

**DOUBLE DEGREE AGREEMENT BETWEEN  
UNIVERSITAT POLITÈCNICA DE VALÈNCIA  
AND TECHNISCHE HOCHSCHULE KÖLN  
FOR A DOUBLE DEGREE IMPLEMENTATION AT THE MASTER OF  
TELECOMMUNICATIONS ENGINEERING**

**BETWEEN**

**On the one hand**, the Universitat Politècnica de València, hereafter referred to as UPV, whose VAT no. is Q-4618002-B, established by the Spanish Government Act no. 495 of the 11th of March 1971, published on the Congressional Record of the 26th of March 1971, having its head office at Camino de Vera, s/n, in Valencia, P.C. 46022, Spain, and on its behalf the President Mr. José Esteban CAPILLA ROMÁ PhD, who was appointed to office by the Valencian Regional Government Order 74/2021, of 28<sup>th</sup> May, approved by the Valencian Government Council, and by virtue of the powers granted by Article 53-d of the UPV Statutes, which were approved by the Valencian Regional Government Order 182/2011, of 25th November

**And on the other hand**, Prof. Dr. Stefan HERZIG, as representative of the Technische Hochschule Köln, hereafter referred to as TH KÖLN, acting on behalf of the university

**DECLARE**

**I**

That the UPV is a Public Law entity with its own legal personality that carries out teaching, research and scientific and technological development. As stated in Article 2 of its Statutes, it is interested in intensifying international co-operation through exchange visits involving members of the University community, collaboration in the fields of teaching, research, technological development and innovation, one of the objectives of the UPV being that of allowing all its students to undertake part of their university studies at universities in other countries.

**II**

That TH KÖLN is a German University of Applied Sciences whose main campus is located in the town of Cologne, awards the degree of "*Master of Science in Communication Systems and Networks*" (MCSN), equivalent to the "*Máster Universitario en Tecnologías, Sistemas y Redes de Comunicaciones*" (MS in Telecommunication Technologies, Systems and Networks (MSTTSN) at the UPV.

**III**

That both, the UPV and TH KÖLN, through the signature of this agreement, promote the exchange of students in degree courses of "*Master of Science in Communication Systems and Networks*" and "*Máster Universitario en Tecnologías, Sistemas y Redes de Comunicaciones*" (MS in Telecommunication Technologies, Systems and Networks) to obtain a double degree.

NOW, THEREFORE, in consideration of the foregoing, the UPV and the TH KÖLN hereby enter into and sign a Double Degree Agreement, in accordance with the following

## CLAUSES

### FIRST – PURPOSE OF THE AGREEMENT

The purpose of this agreement is to establish a framework for collaboration between the UPV, *Escuela Técnica Superior de Ingenieros de Telecomunicación* (ETSIT), and TH KÖLN, Fakultät 07, Department of Telecommunication Technology, in order to establish the conditions that students from these institutions must fulfil to gain the academic degrees of “MSc in Telecommunication Technologies, Systems and Networks” from the ETSIT-UPV and “MSc in Communication Systems and Networks” from the TH KÖLN.

### SECOND - CONDITIONS

1. There are 3 itineraries for the ETSIT-UPV and TH KÖLN students to get the Double Degree (see annex I), that are summarized as follows for the minimum requirement for each student:
  - a. ETSIT-UPV to TH KÖLN (itinerary 1): ETSIT-UPV students must have completed a minimum of 30 ECTS credits of the “*Máster Universitario en Tecnologías, Sistemas y Redes de Comunicaciones*” at ETSIT-UPV.
  - b. TH KÖLN to ETSIT-UPV (itinerary 2): TH KÖLN students must have completed a minimum of 30 ECTS credits of the Master program in Communication Systems and Networks.
  - c. TH KÖLN to ETSIT-UPV (itinerary 3): TH KÖLN students must have completed a minimum of 36 ECTS credits of the Master program in Communication Systems and Networks at TH KÖLN.
2. Students have to acquire 90 ECTS credits in total during their studies at both Universities in the respective Master programs to be awarded the Double Degree. Additionally, the students from UPV have to pass the compulsory modules of the MCSN program.
3. During their stay at the host university, students will be enrolled in their home university. For this purpose, the current regulations on grants will be applied in the respective countries.

Students participating in the double degree program are exempt from paying tuition fees at the host university. This exemption does not extend to fees/charges for the issue of the official degree.

In order to have access to certain services (transportation, sports, internet, etc.) at the host university, hosted students will pay fees or public prices under the same conditions as the rest of students.

