

Course	ECTS	Code	Course	ECTS
Basic sciences	LOIG	Ooue	oourse .	LOIG
Mathematics fundamentals	6	250206	Mathematic fundamentals	6
Linear algebra	6	250201	Linear algebra	6
Chemistry of materials	6		Chemistry of materials	7,5
Applied geology	6		Applied geology	6
Applied geology Applied physics	6		Applied physics	6
Business & construction legislation	6		Business & construction legislation	6
Sciences Applied to Engineering	0	230203	Business & Construction registation	C
Mechanics I	6	250208	Mechanics	9
Mechanics II	6	230200	IVIECTIALICS	8
		050000	Calautua	-
Calculus	6	250202		6
Vector calculus & differential equations	6	250221	Differential equations	4,5
Construction materials	6	250223		6
Urbanism & regional systems	6	250238	Urbanism & regional systems	4,5
Introduction to Technology		050000	I bester dies	-
Hydraulics	6		Hydraulics	9
Strength of materials	6		Strength of materials	6
Numerical methods in engineering	6		Numerical methods & informatics	7,5
Geotechnics	6	250230	Geotechnics	9
Engineering Tools	1			
Graphic expression	6		Graphic expression	7,5
Geomatics	6		Geomatics & surveying	7,5
Probability & statistics	6		Descriptive statistics	7,5
Representation techniques	6	250226	Representation techniques	6
Structural & Foundation Engineering				
Structures	6	250231	Structures	6
Reinforced concrete	6	250232	Reinforced concrete	6
Metallic constructions	6		Metallic constructions	6
Geotechnical engineering	4,5	250240	Geotechnical engineering	4,5
Water Technologies				
Surface & groundwater hydrology I	6	250233	Surface & groundwater hydrology I	4,5
Environmental technology	6	250236	Environmental technology	4,5
Maritime constructions	4,5	250241	Maritime constructions	4,5
Transportation Technologies				
Transportation systems	6			
Transportation infrastructures	6	250235	Transport infrastructures	7,5
Itinerary in Technologies Applied to Civil Construction				
Structural design (mandatory)	6	250244	Structural design	6
Construction of bridges & other structures (mandatory)	6	250243	Construction of bridges & other structures	6
Building construction & prefabrication (mandatory)	7,5	250242		7,5
Prestressed concrete (elective)	4,5		Prestressed concrete	4,5
Introduction to structure management (elective)	4,5		Introduction to structural management	4,5
Construction management (elective)	4,5	250266		4,5
Geotechnical constructions (elective)	4,5		Ü	,,-
Itinerary in Technologies Applied to Hydrology	.,5			
Hydraulic constructions (mandatory)	6	250254	Hydraulic constructions	6
Sanitary engineering (mandatory)	4,5		Sanitary engineering	4,5
Surface & groundwater hydrology II (mandatory)	4,5	250252		4,5
Carrace a groundwater rigardiby if (manualory)	, , ,,	200202	Carrage & argurawater rivardicay ii	7.0



Environmental impact on maritime works (elective)	4,5	250264	Environmental impact on maritime works	4,5
Water supply (elective)		250257	Water supply	4,5
Design & analysis tools in hydraulic engineering (elective)		250256	Instrumentation & testing in hydraulic works	4,5
Itinerary in Technologies Applied to Urban Transportation			5 ,	•
Construction of transportation infrastructures (mandatory)	6	250248	Construction of transport infrastructures	6
Transportation management (mandatory)	6	250249	Transportation management	6
Administration, urban planning & public services (mandatory)	7,5	250247	Administration, urban planning & public services	7,5
Elements of urban sustainability (elective)	4,5	250251	Urbanization & management of urban environment	4,5
Infrastructure preservation (elective)	4,5	250250	Maintenance of infrastructures	4,5
Urban logistics & transportation terminals (elective)	4,5	250265	Urban logistics & transport terminals	4,5
Common Electives		•		
Graphic design & numerical analysis	4,5	250261	Graphic design & numerical analysis	4,5
Geographic information systems & teledetection	4,5	250258	Geographical Information Systems & teledetection	4,5
History of civil engineering	4,5	250260	History of public constructions	4,5
Social impact of public constructions	4,5	250259	Social impacts of the public constructions	4,5
Machine learning & data science	4,5			
Recognition of additional university activities	6		Recognition of additional university activities	6
Project & Construction of Works and Infrastructures				
Construction procedures & electrotechnics	6	250228	Construction methods & electrical engineering	6
Construction management	6	250237	Organisation, measurement & budget for public works	7,5
Public works project	6	250239	Project & construction of public works	4,5
Thesis			<u>'</u>	
Bachelor's thesis	12			