

# UCLM

English subjects & English Friendly

University of Castilla-La Mancha



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Edited:

Vice-Chancellory for Internationalization and Lifelong Learning

For further details of the information contained herein, please visit the university's website ([www.uclm.es](http://www.uclm.es)) or contact the Vice-Chancellory for Internationalization and Lifelong Learning at the following e-mail address: [Vic.Internacional@uclm.es](mailto:Vic.Internacional@uclm.es)

## **WELCOME TO THE UNIVERSITY OF CASTILLA-LA MANCHA**

Founded in 1985, our University now offers 47 bachelor's degree programmes and 35 official master degrees programmes, all of which are in accordance with the standards of the European Higher Education Area (EHEA). Moreover, the UCLM proffers a wide selection of post-graduate courses and 18 PhD programmes.

Our institution, founded 25 years ago, has consolidated itself as a top university within the Spanish Higher Education System. The UCLM holds cooperation agreements and relations with approximately 715 worldwide academic centers and institutions. This constitutes the perfect frame to let our students and professors go abroad and international students and professors come to UCLM. According to the statistics from 2015-2016, around 700 worldwide students arrived at the UCLM to start or continue their education. Furthermore, the UCLM also offers Spanish language courses to international students and visitors. More than 2,000 people attended it in the last three years.

Our institution is pleased to have these international programmes for non-native speakers. Moreover, the UCLM is proud of being able to have the confidence of worldwide professors and students, who each year select the UCLM for different purposes.

The UCLM has a motivated and experienced personnel that will help you to achieve your personal and academic objectives. You will be more than welcome at the University of Castilla-La Mancha. We will be waiting for you to share some excellent and moving experiences.



## Study in English

As an international institution that receives worldwide students and has international agreements with more than 700 international institutions and organizations, the University of Castilla-La Mancha is clearly committed with its internationalization. In order to keep and increase this process, the UCLM has been working sternly on an internationalization strategy that will permit to improve and consolidate the UCLM position at the international tertiary education stage.

The aforementioned internationalization strategy is composed of numerous actions such as; the “Study Abroad Programme”, the Spanish courses for foreigners, the promotion of the UCLM, international initiatives and, obviously, the teaching in English.

From the UCLM, we comprehend perfectly the importance that Education in English has for our international status and reputation. Whereupon, we have started to develop an ambitious program towards the organization and implementation of imparting knowledge in English. So far, we have been able to reach a vast range of subjects taught in English and we are still making a great effort to implement bilingual bachelors and master degrees and even some exclusively taught in

English. In addition, the UCLM is developing a catalogue of subjects of the official degrees assigned as “**English Friendly**”, with the intention to facilitate the international students the class materials in English. It includes the possibility of performing English. It includes the possibility of performing progress test and examinations in English, if they choose it.

The “English Friendly” involve the voluntary commitment of the professorship to improve the monitoring of the classes for international students. As well, it promotes the internationalization of Spanish students with UCLM subjects in English.

The “English Friendly” involve the voluntary commitment of the professorship to improve the monitoring of the classes by the international students. As well as, it promotes the internationalization for the Spanish students with supporting documents for the study of the UCLM subjects in English.

In short, at the UCLM, international students will be capable of studying numerous disciplines of diverse fields of knowledge in English.



## Contact information

### International relations

*The International Relations Office (ORI) and the Vice-Chancellor for Internationalization and Lifelong Learning handle all international issues for the University of Castilla-La Mancha (UCLM). In this way, they are committed to facilitating relations with other international institutions of higher education and fostering international study and teaching opportunities among the university community.*

Furthermore, they work to establish different international exchange programs for students, researchers, professors, and university administrative staff. In the case of students, such programs give them the opportunity to take some academic credits of their degrees in those foreign academic institutions with which University of Castilla-La Mancha has signed an exchange agreement.

### *Office of the Vice Chancellor for Internationalization and Lifelong Learning*

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### *International Relations Office*

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CAMPUS OF  
**CIUDAD REAL**





Ciudad Real is the most important site for the running of the University of Castilla-La Mancha. In this city is placed the Provost's Office and the most relevant decisions concerning the administration and management of the UCLM are decided in this venue.

