

SPECIFIC DOUBLE DEGREE AGREEMENT BETWEEN THE UNIVERSITAT ROVIRA I VIRGILI AND THE ARAB ACADEMY OF SCIENCE AND MARITIME TRANSPORT

PRESENT

On one hand, Mr Josep Anton Ferré Vidal, Rector of the Universitat Rovira i Virgili (hereafter, URV) by virtue of his appointment through Decree 72/2014, of 27 May (DOGC 6633, of 29 May 2014), who represents this institution in accordance with the competencies established in article 66 of the Statute of the URV, which was approved by Decree 202/2003, of 26 August (DOGC 3963, of 8 September 2003), and modified by the Agreement GOV/23/2012, of 27 March (DOGC 6100, of 2 April 2012). The URV's address is C/Escorxador, s/n, post code 43003 Tarragona, and its tax identification number is Q-9350003-A.

On the other hand, Prof. Dr. Ismail Abdel Ghafar Ismail Farag, Rector of the Arab Academy for Science, Technology and Maritime Transport (hereafter AASTMT). The AAMSTMT's address is Gamal Abdel Nasser Street, Miami, Alexandria, Egypt.

Both parts recognise their mutual legal capacity to take part in this act.

ANTECEDENTS

In accordance with the present agreement between the URV and the AASMT, both institutions express their common desire to strengthen their cooperation in the ambit of university education.

Consequently, the URV and the AASMT have decided to facilitate the exchange of students to enable them to obtain a double degree, with both degrees being recognised in the respective countries of each institution.

The following articles specify the conditions under which students from both institutions can obtain a double degree and, for this reason, both institutions formalize the present agreement in accordance with the following:

CLAUSES

One. URV degree

The School of Engineering of the URV, hereafter referred to as ETSE, teaches the Master's Degree in Electronic Systems Engineering and Technology, worth 60 ECTS credits. The full curriculum is provided in Annex 1 of this agreement.

Two. Arab Academy of Science and Maritime Transport degree

The AASMT, teaches the Master's Degree in Nanoengineering, worth 42 credits. The full curriculum is provided in Annex 1 of this agreement.

Three. Double degrees

Double degrees are awarded to those students who comply with and complete the mobility programme specified in Annex II of this agreement, in accordance with the current legislation at each institution.

The academic staff in charge of the official degree at each university are responsible for the correct execution and monitoring of the double degree programme.

- At the URV this will be the person in charge of the official degree Master's Degree in Electronic Systems Engineering and Technology worth 60 ECTS.

- At the AASMT this will be the person in charge of the official degree Master's Degree in NanoEngineering worth 42 credits.

Four. Number and selection of candidates

Ten (10) students per institution may participate in this programme. However, the total number of students admitted annually may be modified by means of mutual agreements signed in advance.

Students will be selected by a specially designated academic committee at each institution. Students will be selected on the basis of the suitability of their academic and personal profiles. Students must fulfil the academic, linguistic and health-insurance requirements of both institutions, as specified in Annex 3 of this agreement.

Each institution must provide the host institution with the information it needs to officially register the candidates. The host institution may not refuse students proposed by the home institution unless they do not fulfil the requirements established.

The home institution must present the host institution with the list of students that it has chosen for the following academic year by 1 June at the latest. Each home institution may designate an individual to send the student lists to the host institution by email. The host institution must notify the home institution that it has formally accepted the proposed list of students by no later than 15 July of the same year. At the URV, students will begin their courses in the September of the year in which they are selected. At the AASMT students will begin their courses in September of the same year.

Each institution will be responsible for any accommodation costs and any other mobility expenses arising from the participation of their teaching and research staff or their administrative and technical staff.

Five. Registration fees

Students must register for the credits and must pay the corresponding fees at both universities (see Annex 6).

Each institution may require students to demonstrate that they have civil liability insurance and health insurance.

Six. Supervision of students

The host institution must create a supervisory committee for student consultation during the exchange. The exchange students will have access to all the services and pedagogical resources that are available to home students.

Seven. Validation of studies by the host institution

After the double degree students have completed their study visit at the host institution, the host institution must send a file containing the students' grades to the home institution.