4. The ETSIT-UPV students will enroll at the TH KÖLN as European Union citizens and will be required to comply with its academic regulations.
5. The TH KÖLN students will enroll at the ETSIT-UPV as European Union citizens and will be required to comply with its academic regulations.
6. After successful completion of studies and according to the respective regulations, the UPV will award the degree of "*Máster Universitario en Tecnologías, Sistemas y Redes de Comunicaciones*" and the TH KÖLN will award the degree of "*Master of Science in Communication Systems and Networks*".
7. Both institutions will assist students in finding accommodation and in their social integration.
8. Mobility will be supported through Erasmus+ Program or any other available funding means. If this is not possible, the home institution has the option to decide whether or not the mobility is authorized.
9. Both institutions will support exchange students with the adequate possibility to improve their knowledge of the language of the host country.
10. Participating students will have to make arrangements to have adequate health insurance cover for the study period abroad.
11. Participating students are not eligible to apply for other mobility grants handled by the host institution.
12. TH KÖLN and UPV establish that the maximum number of participating students will be three per university and per academic year.  
  
Both institutions will try to comply with the principle of reciprocity (the number of students received by each University in the exchange shall be equal to the number of students that are sent).
13. Exchange students will be encouraged to study the host university language (Spanish or German) during their visit
14. Selected students are required to have a B2 English level, internet-based TOEFL higher than 80, IELTS band score: 6.5, or equivalent proof of English language proficiency.
15. Students are selected and admitted based on their academic results, motivation and language skills. The selection is carried out in collaboration between the two institutions. Admission of students is always at the discretion of the host institution.

### THIRD – IMPLEMENTATION OF THE AGREEMENT

#### a) Mobility from ETSIT-UPV to TH KÖLN.

The ETSIT-UPV students must accomplish the following requirements to obtain a double degree:

- Itinerary 1: Students must have completed at least 30 ECTS credits at ETSIT-UPV, as indicated in Annex I-Itinerary 1.
  - They will have to complete at TH KÖLN 30 ECTS of courses in the summer semester.
  - They will have two options for completing the remaining 30 ECTS in the winter semester:
    - They can complete 30 ECTS co-supervised Master Thesis at TH KÖLN, which will be equivalent to 24 Master Thesis of the MSTTSN plus 6 ECTS (courses 31974, 31714 and 31678).
    - They can complete 24 ECTS co-supervised Master Thesis at ETSIT-UPV plus 6 ECTS corresponding to 6 seminars detailed in Table I.

#### b) Mobility from TH KÖLN to the ETSIT-UPV

The TH KÖLN students must fulfill the following requirements to obtain a double degree, depending on their starting semester:

- Itinerary 2 (students who start in the summer semester at TH KÖLN): The students must have completed at least 30 ECTS at TH KÖLN in the summer semester, as indicated in Annex I-Itinerary 2.
  - They will have to complete at ETSIT-UPV 30 ECTS of courses in the winter semester.
  - They will have two options for completing the remaining 30 ECTS in the summer semester:
    - They can complete 30 ECTS co-supervised Master Thesis at TH KÖLN, which will be equivalent to 24 Master Thesis of the MSTTSN plus 6 ECTS (courses 31974, 31714 and 31678).
    - They can complete 24 ECTS co-supervised Master Thesis at ETSIT-UPV plus 6 ECTS corresponding to 6 seminars detailed in Table I.
- Itinerary 3 (students who start in the winter semester at TH KÖLN): The students must have completed at least 16 or 20 ECTS at TH KÖLN in the winter semester plus another 20 or 16 ECTS (complementary to the previous semester, to get in total 36 ECTS), as indicated in Annex I-Itinerary 3.
  - They will have to complete at ETSIT-UPV 24 ECTS of courses in the winter semester
  - They will have two options for completing the remaining 30 ECTS in the summer semester:
    - They can complete 30 ECTS co-supervised Master Thesis at TH KÖLN, which will be equivalent to 24 Master Thesis of the MSTTSN plus 6 ECTS (courses 31974, 31714 and 31678).
    - They can complete 24 ECTS co-supervised Master Thesis at ETSIT-UPV plus 6 ECTS corresponding to 6 seminars detailed in Table I.

In all cases, the students must be registered in the course "*Tesis de Máster*" (Master Thesis), and also, depending on the selected itinerary, in the 6 seminars they choose or in courses 31974, 31714 and 31678 at ETSIT-UPV.

- c) Defense of the Master Thesis. It is agreed between both institutions that the Master Thesis defense will be held according to the regulations of the MCSN Degree if the student is defending it in TH KÖLN, whereas MSTTSN regulations for defending the Master Thesis will be followed by students defending it at UPV. UPV regulations on cross-curricular Competences requires the Evaluation committee to fill out an evaluation questionnaire about the degree of achievement of each competence.

#### **FOURTH – EFFECTIVE DATE AND DURATION**

This agreement shall come into effect as of the moment it is signed and shall remain effective for a period of four (4) years with the possibility of extending it for additional periods, if the two signing parties expressly agree to do so.

#### **FIFTH – AMENDMENTS**

The parties may amend this agreement at any time, provided the two signing parties expressly agree to do so.