Naturally, the vital centre of the UCLM has its own wonders. After all, Ciudad Real is the land of Don Quixote and it is surrounded by astonishing natural landscapes, some of which are included in the National Park list.

With regard to education, the Campus of Ciudad Real is, naturally, the most relevant campus within the University of Castilla-La Mancha. With around 8,000 students in accordance with the 2015 statistics, it offers a complete range of Bachelor's Degrees, Master's Degrees and other post-graduate studies for the best undergraduate and graduate education.

The Campus of Ciudad Real is divided into two venues: the main venue is, located in the city of Ciudad Real. A second venue is located in Almadén, a small town 100 kilometres away from Ciudad Real.

Taking advantage of the mercury mining tradition of Almadén, the UCLM decided to place the Polytechnic School, here where students can study the Bachelor's Degrees in Mining Engineering and Industrial Engineering. In addition, Almadén boasts the world's largest mercury mine, and together with Idrija, it is the only place that holds the Heritage of Mercury awarded by UNESCO back in 2012.

*INTERNATIONAL RELATIONS OFFICE – CIUDAD REAL CAMPUS*

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## ► FACULTY OF LETTERS AND HUMANITIES

### BACHELOR'S DEGREE IN HISTORY

#### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
66241	The Spanish Monarchy in Europe	3	S1	6
66228	History of the Spanish Colonial America	3	S1	6

### BACHELOR'S DEGREE IN SPANISH STUDIES

#### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
66138	Cultural Management	3	S1	6

### BACHELOR'S DEGREE IN GEOGRAPHY

#### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
66203	Physical and Human Geography	1	S1	6
66427	Photo interpretation and remote sensing	2	S1	6
66435	Environmental impact prevention and assessment	1	S2	6

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
66452	Physical geography and sustainability:	1	S1	6
66453	Human Geography and Sostenibility: Society	1	S1	6
66461	Geographical Analysis	2	S1	6

## BACHELOR'S DEGREE IN ENGLISH STUDIES

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
66008	Literary Text analysis	2	S2	6
66019	Culture and Civilization of the UK	2	S2	6
66020	English Literature I	2	S2	6
66027	North American Literature I	3	S2	6
66028	Culture and Civilization of the USA	3	S2	6
66029	English Literature II	3	S2	6
66031	English Literature III	4	S1	6
66033	North American Literature II	4	S2	6
66038	Comparative Literature	3 / 4	S1	6
66039	Applied Literature Theory	3 / 4	S1	6
66040	Contemporary Literature In English Language	3 / 4	S1	6
66041	Applied Linguistics	3 / 4	S1	6
66042	Sociolinguistics	3 / 4	S1	6

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
66043	Old English Language and Literature	3 / 4	S2	6
66044	Art and Literature	3 / 4	S2	6
66045	North American Poetry and Theater	3 / 4	S2	6

### English Subject (TAUGHT IN ENGLISH)

Code	Name of the Subject	Year	Semester	ECTS
66014	German Language I	2	S1	6
66021	German Language II	2	S2	6
66035	German Language III	3 / 4	S1	6

## ► SCHOOL OF INDUSTRIAL ENGINEERING

### BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING

#### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
56447	Reliability and Total Quality Techniques	4	S2	6
56402	Electronics	2	S2	6
56446	Engineering Economics	4	S1	6
56414	Renewable Energies	3	S2	6

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
56442	Electrical and Magnetic Materials	4	S2	6

## BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATION ENGINEERING

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
56504	Digital Electronics I	3	S1	6
56506	Industrial Robotics	3	S1	6
56521	Computer Vision	4	S2	6
56500	Electronic Technology	2	S2	6
56522	Advance Computing	4	S2	6
56523	Fundamentals of Telecommunications	4	S1	6
56518	Computers Architecture	4	S1	6
56503	Electronic Instrumentation	3	S2	6
56517	Signal Processing	4	S1	6
56524	Applied Biomedical Engineering	4	S2	6