Only those students who have passed all the subjects on the curricula at the home institution and at the host institution will be awarded a double degree. Students who have not passed the subjects at the host university must register again for these subjects in accordance with the academic calendar and pay the corresponding fees.

Furthermore, students must have paid all registration fees and have had all their subjects recognised in order to obtain the double degree certificate.

Eight. Issuance of degree certificates

Once students have obtained all the credits on the curriculum, they may request the issuance of the relevant degree certificate from each of the universities. Students must pay the fees for the issuance of the degree certificate of each university.

Nine. Duration

This agreement will come into force as soon as it has been signed, will have a duration of 1 years and may be extended by means of addenda. The total amount of years that the agreement may be extended is 4 years.

Either party can terminate the agreement by giving the other party six months' written notice. In all cases, all the activities which are in progress at the time of termination must be completed.

Ten. Resolution of disputes

The signatories must resolve by common agreement and consensual negotiation any issue or problem that may arise regarding the present agreement. Should they be unable to reach a common agreement, the signatories will resolve their differences regarding the interpretation or fulfilment of this agreement by another means that they will determine by common agreement.

Eleven. Data protection

Data confidentiality and the handling of information are covered by the legislation on personal data protection. Both parties agree to respect the legislation on personal data

protection for all matters where this legislation is applicable to the information that is the object of this agreement.

Twelve. Publicity

This document will be published on the Transparency Portal of the URV in accordance with article 8 of Law 19/2014, of 29 December, regarding transparency, access to public information and good government.

As proof of conformity, the representatives of the URV and the AASMT sign this document in English.

Tarragona, May 4, 2017

Miami (Alexandria),

The Rector of the
Universitat Rovira i Virgili



UNIVERSITAT
ROVIRA I VIRGILI
RECTORAT

The Rector of
Arab Academy of Science and Maritime
Transport

President,
Arab Academy for Science, Technology
and Maritime Transport

I. A. Ghafar



Annex 1: Curriculum

Master's Degree in Electronic Systems Engineering and Technology (METSE) of the URV

The Master's Degree comprises 30 ECTS credits of Core Subjects, 15 ECTS credits of Free Elective Subjects and 15 ECTS credits for the Master's Thesis.

Subject type	Subject name	ECTS
Core	Digital Signal Processing	4
Core	Micro and Nanoelectronic Devices and Technologies	4
Core	Advanced Digital Systems	4
Core	Electronic Systems in Communications	5
Core	Digital Control	4
Core	Innovation and Engineering	4
Core	Integrated Laboratory	5
Free Elective, Industrial Electronic track	Modelling and Control of Electrical Machines	3
Free Elective, Industrial Electronic track	Modelling and Control of Converters	3
Free Elective, Industrial Electronic track	Digital Control of Converters	3
Free Elective, Industrial Electronic track	Electrical Architecture of Energy Management Systems	3
Free Elective, Electronic Microsystems track	Nanomaterials in Electronic Engineering	3
Free Elective, Electronic Microsystems track	Micro and Nano Sensor Systems	3
Free Elective, Electronic Microsystems track	Advanced Semiconductor Devices	3
Free Elective, Electronic Microsystems track	Radiofrequency and Optical Electronic Technology	3

Free Elective, Electronic Microsystems track	Design of Experiments and Advanced Data Analysis	3
Free Elective, both tracks	Radioidentification and Wireless Sensors	3
Free Elective, both tracks	Design of High Frequency Integrated Circuits with CAD Tools	3

Degree of Master's Degree in NanoEngineering in the AASMT

The Master's Degree comprises 12 credits of Core Subjects, 12 credits of Free Elective Subjects and 18 credits for the Research Thesis.