#### **SIXTH – TERMINATION OF THE AGREEMENT**

This Agreement may be terminated for the following reasons:

- By mutual agreement between the parties.
- By expiry of the initial period of validity or of its extensions.
- By failure to fulfil the obligations that were established or due to having breached the duty of trust.
- By unilateral decision taken by one of the parties, provided written notice to this effect is given six months before the date on which the agreement is to be terminated.

In any case, if the decision is taken to terminate this agreement prematurely, the two parties commit themselves to finish any undertakings that have already been started when notice of the termination is given.



#### **SEVENTH- RESOLUTION OF CONTROVERSIES**

The parties undertake to resolve any discrepancies that may arise from the implementation of this agreement in a friendly manner. Should this give rise to some kind of conflict, the parties shall finally comply with the International Chamber of Commerce rules of arbitration, with the aid of an arbitrator chosen in keeping with such rules.

This Agreement is signed in four in the place and on the date indicated above.

For Universitat Politècnica de València

Valencia,



The seal of the Universitat Politècnica de València is circular, featuring a central shield with a crown on top. The shield is divided into four quadrants. The text 'UNIVERSITAT POLITÈCNICA DE VALÈNCIA' is written around the top inner edge, and 'NORMATIVA I INSTRUCCIONS' is written around the bottom inner edge. The word 'VALENCIA' is written at the bottom of the seal.

President: Prof. Dr. José E. CAPILLA ROMA

For Technische Hochschule Köln

Cologne, 23.02.2023



President: Prof. Dr. Stefan HERZIG

For ETSIT-UPV

Valencia,



Dean: Dr. Héctor ESTEBAN GONZÁLEZ

For Fakultät 07, THK

Cologne, 23.01.2023



Dean: Prof. Dr. Stefan KREISER

**ANNEXES TO THE AGREEMENT:**

**ANNEX I.-FLOWCHART OF THE MOBILITIES (SEMESTER SEQUENCE)**

**ANNEX II. MASTER COURSES AT UPV (MSTTSN) AND TH KÖLN (MCSN)**

**ANNEX III.-EQUIVALENCIES BETWEEN MCSN AND MSTTSN COURSES AT BOTH UNIVERSITIES**

**ANNEX IV.-DESCRIPTION OF THE CREDIT AND GRADING SYSTEM APPLIED AT EACH UNIVERSITY AND THEIR EQUIVALENCE**

**ANNEX V.-FOLLOW-UP AND CO-ORDINATION COMMITTEE**

**JUST FOR UPV:**

**ANNEX VI.-INFORME DE LA COMISIÓN ACADÉMICA DEL TÍTULO CORRESPONDIENTE.**

(Report signed by the academic board of the UPV degree)

**ANNEX VII.- RESOLUCIÓN DE LA SUBCOMISIÓN DE RECONOCIMIENTO DE CRÉDITOS DE LA UPV ACEPTANDO LA PROPUESTA DE RECONOCIMIENTO DE CRÉDITOS DE LOS ESTUDIOS CURSADOS EN LA UNIVERSIDAD DE ORIGEN**

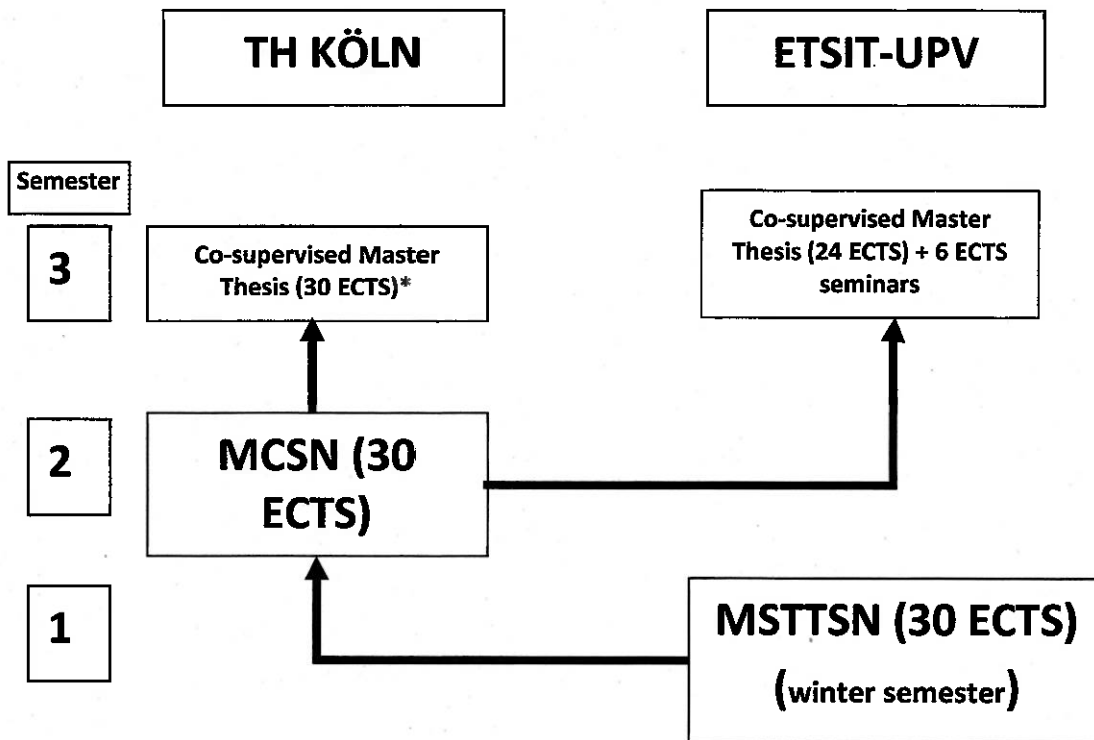
(Report signed by the UPV committee in charge of approving the credit recognition of UPV courses in exchange for courses completed in the home university)