# BACHELOR'S DEGREE IN MECHANICAL ENGINEERING

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
56305	Graphic Expression I	1	S2	6
56310	Strength of Materials	2	S1	6
56309	Graphic Expression II	2	S1	6
56326	Thermal Engineering	3	S2	6
56366	Alternative Energies	4	S1	6
56370	Industrial Complexes	4	S1	6
56324	Engineering and Technology of Materials	3	S2	6
56318	Electronics and Automation	2	S2	6
56376	Advance Materials	4	S1	6
56364	Nuclear Engineering	4	S2	6
56365	Hydraulic machines	4	S2	6
56369	Combustion Technology	4	S1	6

## **BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATION ENGINEERING; BACHELOR DEGREE IN ELECTRICAL ENGINEERING**

### **English Friendly**

<b>Code</b>	<b>Name of the Subject</b>	<b>Year</b>	<b>Semester</b>	<b>ECTS</b>
56440	Advance Instrumentation	4	S1	6
56441	Photovoltaic Systems	4	S2	6
56400	Graphic Expression	1	S2	6

## **BACHELOR'S DEGREE IN MECHANICAL ENGINEERING; BACHELOR DEGREE IN ELECTRICAL ENGINEERING; BACHELOR DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATION ENGINEERING**

### **English Friendly**

<b>Code</b>	<b>Name of the Subject</b>	<b>Year</b>	<b>Semester</b>	<b>ECTS</b>
56307	Statistics	1	S2	6
56329	Engineering Projects	4	S1	6
56312	Electrical Technology	2	S1	6
56313	Materials Science	2	S1	6



# ► FACULTY OF CHEMICALS SCIENCES AND TECHNOLOGIES

## BACHELOR'S DEGREE IN CHEMISTRY

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
57300	Fundamentals of Chemistry	1	A	12
57301	Mathematics	1	A	12
57302	Physics	1	A	12
57303	Biology	1	S1	6
57304	Geology	1	S1	6
57305	Basic laboratory operations	1	S2	6
57306	Statistics and computational methods	1	S2	6
57307	Fundamentals of analytical chemistry	2	S1	6
57308	Inorganic Chemistry I	2	A	9
57309	Organic Chemistry I	2	A	9
57310	Physical Chemistry I: Chemical Thermodynamics	2	S1	6
57311	Gravimetric and Volumetric Analysis	2	S1	6
57312	Instrumental Analysis I	2	S2	6
57313	Inorganic Chemistry II	2	S2	6
57314	Organic Chemistry II	2	S2	6
57315	Physical Chemistry II: Introduction to Quantum Chemistry	2	S2	6
57316	Instrumental Analysis II	3	S1	6

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
57317	Molecular Inorganic Chemistry	3	S1	6
57318	Organic Chemistry III	3	S1	6
57319	Physical-Chemistry III: Polyatomic Molecules and Aggregations	3	S1	6
57320	Structural Analysis	3	S1	6
57321	Separation Instrumental Methods	3	S2	6
57322	Inorganic Chemistry of Solid State	3	S2	6
57323	Amplified organic chemistry	3	S2	6
57324	Physical-Chemistry IV: Kinetics in Chemistry	3	S2	6
57325	Physical-Chemistry V: Electrochemistry and Macromolecules	3	S2	6
57326	Chemical Engineering	4	S1	6
57327	Material science	4	S1	6
57328	Biochemistry	4	S1	6
57329	Projects and Management Systems	4	S1	6
57339	Work Placement	4	A	6
57340	End Work in Chemistry	4	A	12
57331	Applied Analytical Chemistry	4	S2	6
57332	Catalytic Processes	4	S2	6
57333	Chemistry and Atmospheric Pollution	4	S2	6
57334	Organic Products of Daily and Industrial Use	4	S2	6
57335	Chemical Procedures for Industry	4	S2	6
57336	Industrial Microbiology	4	S2	6
57338	Advanced Chemical Experimentation	4	S2	6

