

Academic year: 2016/2017

Degree: **(V12G350V01) Bachelor's Degree in Chemical Engineering**

Centre: EEI CAMPUS (1st Year), EEI CIDADE (1st,2nd,3rd & 4th Year)

http://eei.uvigo.es/eei_en/estudios/gaos/enxenaria-quimica-industrial/index.html

[Link to syllabuses](#)

1st Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G350101	Fundamentals of Engineering Graphics	9.00	G350201	Introduction to Business Management	6.00
G350102	Physics: Physics I	6.00	G350202	Physics: Physics II	6.00
G350103	Mathematics: Algebra & Statistics	9.00	G350203	Computing for Engineering	6.00
G350104	Mathematics: Calculus I	6.00	G350204	Mathematics: Calculus II & Differential equations	6.00
			G350205	Chemistry: Chemistry	6.00
2nd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G350301	Thermodynamics and Heat Transfer	6.00	G350401	Fluid Mechanics	6.00
G350302	Fundamentals of Electrical Engineering	6.00	G350402	Electronic Technology	6.00
G350303	Mechanism and Machine Theory	6.00	G350403	Automation and Control Fundamentals	6.00
G350304	Fundamentals of Systems & Manufacturing Technologies	6.00	G350404	Mechanics of Materials	6.00
G350305	Materials Science and Technology	6.00	G350405	Chemical Engineering I	6.00
3rd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G350501	Basics of Operations Management	6.00	G350601	Reactors and Biotechnology	9.00
G350502	Environmental Technology	6.00	G350602	Experimentation in Industrial Chemistry II	6.00
G350503	Chemical Engineering II	6.00	G350603	Control & Instrumentation of Chemical Processes	9.00
G350504	Industrial Chemistry	6.00	G350604	Projects Elaboration & Management in Engineering	6.00
G350505	Experimentation in Industrial Chemistry I	6.00			
4th Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G350701	Product Optimization	6.00	G350991	Bachelor Degree Thesis (Supervisor required)	12.00
G350702	Simulation and Optimisation of Chemical Processes	6.00			
<i>Itinerary Process Control and Optimization :</i>					
G350912	Management and Implementation of Chemical Plants and Processes	9.00	G350913	Heating and Cooling in the Process Industry	6.00
G350911	Plant Integration in Business Management	9.00	G350914	Design of Chemical and Processing Plants	6.00
<i>Itinerary Biotechnological Products and Environment :</i>					
G350921	Bioelectrochemistry	6.00	G350925	Environmental Management Techniques	6.00
G350923	Industrial Organic Chemistry	6.00	G350924	Modelling of Biotechnological Processes	6.00
G350922	Biotechnological Processes and Products	6.00			
General Elective subjects: Select one course from the list below					
G350902	Electrical Components in Vehicles	6.00			
G350903	Technical English I	6.00			
G350904	Technical English II	6.00			
G350905	Methodology for the Preparation, Presentation and Management of Technical Projects	6.00			
G350906	Advanced Programming for Engineering	6.00			
G350907	Safety and Industrial Hygiene	6.00			
G350908	Laser Technology	6.00			
G350999	Internship in Companies	6.00			

1st Semester = from September to January approx.

2nd Semester = from January to May approx.

Academic year: 2016/2017

Degree: **(V12G330V01) Bachelor's Degree in Industrial Electronic & Automation Engineering**
Centre: EEI CAMPUS(1st,2nd,3rd & 4th Year), EEI CIDADE (1st,2nd,3rd Year)

http://eei.uvigo.es/eei_en/estudios/graos/enxenaria-electronica-industrial-automatica/index.html

[Link to syllabuses](#)

