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Master's Degree in Software Engineering, Formal Methods and Information Systems

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☐ Líneas y Grupos de Investigación

Medida extraordinaria de cambio de modalidad de docencia hasta el final del primer cuatrimestre (Curso 20/21) Adaptación extraordinaria de la docencia y evaluación del segundo cuatrimestre Curso 2020-2021 Acuerdo para la vuelta al modelo híbrido de docencia en el segundo cuatrimestre (Curso 20/21)

Courses

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Resp. Ent. Dept. of Computer Systems and Computation

M. Unit Master's Degrees Unit

Degree Master's Degree in Software Systems Engineering and Technology

Type Máster
Year 2022-2023

Group

View subjects by academic year

Consultation of blocks of subjects may be effected through the button "View subjects by academic year", if applicable.

Credits for obtaining the degree

Compulsory	Optional	Internship	Thesis	Total
36,00	12,00	0,00	12,00	60,00

MODULE 1: Módulo Fundamentos de Sistemas Software

Minimum credits: 18 Type: Compulsory

SUBJECT : Fundamentos Formales de la Ingeniería del Software

Minimum credits: 6 Type: Compulsory

Code	Subject	Туре	Curso	Sem.	C.T	C.P	ECTS	Off.
33967	Formal Models of Computation	Compulsory	1	Α	2	1	3	√
33966	Logic and Algebraic Foundations	Compulsory	1	Α	2	1	3	\checkmark

SUBJECT: Ingeniería del Software Avanzada

Minimum credits: 6 Type: Compulsory

Code	Subject	Туре	Curso	Sem.	C.T	C.P	ECTS	Off.
33968	Advanced Software Engineering	Compulsory	1	Α	2	1	3	\checkmark
33969	Empirical Software Engineering	Compulsory	1	Α	3	0	3	\checkmark

SUBJECT : Ingeniería de Sistemas de Información

Minimum credits: 6 Type: Compulsory

Code	Subject	Туре	Curso	Sem.	С.Т	C.P	ECTS	Off.
33971	Data Management Technology	Compulsory	1	Α	1	2	3	\checkmark
33970	Information Systems Engineering	Compulsory	1	Α	1	2	3	\checkmark

MODULE 2: Specialisation module

Minimum credits: 18 Type: Compulsory

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SUBJECT : Análisis y Validación de Artefactos Software

Minimum credits: 6 Type: Compulsory

Code	Subject	Туре	Curso	Sem.	C.T	C.P	ECTS	Off.
33960	Software Analysis and Verification	Compulsory	1	Α	2,5	,5	3	\checkmark
33961	Software Transformation, Validation and Debugging	Compulsory	1	Α	2	1	3	\checkmark

SUBJECT : Interacción y Gestión Avanzada de Contenido Digital

Minimum credits: 6 Type: Compulsory

Code	Subject	Туре	Curso	Sem.	C.T	C.P	ECTS	Off.
33962	Development of Advanced Multimodal Interfaces	Compulsory	1	Α	1,5	1,5	3	\checkmark
33963	Digital Content Management	Compulsory	1	В	3	0	3	\checkmark

SUBJECT : Sistemas de Información de Nueva Generación

Minimum credits: 6 Type: Compulsory

С	ode	Subject	Туре	Curso	Sem.	C.T	C.P	ECTS	Off.
3	3965	Data Science	Compulsory	1	Α	2	1	3	\checkmark
3	3964	Internet of Services (IoS) and Things (IoT)	Compulsory	1	В	2,5	,5	3	\checkmark

MODULE 3: Módulo de aplicaciones y técnicas de soporte

Minimum credits: 12 Type: Compulsory

SUBJECT: Tendencias, Evolución y Aplicaciones de los Sistemas Software

Minimum credits: 12 Type: Compulsory

Code	Subject	Туре	Curso	Sem.	C.T	C.P	ECTS	Off.
33957	Advanced programming in Erlang	Elective	1	В	0	2	2	\checkmark
33958	Business and Organizational Process Modelling	Elective	1	В	2	0	2	\checkmark
33946	Emergency Management Systems	Elective	1	В	2	0	2	
33949	Entrepreneurship in Software Products	Elective	1	В	0	2	2	\checkmark
33948	Experiences in Model Management	Elective	1	В	2	0	2	\checkmark
33959	Human-Computer Interaction during the Analysis and Design of Information Systems	Elective	1	В	2	0	2	\checkmark
33950	Information Systems Applied to Bioinformatics: Management of Genomics Data	Elective	1	В	2	0	2	\checkmark
33954	Laboratory of Analysis, Transformation, and Debugging	Elective	1	В	,5	1,5	2	\checkmark
33955	Multi-paradigm Programming (Lab)	Elective	1	В	,5	1,5	2	\checkmark
33951	Natural Language Engineering	Elective	1	В	1	1	2	\checkmark
33952	Social media mining	Elective	1	В	1	1	2	\checkmark
33947	Structured Software Testing	Elective	1	В	1	1	2	\checkmark
33953	Ubiquitous and Autonomic Computing Systems Design	Elective	1	В	2	0	2	\checkmark
33956	Verification of Concurrent Systems. Laboratory	Elective	1	В	0	2	2	

MODULE 4: Master's final project Minimum credits : 12 Type: Thesis

SUBJECT: Final Master's project

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Minimum credits: 12 Type: Thesis

Code	Subject	Туре	Curso	Sem.	C.T	C.P	ECTS	Off.
33972	Master's Degree Final Project	Thesis	1	В	0	12	12	V

✓ : Asignatura ofertada en el curso 2022-2023☐ : Asignatura no ofertada en el curso 2022-2023

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