# BACHELOR'S DEGREE IN CHEMICAL ENGINEERING

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
57718	Unit Operations	3	S1	6
57719	Chemical Reaction Engineering	3	S1	6
57720	Environmental Technology	3	S1	6
57721	Materials in Chemical Engineering	3	S1	6
57722	Electrotechnics and Electronics	3	S1	6
57723	Integrated Laboratory of Unit Operations and Chemical Reaction Engineering	3	S2	6
57724	Instrumentation and Control of Chemical Processes	3	S2	6
57725	Biochemical Engineering	3	S2	6
57726	Process and Product Engineering	3	S2	6
57727	Equipment and Facility Design	3	S2	6
57728	Projects	4	S1	6
57729	Planning and control of production	4	S1	6
57730	Integrated laboratory of processes and products	4	S2	6
57731	Degree final project	4	S2	12
57732	Technology of Coal, Petroleum and Petrochemistry	4	S1	6
57733	Unit Operations of the Food and Pharmaceutical Industry	4	S1	6
57744	Simulation of Chemical and Energetic Processes	4	S1	6
57738	Analysis of Risks, Safety and Occupational Health in the Chemical Industry	4	S2	6
57739	Renewable Energy and Energy Evaluation of Chemical Processes	4	S2	6
57735	Environmental Analysis	4	S1	6

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
57736	Water Treatment Technology	4	S1	6
57737	Decontamination and Purification of effluent gases	4	S2	6
57745	Waste Management and Soil Remediation	4	S2	6
57746	Simulation of Chemical and Environmental Processes	4	S1	6

## BACHELOR'S DEGREE IN FOOD SCIENCE AND TECHNOLOGY

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
58300	Physics	1	A	9
58301	Mathematics	1	A	9
58302	Biology	1	A	9
58338	General chemistry	1	A	12
58304	Fundamentals of food science and technology	1	S1	6
58305	Microbiology	1	S2	6
58308	Human physiology	1	A	9
58306	Analytical chemistry	2	S2	6
58307	Food industry raw materials	2	S1	6
58309	Biochemistry	2	A	9
58311	Organic compounds and their characterization	2	A	9
58312	Structure and properties of food components	2	S1	6

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
58313	Food Chemistry I	2	S2	6
58314	Food industry basic operations	2	S1	6
58315	Food Technology I	2	S2	6
58339	Chemistry extended	2	S1	6
58316	Food Biotechnology	3	S1	6
58317	Food Composition and Analysis II	3	S2	6
58318	Sensory Analysis	3	S2	6
58319	Food Technology II	3	S1	6
58320	Food Safety and Hygiene I	3	S1	6
58321	Food Safety and Hygiene II	3	S2	6
58322	Economics and Management of the Food Company	3	S2	6
58323	Quality assurance and Food Laws and Standards	3	S1	6
58324	Human Nutrition	3	S1	6
58325	Dietetics and Community Nutrition	3	S2	6
58326	Meat Products	4	S1	6
58327	Dairy Products	4	S1	6
58328	Oenology	4	S1	6
58329	Edible Oils and Fats	4	S1	6
58330	Food Toxicology	4	S1	6
58331	Undergraduate dissertation	4	S2	12
58332	Work placement	4	S1	6
58333	Alcoholics and non Alcoholics Beverages	4	S2	6

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
58334	Cereales y Derivados / Cereals and derivatives	4	S2	6
58335	Envases de los Alimentos / Food packaging	4	S2	6
58336	Earth and Nutrition	4	S2	6
58337	Food Waste Characterization and Management	4	S2	6

## MASTER'S DEGREE IN CHEMICAL RESEARCH

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
310580	Quality Management of Chemical Laboratories	1	S1	6
310581	Reactivity of Coordination and Organometallic Compounds	1	S1	6
310582	Advanced Organic Chemistry	1	S1	6
310583	Advanced Chemistry Laboratory	1	S1	6
310584	Computational Chemistry	1	S1	6

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
310585	Experimental Techniques of Kinetics in Chemistry	1	S2	6
310586	Advanced Techniques of Instrumental Analysis	1	S2	6
310587	Mass Spectrometry	1	S2	6
310588	Measure and Control of Atmospheric Pollution	1	S2	6