1st Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G330101	Fundamentals of Engineering Graphics	9.00	G330201	Introduction to Business Management	6.00
G330102	Physics: Physics I	6.00	G330202	Physics: Physics II	6.00
G330103	Mathematics: Algebra & Statistics	9.00	G330203	Computing for Engineering	6.00
G330104	Mathematics: Calculus I	6.00	G330204	Mathematics: Calculus II & Differential equations	6.00
			G330205	Chemistry: Chemistry	6.00
2nd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G330301	Science & Technology of Materials	6.00	G330401	Automation and Control Fundamentals	6.00
G330302	Fundamentals of Manufacturing Systems & Technologies	6.00	G330402	Fundamentals of Electronics	6.00
G330303	Basics of Circuit Analysis & Electrical Machines	6.00	G330403	Basics of Operations Management	6.00
G330304	Mechanism and Machine Theory	6.00	G330404	Fluid Mechanics	6.00
G330305	Thermodynamics and Heat Transfer	6.00	G330405	Mechanics of Materials	6.00
3rd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G330501	Industrial Informatics	6.00	G330601	Digital Electronics and Microcontrollers	9.00
G330502	Additional Topics (in Mathematics & Fluid Systems)	9.00	G330602	Control Engineering I	9.00
G330503	Electronic Instrumentation I	6.00	G330603	Environmental Technology	6.00
G330505	Three-phase Systems & Electrical Machines	9.00	G330604	Projects Elaboration & Management in Engineering	6.00
4th Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G330701	Power Electronics	6.00	G330991	Bachelor Degree Thesis (Supervisor required)	12.00
G330702	Industrial Robotics	6.00			
Itinerary Automation :					
G330911	Control Engineering II	6.00	G330914	Industrial Automation	6.00
G330912	Industrial Communication Networks	6.00	G330915	Laboratory of Programmable Digital Systems	6.00
G330913	Real-Time Control Systems	6.00			
Itinerary Electronics :					
G330921	Electronic Instrumentation II	6.00	G330924	Industrial Electronics	6.00
G330922	Electronic Communication Systems	6.00	G330925	Control Engineering Laboratory	6.00
G330923	Digital Electronic Systems	6.00			
General Elective subjects: Select one course from the list below					
G330902	Electrical Components in Vehicles	6.00			
G330903	Technical English I	6.00			
G330904	Technical English II	6.00			
G330905	Methodology for the Preparation, Presentation and Management of Technical Projects	6.00			
G330906	Advanced Programming for Engineering	6.00			
G330907	Safety and Industrial Hygiene	6.00			
G330908	Laser Technology	6.00			
G330999	Internship in Industry	6.00			

1st Semester = from September to January approx.

2nd Semester = from January to May approx.

Academic year: 2016/2017

Degree: **(V12G360V01) Bachelor's Degree in Technology Engineering**

Centre: EEI CAMPUS (1st Year), EEI CIDADE (1st,2nd,3rd & 4th Year)

http://eei.uvigo.es/eei_en/estudos/graos/enxenaria-tecnoloxias-industriais/

[Link to syllabuses](#)

