Component code (if any)	Title of recognised component at the Sending Institution (as indicated in the course catalogue)	Number of ECTS credits (or equivalent) recognised	Grades registered at the Sending Institution (if applicable)
		Total: ...		

¹ **Nationality:** country to which the person belongs administratively and that issues the ID card and/or passport.

² **Study cycle:** Short cycle (EQF level 5) / Bachelor or equivalent first cycle (EQF level 6) / Master or equivalent second cycle (EQF level 7) / Doctorate or equivalent third cycle (EQF level 8).

³ **Field of education:** The [ISCED-F 2013 search tool](http://ec.europa.eu/education/tools/isced-f_en.htm) available at http://ec.europa.eu/education/tools/isced-f_en.htm should be used to find the ISCED 2013 detailed field of education and training that is closest to the subject of the degree to be awarded to the student by the Sending Institution.

⁴ **Erasmus code:** a unique identifier that every higher education institution that has been awarded with the Erasmus Charter for Higher Education (ECHE) receives. It is only applicable to higher education institutions located in Programme Countries.

⁵ **Contact person:** person who provides a link for administrative information and who, depending on the structure of the higher education institution, may be the departmental coordinator or works at the international relations office or equivalent body within the institution.

⁶ An "educational component" is a self-contained and formal structured learning experience that features learning outcomes, credits and forms of assessment. Examples of educational components are: a course, module, seminar, laboratory work, practical work, preparation/research for a thesis, mobility window or free electives.

⁷ **Course catalogue:** detailed, user-friendly and up-to-date information on the institution's learning environment that should be available to students before the mobility period and throughout their studies to enable them to make the right choices and use their time most efficiently. The information concerns, for example, the qualifications offered, the learning, teaching and assessment procedures, the level of programmes, the individual educational components and the learning resources. The Course Catalogue should include the names of people to contact, with information about how, when and where to contact them.

⁸ **ECTS credits (or equivalent):** in countries where the "ECTS" system is not in place, in particular for institutions located in Partner Countries not participating in the Bologna process, "ECTS" needs to be replaced in the relevant tables by the name of the equivalent system that is used, and a web link to an explanation to the system should be added.

⁹ **Level of language competence:** a description of the European Language Levels (CEFR) is available at: <https://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr>

¹⁰ **Responsible person at the Sending Institution:** an academic who has the authority to approve the Learning Agreement, to exceptionally amend it when it is needed, as well as to guarantee full recognition of such programme on behalf of the responsible academic body. The name and email of the Responsible person must be filled in only in case it differs from that of the Contact person mentioned at the top of the document.

¹¹ **Responsible person at the Receiving Institution:** the name and email of the Responsible person must be filled in only in case it differs from that of the Contact person mentioned at the top of the document.

¹² **Reasons for exceptional changes to study programme abroad (choose an item number from the table below):**

Reasons for deleting a component	Reason for adding a component
1. Previously selected educational component is not available at the Receiving Institution	5. Substituting a deleted component
2. Component is in a different language than previously specified in the course catalogue	6. Extending the mobility period
3. Timetable conflict	7. Other (please specify)
4. Other (please specify)	