

Enrollment

1. Once admitted, the student has to enroll in the subjects he wishes to take.

- For **SIGNAL PROCESSING AND MACHINE LEARNING FOR BIG DATA** subjects are:

SEMESTER	CODE	ACRONYM	SUBJECT (ENGLISH NAME/Spanish name)	CREDITS
FIRST	93000920	OPTF	OPTIMIZATION FUNDAMENTAL /Fundamentos de optimización (/images/Asignaturas2019-2020/GA_09AT_93000920_1S_2019-20.pdf)	3
	93000938	OTBD	OPTIMIZATION TECHNIQUES FOR BIG DATA ANALYSIS /Técnicas de optimización para análisis de datos masivos (/images/Asignaturas2019-2020/GA_09AT_93000938_1S_2019-20.pdf)	3
	93000939	STMO	STATISTICAL MODELLING /Análisis estadístico (/images/Asignaturas2019-2020/GA_09AT_93000939_1S_2019-20.pdf)	3
	93000940	TSAN	TIME SERIES ANALYSIS /Series temporales (/images/Asignaturas2019-2020/GA_09AT_93000940_1S_2019-20.pdf)	4.5
	93000941	PRDL	PREDICTIVE AND DESCRIPTIVE LEARNING /Aprendizaje predictivo y descriptivo (/images/Asignaturas2019-2020/GA_09AT_93000941_1S_2019-20.pdf)	6
	93000942	DSFA	DATA SCIENCE FOUNDATIONS AND APPLICATIONS /Ciencia de los datos y aplicaciones (/images/Asignaturas2019-2020/GA_09AT_93000942_1S_2019-20.pdf)	2
	93000943	MLLB	MACHINE LEARNING LAB /Laboratorios de técnicas de aprendizaje automático (/images/Asignaturas2019-2020/GA_09AT_93000943_1S_2019-20.pdf)	4.5
SECOND	93000944	LSMA	LARGE-SCALE MEDIA ANALITICS /Análítica de contenidos multimedia a gran escala (/images/Asignaturas2019-2020/GA_09AT_93000944_2S_2019-20.pdf)	4
	93000945	SPBD	SIGNAL PROCESSING FOR BIG DATA /Tratamiento de señal para datos masivos (/images/Asignaturas2019-2020/GA_09AT_93000945_2S_2019-20.pdf)	4
	93000946	BDIVS	BIG DATA FOR IMAGE AND VIDEO SIGNALS /Técnicas de tratamiento de datos masivos para imagen y vídeo (/images/Asignaturas2019-2020/GA_09AT_93000946_2S_2019-20.pdf)	4
	93000947	BINL	BIO-INSPIRED LEARNING /Aprendizaje bio-inspirado (/images/Asignaturas2019-2020/GA_09AT_93000947_2S_2019-20.pdf)	3
	93000948	REIL	REINFORCEMENT LEARNING /Aprendizaje de refuerzo (/images/Asignaturas2019-2020/GA_09AT_93000948_2S_2019-20.pdf)	3

93000949	APPR (/images/Asignaturas2019-2020/GA_09AT_93000949_2S_2019-20.pdf)	APPLICATION PROJECTS /Proyectos de aplicación	4
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93000950	FMW	FINAL MASTER WORK /TRABAJO FIN DE MASTER	12
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You can enroll this subject (FMW) in both semesters. It is better to enroll it in the semester you are sure you will be able to present the Final Master Work.

- For **RF track** subjects are:

SEMESTER	CODE	ACRONYM	SUBJECT (ENGLISH NAME/Spanish name)	CREDITS
FIRST	93000920	OPTF (/images/Asignaturas2019-2020/GA_09AT_93000920_1S_2019-20.pdf)	OPTIMIZATION FUNDAMENTAL /Fundamentos de optimización	3
	93000921	RFOT (/images/Asignaturas2019-2020/GA_09AT_93000921_1S_2019-20.pdf)	RADIOFREQUENCY OPTIMIZATION TECHNIQUES /Técnicas de optimización en radiofrecuencia	6
	93000922	RFTC (/images/Asignaturas2019-2020/GA_09AT_93000922_1S_2019-20.pdf)	RADIOFREQUENCY TECHNOLOGIES /Tecnologías de radiofrecuencia	6
	93000923	ATAT (/images/Asignaturas2019-2020/GA_09AT_93000923_1S_2019-20.pdf)	ADVANCED TOPICS ON ANTENNA TECHNOLOGIES /Temas avanzados en tecnología de antenas	6
	93000924	MC4G (/images/Asignaturas2019-2020/GA_09AT_93000924_1S_2019-20.pdf)	MOBILE COMMUNICATIONS: 4G AND BEYON /Comunicaciones móviles: 4G y más allá	3
	93000925	DCSE (/images/Asignaturas2019-2020/GA_09AT_93000925_1S_2019-20.pdf)	DESIGN OF COMMUNICATION SYSTEMS AND EQUIPMENT /Diseño de sistemas y equipos de comunicaciones	6
SECOND	93000926	APMC (/images/Asignaturas2019-2020/GA_09AT_93000926_2S_2019-20.pdf)	FROM ARRAY PROCESSING TO MIMO /Del procesado en array a las comunicaciones mimo	6
	93000927	SRFC (/images/Asignaturas2019-2020/GA_09AT_93000927_2S_2019-20.pdf)	SECURE RF COMMUNICATIONS /Comunicaciones RF seguras	3
	93000928	LRFM (/images/Asignaturas2019-2020/GA_09AT_93000928_2S_2019-20.pdf)	RADIOFREQUENCY OPTIMIZATION TECHNIQUES /Laboratorio de medida de RF	6
	93000929	COEM (/images/Asignaturas2019-2020/GA_09AT_93000929_2S_2019-20.pdf)	COMPUTATIONAL ELECTROMAGNETICS /Electromagnetismo computacional	6
93000950	FMW	FINAL MASTER WORK /TRABAJO FIN DE MASTER	12	

You can enroll this subject (FMW) in both semesters. It is better to enroll it in the semester you are sure you will be able to present the Final Master Work.

2. ENROLLMENT DATES

- The University establishes enrollment dates. They are published at:

Estudios Oficiales de Máster (http://www.upm.es/Estudiantes/Estudios_Titulaciones/Estudios_Master)

Official Master's Degree Studies (<http://www.upm.es/internacional/Students/StudiesDegrees/University%20Masters/Admission>)

being de calendar:

Calendario de Másteres Universitarios (2018/2019)

(http://www.upm.es/Estudiantes/Estudios_Titulaciones/Estudios_Master/Calendario)

Calendar of Official Master's Degree (2018/2019)

(<http://www.upm.es/internacional/Students/StudiesDegrees/University%20Masters/Calendar>)

To process your student Visa (if needed) you will need a payment certificate. Therefore, for students needing a visa only the first period is of practical relevance since the processing of the Visa will take several weeks and thus registration in September is not an option as the course starts in early September.

3. ENROLLMENT PROCEDURE

- To start enrollment, please click on the following link:

UPM Official Master Enrollment (<http://www.upm.es/internacional/Students/StudiesDegrees/University+Masters/Enrollment>)

(<http://www.upm.es/internacional/Students/StudiesDegrees/University+Masters/Enrollment>)

4. TUITION FEES

Tuition fees to enroll to the Master of Science on Signal Theory and Communications (MSTC) are officially set by the Council for Education, Culture and Sports of the Government of Madrid. These are published once a year, usually in August, and are applicable for the course starting in September.

The complete program of MSTC has an overall workload of 60 ECTS.

The official prices for the current academic year 2018-19 (see BOCM 184 of August 3, 2018 (</images/enrollment18-19/BOCM-20180803-1.PDF>)) are as follows:

TUITION FEES PER ECTS CREDIT (€/ECTS)				
Master of Science on Signal Theory and Communications (MSTC)				
Number of enrollment	First	Second	Third	Fourth and subsequent
Students from UE member states	45,02	71,88	84,07	84,07
Foreign students (*)	84,07	84,07	84,07	84,07

(*) Pursuant to the Royal Decree 83/2016 and according to article 81.3 b) of the Organic Law 6/2001 of 21 December concerning Universities, the Universidad Politécnica de Madrid establishes that foreign students of legal age, not having the status of permanent residents (with the exception of those coming from UE Member States as well of those covered by the community rules) will be charged the amount corresponding to the fourth and subsequent enrollment fees.

In this sense, the authorization for stay granted to foreign students according to Royal 557/2011, of 20 de April, approving the Regulation of the Organic Law 4/2000, of 11 January, concerning rights and freedoms of foreign nationals in Spain and their integration into society, does not imply the status of permanent residents.

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