**ANNEX I**

**FLOWCHART OF THE MOBILITIES**  
**(semester sequence)**

# ITINERARY 1: ETSIT-UPV to TH KÖLN

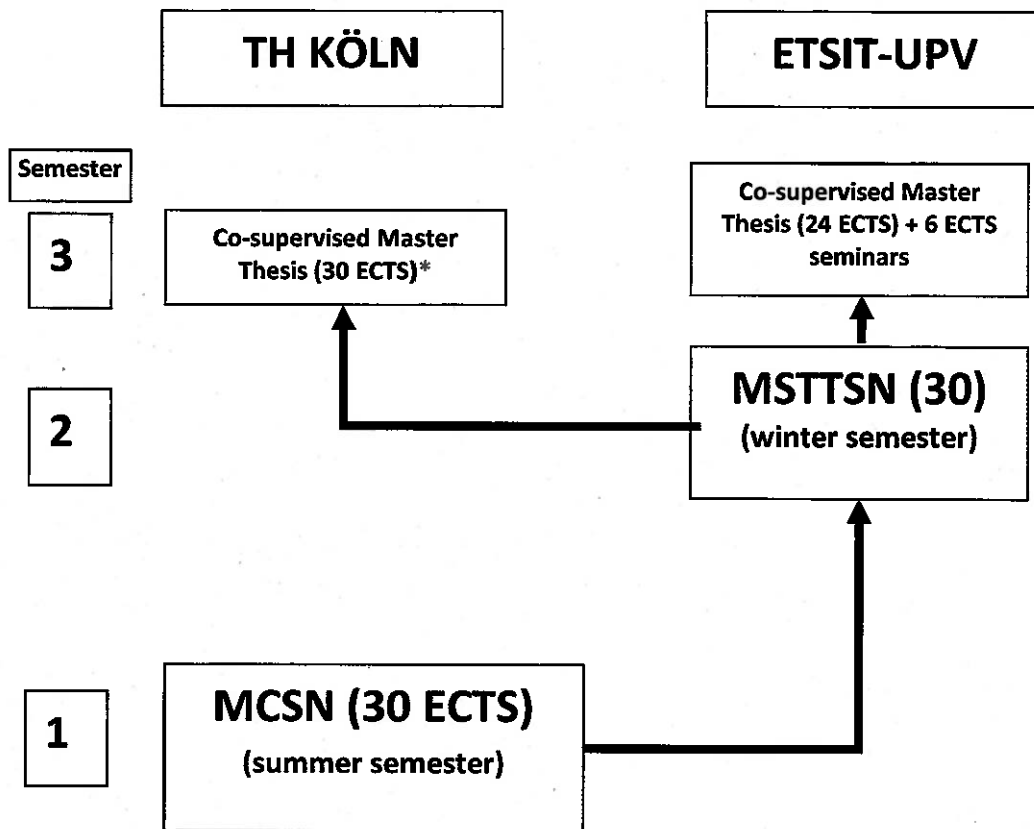
[Each box represents 30 ECTS credits]



\*The 30 ECTS Master Thesis at TH KÖLN are equivalent to 24 Master Thesis of the MSTTSN plus 6 ECTS (courses 31974 *Cursos de Formacion Recibidos en Congresos Internacionales*, 31714 *Cursos de formación recibidos en redes de excelencia europeas* and 31678 *Reconocimiento por actividades I+D+I*).