Subject type	Subject name	ECTS
Core	Quantum Mechanics	3
Core	Semiconductor Physics	3
Core	Nanofabrication and Characterization	3
Core	Chemistry of Nanomaterials	3
Free Elective, engineering track	Microelectronic Devices and Circuits	3
Free Elective, engineering track	MEMS/NEMS	3
Free Elective, engineering track	Printed Electronics	3
Free Elective, engineering track	Design and Automation of Nanoinstruments	3
Free Elective, both tracks	Carbon based Nanomaterials and Devices	3
Free Elective, both tracks	Thin Film Science and Technology	3
Free Elective, both tracks	Computational and Modelling at Nanoscale	3
Free Elective, both tracks	Nanomaterials for Photonic Devices	3
Free Elective, both tracks	Water Desalination	3

Annex 2: Curriculum (table of equivalences, Learning Agreement, and schedule)

URV requisites:

There are two different options.

Option A: Students who have pursued either the Nanoscience or Nanotechnology tracks of the AASMT Master, who have a background in Electronic/ Electrical Engineering and who are interested in acquiring the Industrial Electronics Specialization must register for:

Subject type	Subject name	ECTS
Core	Digital Signal Processing	4
Core	Advanced Digital Systems	4
Core	Electronic Systems in Communications	5
Core	Digital Control	4
Core	Master Thesis	15
TOTAL ECTS		32

Option B: Students who have pursued either the Nanoscience or Nanotechnology tracks of the AASMT Master, who lack a background in Electronic/ Electrical Engineering and who are interested in acquiring the Electronic Microsystems Specialization must register for:

Subject type	Subject name	ECTS
Free Elective, Electronic Microsystems track	Nanomaterials in Electronic Engineering	3
Free Elective, Electronic Microsystems track	Micro and Nano Sensor Systems	3
Free Elective, Electronic Microsystems track	Advanced Semiconductor Devices	3
Free Elective, Electronic Microsystems track	Radiofrequency and Optical Electronic Technology	3

Free Elective, both tracks	Radioidentification and Wireless Sensors	3
Free Elective, both tracks	Design of High Frequency Integrated Circuits with CAD Tools	3
Core	Master Thesis	15
TOTAL ECTS		33



Annex 3: Academic, linguistic and health-insurance requirements


URV:

- For bachelor's degrees, candidates must apply to the corresponding faculty/school to have their foreign studies validated, obtain a validation of a minimum of 30 credits, and have completed at least 90 ECTS credits at the home university. Candidates will only be admitted on approval of the faculty/school.
- For master's degrees, within the annually established periods, candidates must complete the pre-registration form, present the required documentation and be admitted by the corresponding selection committee. (see annex 5)

AASMT:

Arab Academy for Science, Technology and Maritime Transport

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Annex 4:

Table of equivalences between qualifications:

URV	AASMT
9-10: possible distinction (matrícula d'honor)	4: A
9-10: Excellent	3.34- 3.67: A-
7 to 8.9: Good	2.67-3.33: B
5 to 6.9: Pass	2-2.66: C
0 to 4.9: Fail	0- 2: Fail



Annex 5. Academic documents required

URV:

- Valid Passport
- Qualification that entitles you to access the master's programme duly legalised and translated into Spanish or Catalan.
- Academic transcript of records duly translated into Spanish or Catalan and containing the list of subjects studied, grades and number of hours/credits for each of them.
- Curriculum vitae

All the information regarding translation and legalization is available at:

<http://www.urv.cat/en/temp/masters-oficials/requisits-doc-estranger/>



Annex 6. Prices

URV:

The price of a master's degree is calculated according to the number of credits that you register for each academic year. To this you should add administrative fees and compulsory insurance. You will also be required to pay a pre-registration fee (non-refundable) which is not discounted from the final cost of registration.

Students with foreign will be charged the *Academic tax for university graduates from foreign education systems*, set by the Catalan government

Master's Degree Prices for according the Decree on Prices of the Catalan Government (2016)

<i>credit cost</i>	<i>fees</i>	<i>insurances</i>
1 st time: 46.11€	Transcript administration: 69.80€	
2 nd time: 107.04€	Learning support: 70.00€	Student social security contribution: 1,12€
3 rd time: 115.27€	Foreign qualification fee: 218.15€*	Additional compulsory insurance: 5.00€
4 th time: 123.51€		

The prices are reviewed every year in July. If you would like to know the exact price of registration for this year, see the table of Prices for Master's Degree Prices.

AAMT:

Arab Academy for Science, Technology and Maritime Transport

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