1st Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G360101	Fundamentals of Engineering Graphics	9.00	G360201	Introduction to Business Management	6.00
G360102	Physics: Physics I	6.00	G360202	Physics: Physics II	6.00
G360103	Mathematics: Algebra & Statistics	9.00	G360203	Computing for Engineering	6.00
G360104	Mathematics: Calculus I	6.00	G360204	Mathematics: Calculus II & Differential equations	6.00
			G360205	Chemistry: Chemistry	6.00
2nd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G360301	Materials Science and Technology	6.00	G360401	Electronic Technology	6.00
G360302	Basics of Circuit Analysis & Electrical Machines	6.00	G360402	Fundamentals of Manufacturing Systems & Technologies	6.00
G360303	Mechanism and Machine Theory	6.00	G360403	Fluid Mechanics	6.00
G360304	Automation and Control Fundamentals	6.00	G360404	Mechanics of Materials	6.00
G360305	Basics of Operations Management	6.00	G360405	Thermodynamics and Heat Transfer	6.00
3rd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G360501	Applied Electrotechnics	6.00	G360602	Machine Design and Testing	6.00
G360502	Materials Engineering	6.00	G360603	Elasticity & Additional Topics in Mechanics of Materials	6.00
G360503	Physics III	6.00	G360604	Manufacturing Engineering	6.00
G360504	Hydraulic Turbomachines	6.00	G360605	Electrical Machines	6.00
G360505	Specialized Mathematics	6.00	G360606	Chemical Technology	6.00
4th Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G360702	Projects Elaboration and Management in Engineering	6.00	G360802	Basics of Business Administration	6.00
G360703	Environmental technology	6.00	G360801	Control and Industrial Automation	6.00
G360704	Thermal Engineering	6.00	G360991	Bachelor Degree Thesis (supervisor required)	12.00
G360701	Electronic Instrumentation	6.00			
G360705	Electrical Systems	6.00			
General Elective subjects: Select one course from the list below					
G360902	Electrical Components in Vehicles	6.00			
G360903	Technical English I	6.00			
G330904	Technical English II	6.00			
G360905	Methodology for the Preparation, Presentation and Management of Technical Projects	6.00			
G360906	Advanced Programming for Engineering	6.00			
G360907	Safety and Industrial Hygiene	6.00			
G360908	Laser Technology	6.00			
G360999	Internship in Industry	6.00			

1st Semester = from September to January approx.

2nd Semester = from January to May approx.

Academic year: 2016/2017

Degree: **(V12G380V01) Bachelor's Degree in Mechanical Engineering**
 Centre: EEI CAMPUS: 1st,2nd,3rd, 4th Year (Machines, Transports) EEI CIDADE: 1st,2nd,3rd & 4th Year (Mechanical Design & Manufacturing Processes, Constructions & Installations)

http://eei.uvigo.es/eei_en/estudos/graos/enxenaria-mecanica/index.html

[Link to syllabuses](#)

1st Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G380101	Fundamentals of Engineering Graphics	9.00	G380201	Introduction to Business Management	6.00
G380102	Physics: Physics I	6.00	G380202	Physics: Physics II	6.00
G380103	Mathematics: Algebra & Statistics	9.00	G380203	Computing for Engineering	6.00
G380104	Mathematics: Calculus I	6.00	G380204	Mathematics: Calculus II & Differential equations	6.00
			G380205	Chemistry: Chemistry	6.00
2nd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G380302	Thermodynamics and Heat Transfer	6.00	G380301	Materials Science and Technology	6.00
G380303	Fundamentals of Electrical Engineering	6.00	G380402	Mechanics of Materials	6.00
G380305	Fundamentals of Manufacturing Systems & Technologies	6.00	G380403	Automation and Control Fundamentals	6.00
G380306	Mechanism and Machine Theory	6.00	G380404	Electronic Technology	6.00
G380401	Environmental Technology	6.00	G380405	Fluid Mechanics	6.00
3rd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G380501	Thermal Engineering I	9.00	G380304	Machine Design I	6.00
G380502	Elasticity & Additional Topics in Mechanics of Materials	9.00	G380601	Basics of Operations Management	6.00
G380504	Materials Engineering	6.00	G380602	Graphic Engineering	6.00
G380505	Fluid Machines	6.00	G380603	Theory of Structures and Industrial Constructions	6.00
			G380604	Manufacturing Engineering and Dimensional Quality	6.00
4th Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
			G380991	Bachelor Degree Thesis (supervisor required)	12.00
Itinerary Machinery :					
G380701	Projects Elaboration and Management in Engineering - Machinery	6.00	G380914	Hydraulic Machines and Oleo-pneumatic Systems Design	6.00
G380911	Machine Design II	6.00	G380915	Computer-aided Mechanical Design	6.00
G380912	Materials and Technologies in Mechanical Manufacturing	9.00			
G380913	Thermal Engines and Machines	9.00			
Itinerary Transports :					
G380941	Automobiles and Railways	6.00	G380701	Projects Elaboration and Management in Engineering - Transports	6.00
G380942	Fluidmechanic Systems & Advanced Materials for Transportation	12.00	G380944	Hybrid and Electric Automotive Vehicles	6.00
G380943	Powertrain Systems	6.00			
G380945	Transport Engineering	6.00			
Itinerary Mechanical Design and Manufacturing Processes :					
G380701	Projects Elaboration and Management in Engineering - Design and Manufacturing Processes	6.00	G380934	Systems for Product Design and Development	6.00
G380931	Product Design and Communication, and Automation of Plant Elements	9.00	G380935	Advanced Manufacturing Technologies	6.00
G380932	Materials, Tools and Manufacturing Resources	9.00			
G380933	Systems for Data Analysis, Simulation and Validation	6.00			
Itinerary Constructions and Installations :					
G380921	Concrete Structures	6.00	G380701	Projects Elaboration and Management in Engineering - Constructions and Installations	6.00
G380922	Metal Structures	6.00	G380925	Additional Topics in Structures and Foundations	6.00
G380923	Electrical Installations, Surveying and Construction	9.00			
G380924	Thermal and Fluid Installations	9.00			
General Elective subjects: Select one course from the list below					
	G380902	Electrical Components in Vehicles			6.00
	G380903	Technical English I			6.00
	G380904	Technical English II			6.00
	G380905	Methodology for the Development, Presentation and Management of Technical Projects			6.00
	G380906	Advanced Programming for Engineering			6.00
	G380907	Industrial Hygiene and Safety			6.00
	G380908	Laser Technology			6.00
	G380999	Internship in Industry			6.00