## ITINERARY 2: TH KÖLN to ETSIT-UPV

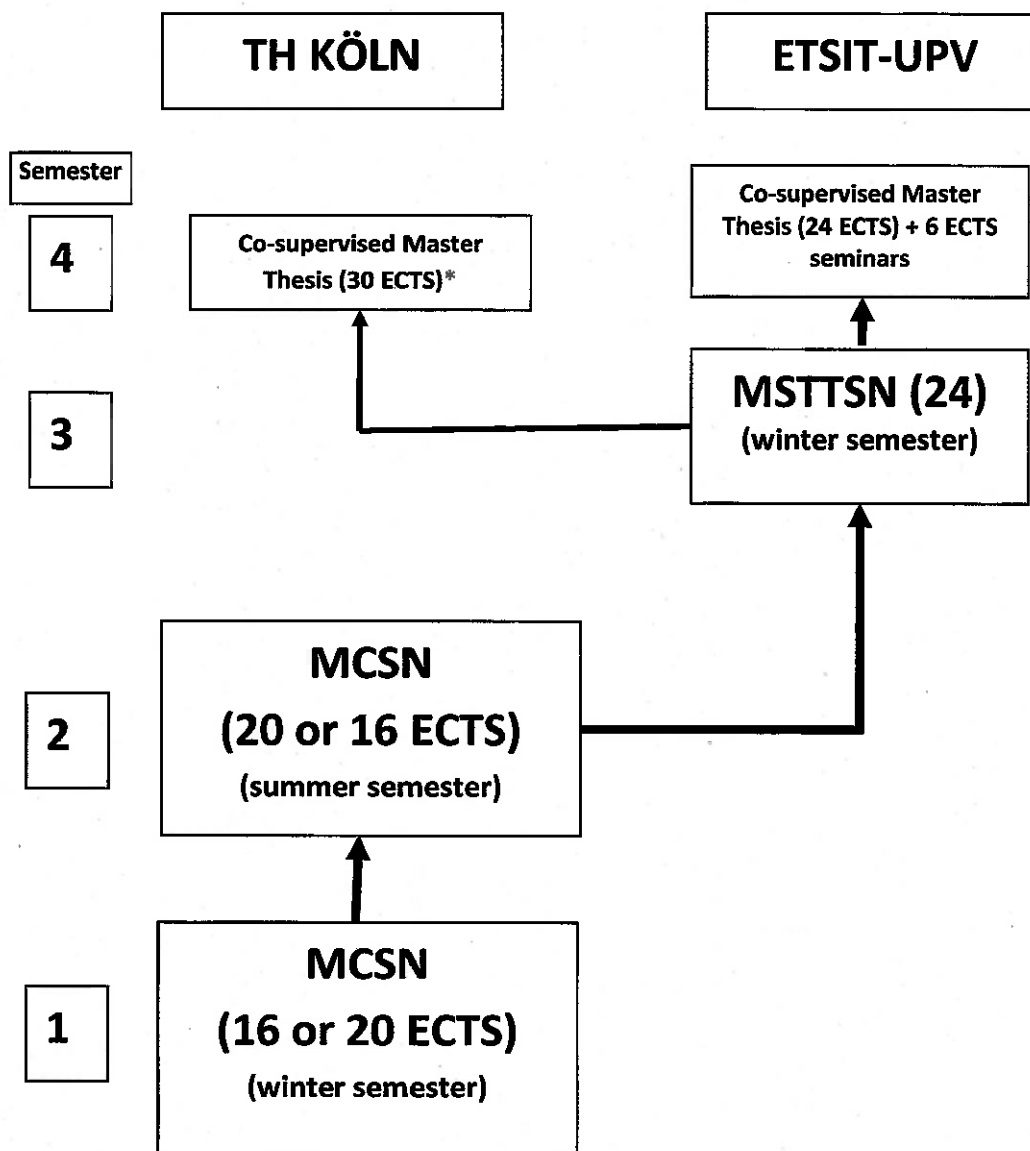
[Each box represents 30 ECTS credits]



\*The 30 ECTS Master Thesis at TH KÖLN are equivalent to 24 Master Thesis of the MSTTSN plus 6 ECTS (courses 31974 *Cursos de Formacion Recibidos en Congresos Internacionales*, 31714 *Cursos de formación recibidos en redes de excelencia europeas* and 31678 *Reconocimiento por actividades I+D+I*).

## ITINERARY 3: TH KÖLN to ETSIT-UPV

[each box represents 30 ECTS unless other thing indicated]



\*The 30 ECTS Master Thesis at TH KÖLN are equivalent to 24 Master Thesis of the MSTTSN plus 6 ECTS (courses 31974 *Cursos de Formación Recibidos en Congresos Internacionales*, 31714 *Cursos de formación recibidos en redes de excelencia europeas* and 31678 *Reconocimiento por actividades I+D+I*).

