



UNIVERSIDAD
DE GRANADA

EUROPEAN ACCREDITATION



CONTACT INFO

WHERE IS OUR SCHOOL?

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Degree in Civil Engineering Master in Civil Engineering

University of Granada





WHY STUDY CIVIL ENGINEERING IN GRANADA?

✓ A HIGH-RANKING UNIVERSITY

According to the 2018 Shanghai Academic Ranking of World Universities (ARWU), the UGR is the third-highest ranked university in Spain.

✓ A TRULY INTERNATIONAL EXPERIENCE

The UGR is a welcoming cosmopolitan university: about 10% of undergraduate and 20% of postgraduate students at our university are international.

✓ LANGUAGE LEARNING OPPORTUNITIES

Students can learn Spanish and other languages alongside the 10,000 local and international students who enroll each year in courses offered by the UGR's Modern Languages Centre.

✓ WORLD-CLASS RESEARCH

The UGR is internationally renowned for its excellence in diverse research fields, such as Civil Engineering.

✓ OUTSTANDING FACILITIES AND ACTIVITIES

The UGR offers a wide range of top-quality services for its students (accommodation, libraries, Wi-Fi, refectories, disabled facilities, sports and many more).

✓ AN IDEAL UNIVERSITY CITY

The UGR merges with the city, its schools and campuses distributed throughout Granada, giving the city a lively student atmosphere (more than 60,000 students in a city of 250,000 inhabitants).

✓ AN UNBEATABLE LOCATION

Granada has an outstanding geographical location just 40 min. from the Mediterranean Coast with its tropical climate, and 30 min. from the Sierra Nevada ski resort.

✓ COMMITMENT TO SUSTAINABLE DEVELOPMENT AND COOPERATION

The UGR is firmly committed to the UN Sustain. Develop. Goals. Students take part in local community service and international development cooperation activities.

ENGINEERING DEGREE IN CIVIL ENGINEERING DEGREE IN CIVIL ENGINEERING DEGREE IN CIVIL ENGINEERING DEGREE IN CIVIL ENGINEERING

COURSE			COURSE		
1 ST	SEMESTER	ECTS	SEMESTER	ECTS	
		60			30
FUNDAMENTALS OF COMPUTER SCIENCE	1	6	SPECIALIZATION: HYDROLOGY		
GEOLOGY	1	6	ENVIRONMENTAL ENGINEERING AND WATER QUALITY	1	6
GRAPHIC ENGINEERING I	1	6	FURTHER HYDRAULICS AND HYDROLOGY	1	6
MATHEMATICAL ANALYSIS	1	6	POWER SYSTEMS	1	6
PHYSICS	1	6	HYDRAULIC WORKS I	2	6
APPLIED MATHEMATICS	2	9	SANITATION ENGINEERING	2	6
LEGISLATION IN CIVIL ENGINEERING	2	3	SPECIALIZATION: TRANSPORTS AND URBAN SERVICES		30
SCIENCE AND TECHNOLOGY OF MATERIALS	2	6	REGIONAL PLANNING	1	6
STATISTICS	2	6	ROADS AND AIRPORTS	1	6
TOPOGRAPHY	2	6	TRANSPORT SYSTEMS	1	6
			URBAN PLANNING	2	6
2 ND		60	OPTION	2	6
ENVIRONMENTAL IMPACT	1	3	4 TH COURSE		60
FURTHER MATHEMATICS	1	6	COMMON AND COMPULSORY SUBJECTS		24
MECHANICS FOR ENGINEERS	1	9	ORGANIZATION AND MANAGEMENT OF PROJECTS	1	6
SOIL AND ROCK MECHANICS. GEOTECHNICS	1	6	STEEL STRUCTURES	1	6
TERRITORIAL PLANNING AND HISTORY OF CIVIL ENGINEERING	1	6	FINAL DEGREE PROJECT	2	12
ELECTRICAL ENGINEERING	2	6	SPECIALIZATION: CIVIL CONSTRUCTION		36
FOUNDATIONS IN CIVIL ENGINEERING	2	3	BUILDING	1	6
GRAPHIC ENGINEERING II	2	6	CONSTRUCTION PROCEDURES II	1	9
HYDRAULICS AND HYDROLOGY	2	9	PREFABRICATED ELEMENTS	1	3
ORGANIZATION AND MANAGEMENT OF CONSTRUCTION BUSINESSES	2	6	RAILWAYS	2	6
3 RD		60	OPTION	2	12
COMMON AND COMPULSORY SUBJECTS		30	SPECIALIZATION: HYDROLOGY		36
HEALTH AND SAFETY IN CONSTRUCTION WORKS	1	3	HYDRAULIC WORKS II	1	6
STRUCTURAL ANALYSIS	1	6	LITORAL HYDRAULICS	1	6
CONSTRUCTION PROCEDURES I	2	6	HYDROGEOLOGY AND GROUNDWATER MANAGEMENT	2	3
REINFORCED CONCRETE	2	6	HYDROLOGICAL PLANNING	2	3
THEORY OF STRUCTURES	2	9	OPTION	1-2	18
CHOOSE FROM			SPECIALIZATION: TRANSPORTS AND URBAN SERVICES		36
SPECIALIZATION: CIVIL CONSTRUCTION		30	INTERMODALITY: INFRASTRUCTURE AND SERVICES	1	6
GEOTECHNICS OF CIVIL WORKS	1	6	URBAN SANITATION ENGINEERING	1	6
MARINE AND COASTAL ENGINEERING	1	6	LIGHTING TECHNIQUES	2	3
ROADS	1	6	PORTS AND COASTAL INTEGRATED MANAGEMENT	2	3
SANITATION ENGINEERING IN CIVIL CONSTRUCTION	2	6	RAILWAY AND GUIDED TRANSPORT	2	6
OPTION	2	6	OPTION	1-2	12
			TOTAL		240

ENGINEERING MASTER IN CIVIL ENGINEERING MASTER IN CIVIL ENGINEERING MASTER IN CIVIL ENGINEERING MASTER IN CIVIL ENGINEERING

COURSE			COURSE		
1 ST	SEMESTER	ECTS	2 ND	SEMESTER	ECTS
		60,0			60,0
ADVANCED AND COMPUTATIONAL FLUID MECHANICS	1	4,5	BRIDGES	1	6,0
ADVANCED POWER SYSTEMS IN ENGINEERING	1	3,0	CONSTRUCTION PROJECT MANAGEMENT	1	4,5
CONTINUUM MECHANICS	1	4,5	OCEAN, ATMOSPHERIC AND COASTAL DYNAMICS	1	3,0
PARTIAL DIFFERENTIAL EQUATIONS	1	4,5	PLANNING, DESIGN AND MANAGEMENT OF HYDRAULIC STRUCTURES	1	3,0
SIMULATION AND ANALYSIS OF ENVIRONMENTAL SYSTEMS	1	4,5	TRANSPORT PLANNING AND MANAGEMENT	1	4,5
URBAN PLANNING AND MANAGEMENT	1	4,5	FINAL MASTER PROJECT	2	12,0
ADVANCED TECHNIQUES IN CONSTRUCTION	2	3,0	WORK PLACEMENT	2	6,0
ADVANCED KNOWLEDGE OF TERRAIN ENGINEERING	2	6,0	OPTION	1-2	21,0
ADVANCED STRUCTURAL ANALYSIS	2	6,0	TOTAL		120
AIRPORTS	2	3,0			
PRESTRESSED CONCRETE	2	3,0			
WASTEWATER TREATMENT AND URBAN WASTE MANAGEMENT	2	4,5			
OPTION	1-2	9,0			