1st Semester = from September to January approx.

2nd Semester = from January to May approx.

Academic year: 2016/2017

Degree: **(V12G340V01) Bachelor's Degree in Engineering Management**
Centre: EEI CAMPUS (1st,2nd,3rd & 4th Year), EEI CIDADE (1st Year)

http://eei.uvigo.es/eei_en/estudios/graos/enxenaria-organizacion-industrial/

[Link to syllabuses](#)

1st Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G340101	Fundamentals of Engineering Graphics	9.00	G340201	Introduction to Business Management	6.00
G340102	Physics: Physics I	6.00	G340202	Physics: Physics II	6.00
G340103	Mathematics: Algebra & Statistics	9.00	G340203	Computing for Engineering	6.00
G340104	Mathematics: Calculus I	6.00	G340204	Mathematics: Calculus II & Differential equations	6.00
			G340205	Chemistry: Chemistry	6.00
2nd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G340302	Thermodynamics and Heat Transfer	6.00	G340301	Materials Science and Technology	6.00
G340303	Fundamentals of Electrical Engineering	6.00	G340402	Electronic Technology	6.00
G340304	Mechanism and Machine Theory	6.00	G340403	Automation and Control Fundamentals	6.00
G340305	Fundamentals of Manufacturing Systems & Technologies	6.00	G340404	Mechanics of Materials	6.00
G340401	Fluid Mechanics	6.00	G340405	Basics of Operations Management	6.00
3rd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G340306	Environmental Technology	6.00	G340601	Operations Management	6.00
G340501	Product Management and Customer Service	6.00	G340602	Quality, Safety and Sustainability Management	6.00
G340502	Quantitative Methods in Industrial Engineering	6.00	G340603	Work Management and Human Factors	6.00
G340701	Manufacturing Technologies and Systems	6.00	G340801	Electronic Instrumentation	6.00
G340702	Control and Industrial Automation	6.00	G340802	Thermal Technology	6.00
			G340803	Materials Engineering	6.00
			G340804	Electrical Technology	6.00
4th Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G340307	Projects Elaboration and Management in Engineering	6.00	G340991	Bachelor Degree Thesis (supervisor required)	12.00
G340503	Business Administration	6.00			
G340504	Information Systems in Management Engineering	6.00			
Itinerary <i>Production and Logistics</i> :					
G340911	Quantitative Methods and Management Tools	6.00	G340914	Information Systems and Integrated Management Systems	6.00
G340912	Warehouse and Transport Management	6.00	G340913	Instruments of Control and Management of Companies	6.00
Itinerary <i>Business Management</i> :					
G340922	Enterprise Assets Management	6.00	G340924	Innovation and Technology Management	6.00
G340921	Tools for Organisation and Business Management	6.00	G340923	Business Administration and Organization	6.00
General Elective subjects: Select one course from the list below					
	G340902	Electrical Components in Vehicles			6.00
	G340903	Technical English I			6.00
	G340904	Technical English II			6.00
	G340905	Methodology for the Preparation, Presentation and Management of Technical Projects			6.00
	G340906	Advanced Programming for Engineering			6.00
	G340907	Safety and Industrial Hygiene			6.00
	G340908	Laser Technology			6.00
	G340999	Internship in Industry			6.00