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
310589	Fundamentals of Homogenous Catalysis	1	S2	6
310590	Advanced Techniques of Structural Determination	1	S2	6
310591	Materials in Organic Chemistry	1	S2	6
310592	Master Diploma Work	1	S2	6

## MASTER'S DEGREE IN CHEMICAL ENGINEERING

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
310740	Transport phenomena	1	S1	6
310741	Process analysis and optimization	1	S1	6
310742	Advanced separation processes	1	S1	6
310743	Process dynamics. Plantwide process control	1	S1	6
310744	Integral management of wastes and emissions in the industry	1	S1	6
310745	Design and operation of heterogeneous reactors	1	S2	6
310746	Chemical technology. Primary engineering services	1	S2	6
310747	Professional training	2	1	6
310748	Quality engineering	1	S2	6
310749	Planning, logistic and industrial organization	1	S2	6
310750	Safety and knowledge management in the chemical industry	1	S2	6
310751	Management in the chemical, energy and environmental industry	2	S1	6

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
310752	Emerging technologies in energy and environment	2	S1	6
310753	Master diploma work	2	S1	12

## ► FACULTY OF LAW AND SOCIAL SCIENCES

### BACHELOR'S DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
54301	Financial Accounting	1	A	9
54309	International Economics	2	A	9
54312	Investment and Finance	2	A	9
54313	Intermediate Microeconomics	2	S1	6
54316	Principles of Marketing	2	S2	6
54317	Spanish Economics	3	S1	6
54320	Marketing	3	S1	6
54322	Business Taxation: Introduction and Personal Taxation	3	S2	6
54323	Econometrics: Methods and Models	3	S2	6
54326	Marketing Research	3	S2	6
54327	Strategic Management	4	S1	6
54332	Topics in Microeconomics and Macroeconomics	4	S1	6



## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
54333	Economics of European Union	4	S2	4,5
54336	Statistical Techniques Applied to Business	4	S1	6

## BACHELOR DEGREE IN LABOR RELATIONS AND HUMAN RESOURCES

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
43304	Law Introduction: Norms and Efficacy	1	S1	6
43307	Administration Activities and Administrative Process	1	S2	6
43312	Labor Law I	2	S1	6
43313	Trade Union Law I	2	S1	6
43317	Labor Law II	2	S2	6
43318	Trade Union Law II	2	S2	6
43321	Negotiation and Conflict Resolution Techniques	3	S1	6
43332	Employment and Equality Public Policies	4	S2	6
43344	European Social Law	4	S2	4,5
43346	Internationalization of Global Rights and Globalization	4	S2	4.5

## BACHELOR'S DEGREE IN LAW

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
35302	Theory of Law & Jurisprudence	1	A	9
35304	Administrative Law I	1	A	9
35310	Procedural Law I-Judicial organization and civil proceedings	2	A	9

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
35313	Criminal Law II	2	S2	6
35314	Administrative Law II	2	S2	6
35318	European Union Law	3	S1	6
35320	Labor Law I	3	S1	6
35331	Argumentation and Strategic Negotiation	4	S2	4,5
35339	The Right to Development and International Cooperation	4	S2	4,5
35345	Environmental Law	4	S2	4,5
35350	Corporate Criminal Law	4	S1	4,5
35355	Public Economic Law	4	S2	4,5
35364	Globalization and Social and Economic Rights	4	S1	4,5

## ► SCHOOL OF CIVIL ENGINEERING

### BACHELOR'S DEGREE IN CIVIL AND TERRITORIAL ENGINEERING

#### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
38315	Hydraulic engineering	2	S2	6
38339	Fluvial hydraulics	3	S2	6
38331	Workshop on urban and regional development	4	S1	6
38332	Workshop on technology of structures	4	S2	6
38322	Solid Mechanics	3	S1	6
38314	Ecological engineering	2	S1	6
38333	Landscape and enviromental assessment	4	S2	6
38306	Statistics	1	S2	6
38310	Differential equations	2	S1	6
38301	Mathematical and computational tools for engineering I	1	S1	6
38300	Engineering mathematics I	1	S1	6
38305	engineering mathematics II	1	S2	6
38338	Environmental engineering	3	S1	6
38316	Strength of materials	2	S2	9
38329	Project work: multi-modal transportation station	4	S1	6
38309	Rigid body mechanics	1	S2	6
38303	Science and technology of civil engineering materials	1	S1	6