**ANNEX II**

**MASTER COURSES AT UPV (MSTTSN)**  
**AND TH KÖLN (MCSN)**

**TABLE I.-Master courses at ETSIT-UPV (elective courses up to 30 ECTS)**

<b>MSTTSN</b>	<b>Offered</b>	<b>Language</b>
30740 Tecnologías fotónicas para comunicaciones y sensado en redes B5G (TEFB5G)	winter term	English friendly course <sup>1</sup>
30743 Nanofotónica (N)	winter term	English friendly course
30744 Procesado óptico de señales en redes ópticas (POR)	winter term	English friendly course
30739 Sistemas de comunicaciones espaciales (SCE)	winter term	English friendly course
30733 Sistemas de comunicaciones digitales (SCD)	winter term	English friendly course
30738 Sistemas de comunicaciones móviles e inalámbricas (SCM)	winter term	English friendly course
30752 Interoperabilidad en Internet of Things (IIT)	winter term	English friendly course
30748 Redes de comunicaciones móviles: arquitectura y protocolos (RCMAP)	winter term	English friendly course
30750 Ciberinteligencia y seguridad de aplicaciones (CSA)	winter term	Spanish
30747 Gestión de tráfico y calidad de servicio (GTCS)	winter term	English friendly course
30742 Análisis digital de imagen y visión artificial (ADIVA)	winter term	English friendly course
30734 Procesado de señal para comunicaciones de nueva generación (PSCNG)	winter term	English friendly course
30741 Procesado óptico de señales y datos (POSD)	winter term	English friendly course
30751 Comunicaciones multimedia y calidad de experiencia (CMCE)	winter term	Spanish
30746 Modelización y evaluación de redes de comunicaciones (MERC)	winter term	English friendly course
30754 Economía y regulación de las telecomunicaciones (ERTEL)	winter term	English friendly course
30737 Aplicaciones de las altas frecuencias más allá de la tecnología radar (AAFR)	winter term	English friendly course
30735 Simulación de sistemas de alta frecuencia (SSAF)	winter term	English friendly course
30745 Análisis y dimensionado de redes de comunicaciones móviles (ARCM)	winter term	English friendly course

<sup>1</sup> English friendly course means that lecture slides, exams writing and exams wording can be offered in English language. Furthermore, the classes are held in English language if all students agree. Details should be checked on a individual base in advance of the exchange.

<b>MSTTSN</b>	<b>Offered</b>	<b>Language</b>
<b>Seminars:</b>		
31214 Simulation of communication systems (SCS)	summer term	English
31970 Next generation optical networks and energy efficiency (ROyEE)	summer term	English
33024 Routing protocols and algorithms (PE)	summer term	English
33025 Practical design of antennas for wireless devices using commercial electromagnetic simulation software (PDA)	summer term	English
34477 Object localization with focus on RFID-based systems (ORFID)	summer term	English
34478 Modern antennas for vehicles and mobile devices (MAVB)	summer term	English
31684 Comunicaciones en la industria 4.0 (CI)	summer term	Spanish
31969 Nuevas tecnologías para redes vehiculares y servicios para entornos inteligentes (NTRV)	summer term	Spanish
31971 Redes de acceso ópticas: FTTH (RAO)	summer term	Spanish
31674 Caracterización teórica y experimental del canal radio móvil (CCRM)	summer term	Spanish

Courses offered every year may be somewhat different. They can be consulted on [www.upv.es/titulaciones/MUTSRC/index-en.html](http://www.upv.es/titulaciones/MUTSRC/index-en.html).

**Note: the structure of the degree programs and the multiple combinations of required courses and electives at UPV and TH KÖLN make it impossible to establish a single list of courses to be completed at the home university and a fixed chart of credit recognition at the host university.**

**Therefore, the partners will establish a personalized study program for each student, to be approved by both institutions, keeping in mind the general guidelines described in Article 3 of the present agreement, as well as Annex I and Annex III**

**TABLE II: MCSN courses at TH KÖLN (as of December 2015)**

<b>MCSN</b>	<b>Offered</b>	<b>Mandatory/optional</b>
Advanced Mathematics (5 ECTS) (in German/ English)	winter term /summer term	mandatory
Basics on Systems and Networks (in English)	summer term	mandatory
Project Management (5 ECTS) (in English)	summer term	mandatory
Next Generation Networks (5 ECTS) (in English)	summer term	optional
Advanced Channel Coding (5 ECTS) (in English)	summer term	optional
Simulation of Acoustic Environments (5 ECTS) (in English)	winter term	optional
Digital Signal Processing (5 ECTS) (in English)	winter term	optional
Optische und drahtlose Übertragungsnetze (in German) (5 ECTS)	summer term	optional
RF System Design (5 ECTS) (in English)	summer term	optional
Advanced Multimedia Communications (5 ECTS) (in English)	winter term	optional
Communications in distributed systems (5 ECTS) (in English)	summer term	optional
Machine Learning and Scientific Computing (in German) (5 ECTS)	summer term	optional
Zuverlässigkeit von Systemen (in German) (5 ECTS)	winter term	optional
IT Security (5 ECTS) (in English)	winter term	optional
Cryptography (5 ECTS) (in English)	summer term	optional
Embedded Security (in German) (5 ECTS)	summer term	optional
Servicemanagement in Netzen (in German) (5 ECTS)	winter term	optional
Virtuelle Private Netze (in German) (5 ECTS)	winter term	optional
Identifikation and Privacy Enhanced Technologies (in German(E)) (5 ECTS)	summer term	optional
Colloquium (in combination with the Master thesis of 27 ECTS) (3 ECTS) (in English)	winter/summer term	mandatory

Courses offered every year may be somewhat different. They can be consulted on [www.mcsn.de](http://www.mcsn.de)

**Note:** the structure of the degree programs and the multiple combinations of required courses and electives at UPV and TH KÖLN make it impossible to establish a single list of courses to be completed at the home university and a fixed chart of credit recognition at the host university.