1st Semester = from September to January approx.

2nd Semester = from January to May approx.

Academic year: 2016/2017

Degree: **(V12G320V01) Bachelor's Degree in Electrical Engineering**
Centre: EEI CAMPUS (1st,2nd,3rd & 4th Year), EEI CIDADE (1st Year)

http://eei.uvigo.es/eei_en/estudos/graos/enxenaria-electrica/

[Link to syllabuses](#)

1st Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G320101	Fundamentals of Engineering Graphics	9.00	G320201	Introduction to Business Management	6.00
G320102	Physics: Physics I	6.00	G320202	Physics: Physics II	6.00
G320103	Mathematics: Algebra & Statistics	9.00	G320203	Computing for Engineering	6.00
G320104	Mathematics: Calculus I	6.00	G320204	Mathematics: Calculus II & Differential equations	6.00
			G320205	Chemistry: Chemistry	6.00
2nd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G320301	Materials Science and Technology	6.00	G320401	Electrical Engineering	9.00
G320302	Thermodynamics and Heat Transfer	6.00	G320404	Fundamentals of Electronics	6.00
G320303	Fluid Mechanics	6.00	G320405	Automation and Control Fundamentals	6.00
G320304	Basics of Circuit Analysis and Electrical Machines	6.00	G320502	Thermal and Fluid Machines in Power Plants and Renewable Energies	9.00
G320305	Mechanism and Machine Theory	6.00			
3rd Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G320501	Power Electronics and Automatic Control	9.00	G320601	Design and Calculation of Electrical Machines	6.00
G320503	Electrical installations I	6.00	G320602	Electrical installations II	6.00
G320504	Electrical Machines	9.00	G320603	Fundamentals of Manufacturing Systems and Technologies	6.00
G320505	Mechanics of Materials	6.00	G320604	Environmental Technology	6.00
			G320605	Basics of Operations Management	6.00
4th Year					
Code	1st Semester	ECTS	Code	2nd Semester	ECTS
G320701	Control of Machines and Electrical Functions	6.00	G320801	Power Generation with Renewable Energies	6.00
G320702	Power Plants	6.00	G320802	Electric Power Systems	6.00
G320703	Electricity Lines and Electric Transportation	6.00	G320991	Bachelor Degree Thesis (supervisor required)	12.00
G320704	Projects Elaboration and Management in Engineering	6.00			
	Optional subjects: Select one course from the list below				
G320911	Quality of Electrical Energy	6.00			
G320912	Electrification and Electric traction	6.00			
G320914	Special Electrical Installations	6.00			
	General Elective subjects: Select one course from the list below				
G320902	Electrical Components in Vehicles	6.00			
G320903	Technical English I	6.00			
G320904	Technical English II	6.00			
G320905	Methodology for the Preparation, Presentation and Management of Technical Projects	6.00			
G320906	Advanced Programming for Engineering	6.00			
G320907	Safety and Industrial Hygiene	6.00			
G320908	Laser Technology	6.00			
G320999	Internship in Industry	6.00			

1st Semester = from September to January approx.

2nd Semester = from January to May approx.