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
38320	Workshop on remote sensing and gis for territorial analysis	3	S1	6
38304	Fundamentals of physics	1	S1	6
38302	Descriptive geometry	1	S1	6
38330	Urbanization projects: urban design and urban facilities	4	S1	6

## MASTER'S IN INGENINEERING OF ROADS, CHANNELS AND PORTS

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
310805	Harbors and coasts	1	S1	4,5
310811	Workshop on structural design	2	S1	6
310803	Bridges	1	S1	4,5

## ► FACULTY OF EDUCATION

### BACHELOR'S DEGREE IN TEACHER IN EARLY CHILDHOOD EDUCATION

#### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
47300	Developmental psychology	1	A	9
47301	Motor Skills and health in early childhood education	1	S1	6
47302	Educational Psychology	1	S2	6
47307	English language and its didactics I	1	A	9
47312	Biology, health and infant feeding	2	S2	6
47315	English language and its didactics II	2	S1	6
47334	Plays areas	4	S1	4,5
46378	Communicative skills in english language I	3	S2	6
47322	Perception and expression	3	S1	6
47377	Practical methodology for infant education	4	S1	6
47388	Grammar and discourse for infant education	4	S1	6
46380	Communicative skills in english language II	4	S1	6
47387	Phonetics for infant education	4	S1	6
47364	Educational Treatment of Learning Difficulties and Specific Needs	4	S1	6

# BACHELOR'S DEGREE IN PRIMARY SCHOOL TEACHER

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
46300	Developmental Psychology	1	A	9
46301	English language and its didactics I	1	A	9
46308	English language and its didactics II	2	A	9
46319	Musical education	3	S2	6
46332	Vocal and auditory expression	3	S1	4,5
46350	Didactics of English language	3	S1	6
46352	Communicative skills in English language	3	S2	6
47376	Musical languages	3	S1	4,5
43625	Didactics of natural environment, social and cultural	4	S1	6
46337	The training of physical education teachers	4	S1	6
46369	English Language and culture	4	S1	6
46370	English literature and its texts	4	S1	6
46371	English phonetics and oral skills	4	S1	6
47363	Creative musical practices	4	S1	4,5
46339	Sports and Games teaching	4	S1	6
47362	History of music	4	S1	4,5
47364	Educational Treatment of Learning Difficulties and Specific Needs	4	S1	6
47365	Educational Treatment of the Needs Deriving from Cultural Diversity	4	S1	6

## ► HIGHER SCHOOL OF INFORMATICS

### BACHELOR'S DEGREE IN INFORMATICS ENGINEERING

#### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
42301	Physical Principles of Computing	1	S1	6
42303	Computer Technology	1	S1	6
42309	Information Systems	1	S2	6
42311	Computer Organization	2	S2	6
42312	Estructura de Datos (Data Structures)	2	S2	6
42316	Programming Methodology	2	S1	6
42317	Concurrent and Real Time Programming	2	S2	6
42319	Databases	2	S2	6
42320	Human-Computer Interaction	3	S1	6
42321	Intelligent Systems	3	S1	6
42326	Requirements Engineering	3	S2	6
42327	Software Design	3	S2	6
42328	Database Design	3	S2	6
42329	Business Information Systems	3	S2	6
42334	Operating Systems II	3	S2	6
42335	Micoprocessor-based System Design	3	S2	6
42337	Network infrastructures Desing	3	S2	6
42345	Knowledge-based Systems	3	S2	6