Therefore, the partners will establish a personalized study program for each student, to be approved by both institutions, keeping in mind the general guidelines described in Article 3 of the present agreement, as well as Annex I and Annex III

**ANNEX III**

**EQUIVALENCE BETWEEN MCSN AND  
MSTTSN COURSES AT BOTH  
UNIVERSITIES**

## Equivalencies that limit the choice of modules for students

**TABLE III: equivalent modules that limit the choice for students from TH KÖLN**

<b>Module Master CSN</b>	<b>Excludes in the Master TTSN the following module</b>
Next Generation Networks	30752 Interoperabilidad en Internet of Things (IIT)
Advanced Channel Coding	30734 Procesado de señal para comunicaciones de nueva generación (PSCNG)
Basics on Systems and Networks	30733 Sistemas de comunicaciones digitales (SCD)
Optische und drahtlose Übertragungsnetze (in German/Englisch (Summer/Winter term))	30740 Tecnologías fotónicas para comunicaciones y sensado en redes B5G (TEFB5G)
Advanced Multimedia Communications	30751 Comunicaciones multimedia y calidad de experiencia (CMCE)

**TABLE IV: equivalent modules that limit the choice for students from UPV**

<b>Module Master TTSN</b>	<b>Excludes in the Master CSN the following module</b>
30733 Sistemas de comunicaciones digitales (SCD)	Basics on Systems and Networks
30740 Tecnologías fotónicas para comunicaciones y sensado en redes B5G (TEFB5G)	Optische und drahtlose Übertragungsnetze (in German)
30752 Interoperabilidad en Internet of Things (IIT)	Next Generation Networks
30734 Procesado de señal para comunicaciones de nueva generación (PSCNG)	Advanced Channel Coding
30751 Comunicaciones multimedia y calidad de experiencia (CMCE)	Advanced Multimedia Communications

Note: the structure of the degree programs and the multiple combinations of required courses and electives at UPV and TH KÖLN make it impossible to establish a single list of courses to be completed at the home university and a fixed chart of credit recognition at the host university.

Therefore, the partners will establish a personalized study program for each student, to be approved by both institutions, keeping in mind the general guidelines described in Article 3 of the present agreement, as well as Annex I and Annex III

**This list of equivalent courses represents the courses that the students CANNOT choose upon arrival at their host institution, for they have already obtained these learning skills previously in the home institution.**

**ANNEX IV**

**DESCRIPTION OF THE CREDIT AND  
GRADING SYSTEM APPLIED AT EACH  
UNIVERSITY AND THEIR EQUIVALENCE**

## CREDIT SYSTEM

Both institutions use the same credit system, ECTS (European Credit Transfer System), so no equivalence table is required.

## UPV GRADING SYSTEM

In the Spanish university system, courses are graded on a scale of 0 to 10 points, with the following qualitative equivalences:

From 0.0 to 4.9 → "*Suspenso*" (Fail)

From 5.0 to 6.9 → "*Aprobado*" (Pass)

From 7.0 to 8.9 → "*Notable*" (Good)

From 9.0 to 10.0 → "*Sobresaliente*" (Excellent)

M.H.: A special mention, "*Matrícula de Honor*" may be granted to up to 5% of the students in a group provided they have got a "*sobresaliente*".

To pass a course is necessary to get at least 5 points

## TH KÖLN GRADING SYSTEM

1,0,1,3 → "*sehr gut*" (very good)

1,7/2,0/2,3 → "*gut*" (good)

2,7/3,0/3,3 → "*befriedigend*" (satisfactory)

3,7/ 4,0 → "*ausreichend*" (pass)

5,0 → "*mangelhaft*" (Fail)

If averaging of the grade is necessary, then:

up to 1.5 → "*sehr gut*" (very good)

over 1,5 to 2,5 → "*gut*" (good)

over 2,5 to 3,5 → "*befriedigend*" (satisfactory)

over 3,5 to 4,0 "*ausreichend*" (pass)

over 4,0 → "*mangelhaft*" (Fail)

## EQUIVALENCE

<b>UPV grade</b>	<b>TH KÖLN grade</b>
<b>10</b>	<b>1</b>
<b>9</b>	<b>1,3</b>
<b>8</b>	<b>2,0</b>
<b>7</b>	<b>2,7</b>
<b>6</b>	<b>3,3-</b>
<b>5</b>	<b>4,0</b>
<b>&lt;5</b>	<b>5,0</b>

<b>TH KÖLN grade</b>	<b>UPV grade</b>
<b>1,0</b>	<b>10</b>
<b>1,3</b>	<b>9.5</b>
<b>1,7</b>	<b>8.9</b>
<b>2,0</b>	<b>8.5</b>
<b>2,3</b>	<b>8.0</b>
<b>2,7</b>	<b>7.4</b>
<b>3,0</b>	<b>7.0</b>
<b>3,3</b>	<b>6.5</b>
<b>3,7</b>	<b>5.9</b>
<b>4,0</b>	<b>5</b>
<b>5,0</b>	<b>1-4 (to be decided individually)</b>

**ANNEX V**

**FOLLOW-UP AND COORDINATION**

**COMMITTEE**

The coordination committee will consist of the following people:

<b>FROM ETSIT-UPV</b>	<b>FROM TH KÖLN</b>
The ETSIT-UPV Dean (as of 2022, Prof. Dr. Héctor ESTEBAN GONZÁLEZ)  <a href="mailto:hesteban@upv.es">hesteban@upv.es</a>	The Fakultät 07 Dean (as of 2022, Prof. Dr. Stefan KREISER)  <a href="mailto:stefan.kreiser@th-koeln.de">stefan.kreiser@th-koeln.de</a>
The ETSIT-UPV vice-dean of International Relations (as of 2022, Prof. Dr. Felipe PEÑARANDA FOIX)  <a href="mailto:fpenaran@dcom.upv.es">fpenaran@dcom.upv.es</a>	The program coordinator of the MCSN program (as of 2022, Prof. Dr. Uwe DETTMAR)  <a href="mailto:uwe.dettmar@th-koeln.de">uwe.dettmar@th-koeln.de</a>

## **ANNEX VI**

# **INFORME DE LA COMISIÓN ACADÉMICA DEL TÍTULO CORRESPONDIENTE**

(Report signed by the academic board of the UPV degree)

Valencia a 13 de octubre de 2022

En la Comisión Académica del Título del Máster Universitario en Tecnologías, Sistemas y Redes de Comunicaciones celebrada el 13 de octubre de 2022 se ha aprobado en el punto 2 del orden día la renovación acuerdo doble título Máster Universitario en Tecnologías, Sistemas y Redes de Comunicaciones (UPV) - *MSc in Communication Systems and Networks* de la Technische Hochschule Köln (THK), Alemania que se acompaña.

Atentamente,

Juan Reig Pascual

Director Académico del Título del Máster Universitario en Tecnologías, Sistemas y Redes de Comunicaciones

Departamento de Comunicaciones

## **ANNEX VII**

# **RESOLUCIÓN DE LA SUBCOMISIÓN DE RECONOCIMIENTO DE CRÉDITOS DE LA UPV ACEPTANDO LA PROPUESTA DE RECONOCIMIENTO DE CRÉDITOS DE LOS ESTUDIOS CURSADOS EN LA UNIVERSIDAD DE ORIGEN**

(Report signed by the UPV committee in charge of approving the credit recognition of UPV courses in exchange for courses completed in the home university)



UNIVERSITAT  
POLITÈCNICA  
DE VALÈNCIA

Francisco Miguel Baena Aroca, secretari per delegació de la Comissió Acadèmica del Consell de Govern de la Universitat Politècnica de València,

*Francisco Miguel Baena Aroca, Secretario por delegación de la Comisión Académica del Consejo de Gobierno de la Universitat Politècnica de València,*

CERTIFIQUE: Que la Comissió Acadèmica del Consell de Govern, en sessió del dia 14 de desembre de 2022, va adoptar l'acord d'aprovar la renovació de l'acord de Doble Titulació entre la Univeristat Politècnica de València - Escola Tècnica Superior d'Enginyeria de Telecomunicació (Màster Universitari en Tecnologies, Sistemes i Xarxes de Comunicacions) i TH KÖLN que, com a part integrant d'aquest certificat, s'acompanya en 26 fulls, numerats, signats i segellats.

*CERTIFICO: Que la Comisión Académica del Consejo de Gobierno, en sesión celebrada el día 14 de diciembre de 2022, adoptó el acuerdo de aprobar la renovación del acuerdo de Doble Titulación entre la Univeristat Politècnica de València - Escuela Técnica Superior de Ingeniería de Telecomunicación (Máster Universitario en Tecnologías, Sistemas y Redes de Comunicaciones) y TH KÖLN que, como parte integrante de esta certificación, se acompaña en 26 hojas, numeradas, firmadas y selladas.*

De la qual cosa done fe en València a la data de la signatura, fent constar que la present certificació s'emet amb anterioritat a l'aprovació de l'acta de la sessió en la qual es va adoptar l'acord al fet que aquella es refereix.

*De lo que doy fe en Valencia a la fecha de la firma, haciendo constar que la presente certificación se emite con anterioridad a la aprobación del acta de la sesión en la que se adoptó el acuerdo a que aquella se refiere.*

V. i p. / V<sup>o</sup> B<sup>o</sup>  
La presidenta / La Presidenta

M<sup>a</sup> del Val Segarra Oña