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
42351	Human-Computer Interaction II	3	S2	6
42330	Software Engineering Process	4	S1	6
42331	Software System Quality	4	S1	6
42332	Mangament of Software Projects	4	S1	6
42341	Systems and Services Planning an Integration	4	S1	6
42346	Multi-agent Systems	4	S1	6
42347	Interactive System Design	4	S1	6
42348	Data Mining	4	S1	6
42357	Security of Software Systems	4	S1	6
42373	VLSI Design	4	S2	6
42395	Mobile networks and services	4	S2	6

## MASTER DEGREE IN COMPUTER EINGEENING

### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
310600	Strategic Management and Business Operation	1	S1	6
310608	Auditing and Security Management	1	S1	6
310605	Interaction with and Visualisation of Information	1	S1	6
310601	Information Technology Management and Innovation Management	1	S1	6
310609	Service and Systems Management, Certification and Evaluation	1	S2	6



### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
310606	Development of Intelligent Systems	1	S2	6
310607	High Performance and Availability Computing Services	1	S2	6

## ► SCHOOL OF AGRICULTURAL ENGINEERS

### BACHELOR'S DEGREE IN AGRICULTURAL AND AGRO-FOOD ENGINEERING

#### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
60467	Food Biotechnology	4	S2	4,5
38327	Physics I	2	S1	6
38328	Physics II	2	S2	6

### BACHELOR'S DEGREE IN ENOLOGY

#### English Friendly

Code	Name of the Subject	Year	Semester	ECTS
58510	Biochemistry	1	S2	6

# CAMPUS OF **ALMADÉN**

## ► **FACULTY OF MINING AND INDUSTRIAL ENGINEERING**

### **BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING**

#### **English Friendly**

<b>Code</b>	<b>Name of the Subject</b>	<b>Year</b>	<b>Semester</b>	<b>ECTS</b>
56304	Informatic	1º	S1	6
56308	Environmental Technology	1º	S2	6
56312	Electric Technology	2º	S1	6
56313	Material Sciencie	2º	S1	6
56329	Project in the Engineering	4	S1	6
56354	Project Management	4º	S1	4,5
56402	Electronic	2º	S2	6
56405	Circuit Theory	2º	S2	6
56411	Power Electronics	3º	S1	6
56415	Project in Engineering	4º	S1	6
56430	Industrial Instrumentation	4º	S2	6
56435	Control Quality	4º	S2	6

# BACHELOR'S DEGREE IN MECHANICAL ENGINEERING

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
19505	Informatic	1	S1	6
19553	Electric And Electronic Engineering	2	S1	6
19602	Geology Of Energetic Resources	2	S2	6
19519	Mining Investigation	3	S1	6
19522	Mineral Deposits	3	S1	6
19525	Enviromental Technology	3	S2	6
19556	Mining Constrution	3	S2	6
19530	Geophisics And Geochemistry	4	S2	6
19542	Water Treatment	4	S2	4,5
19559	Drilling Technology	4	S2	6
19559	Sounding Technology	4	S2	6
19561	Electric Energy Systems	4	S1	6
19568	Metalurgy	4	S1	6
19604	Energetic Engineering	4	S1	6
56359	Vehicles Engineering	4	S2	4,5
56361	Advanced Materials	4	S1	4,5
56315	Mechanics of Deformable Solid	2	S2	6
56435	Control Quality	4	S2	6

# BACHELOR'S DEGREE IN MINING AND ENERGETIC ENGINEERING

## English Friendly

Code	Name of the Subject	Year	Semester	ECTS
19505	Informatic	1	S1	6
19553	Electric And Electronic Engineering	2	S1	6
19602	Geology Of Energetic Resources	2	S2	6
19519	Mining Investigation	3	S1	6
19522	Mineral Deposits	3	S1	6
19525	Enviromental Technology	3	S2	6
19556	Mining Constrution	3	S2	6
19530	Geophisics And Geochemistry	4	S2	6
19542	Water Treatment	4	S2	4,5
19559	Drilling Technology	4	S2	6
19559	Sounding Technology	4	S2	6
19561	Electric Energy Systems	4	S1	6
19568	Metalurgy	4	S1	6
19604	Energetic Engineering	4	S1	6
19559	Drilling Technology	4	S2	6
19604	Energetic Engineering	4	S1	6





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