

ACADEMIC YEAR 2022-23

# Courses in English

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Vice-Rectorate for  
Internationalisation





# Index

WHY CHOOSE CEU?	05
MONCLOA CAMPUS	06
MONTEPRÍNCIPE CAMPUS	08
SCHOOL OF BUSINESS AND ECONOMICS	10
SCHOOL OF HUMANITIES AND COMMUNICATION SCIENCES	14
SCHOOL OF LAW	22
INSTITUTE OF TECHNOLOGY	26
SCHOOL OF PHARMACY	32
SCHOOL OF MEDICINE	34





# Why Choose CEU?



## Over 85 Years of History

We are one of the oldest private schools in Spain and have a broad network of alumni present in more than 40 countries. CEU is a prestigious and solid educational institution with more than 85 years of experience in high-level teaching.



## Internationally Driven

We offer a large number of Bachelor's degrees, both bilingual and in English, as well as other optional languages through supplementary programs. We also offer a large variety of international and study-abroad programs which will allow you to complete part of your degree in some of the best universities in the world.



## Partnerships with Companies

We have collaboration agreements in place with more than 9,000 companies and institutions, allowing our students to complete internships in Spain and abroad.



## Comprehensive Education

We walk alongside students so they can fulfill their maximum potential, and we prepare them to become outstanding professionals but, more importantly, persons of integrity, with an education based on the values of Christian Humanism.



## Research Oriented

We are the 3<sup>rd</sup> private university in Spain with the highest output of scientific research and the 1<sup>st</sup> in the Autonomous Community of Madrid.



## Leaders in Scholarships

We rank first among Spanish private universities in terms of the greatest investment in merit and academic excellence scholarships, as well as in financial aid.



# Moncloa Campus



## School of Humanities and Communication Sciences

Paseo Juan XXIII, 3 • 28040 • Madrid

The School is provisionally located at the Fundación Pablo VI, across where it used to be, while construction of the new building is taking place.

- Television studios
- Radio and sound recording studios
- Editing and post-production rooms
- Photo laboratory
- The Hub



\*The new School of Humanities and Communication Sciences is currently under construction.



## School of Law

Av. del Valle 21 • 28003 • Madrid

- Mock trial room
- Institute of European Studies
- Institute of Democracy Studies
- Institute of Family Studies
- Institute of Historic Studies
- European Documentation Center
- Debate Club

## School of Business and Economics

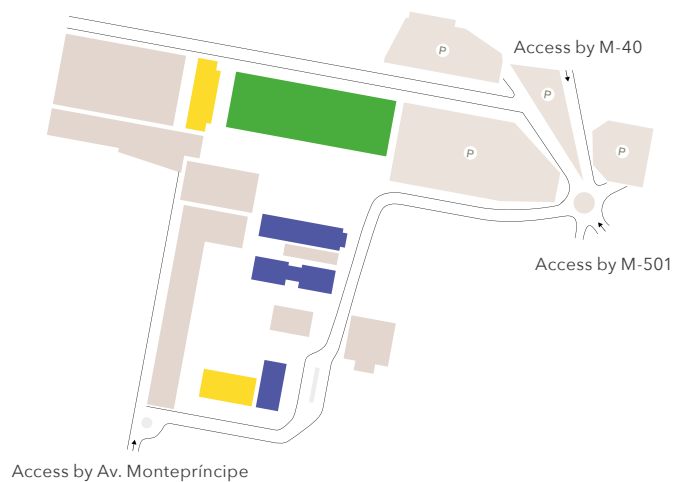
C. Julián Romea 23 • 28003 • Madrid

- Innova Hall
- Bloomberg room
- Economic and business current affairs sessions
- SPSS and SAS laboratory
- The Entrepreneur Club



# Montepríncipe Campus

- Institute of Technology
- School of Pharmacy
- School of Medicine
- Other Campus' Facilities



## School of Pharmacy

Urb. Montepríncipe • 28668 • Alcorcón

- Metabolomics and Bioanalysis Center of Excellence (CEMBIO)
- 64 research and teaching laboratories
- Pharmacy virtual room
- Optical shop virtual room
- Metabolism and body composition unit
- Experimental cuisine kitchen



## Institute of Technology

Urb. Montepríncipe • 28668 • Alcorcón

- Digital Fabrication (FabLab CEU)
- Infrastructure laboratory
- Habitability and development laboratory
- Architectural Modeling workshop
- Architectural Prototyping and Innovation workshops
- Biomedical engineering laboratory

## School of Medicine

Urb. Montepríncipe • 28668 • Alcorcón

- Our very own University Polyclinic for practices in Dentistry, Physical Therapy, Psychology, and Nutrition
- Centro Integral Oncológico Clara Campal, Centro Integral de Enfermedades Cardiovasculares, and Centro Integral de Neurociencias
- Institute of Applied Molecular Medicine
- Research and teaching laboratories





# School of Business and Economics

## Bachelor Degree in Business Administration

YEAR	SUBJECT	ECTS	SEM
1st	Fundamentals of Management	6	S1
	Economic Theory I	6	S1
	Mathematics I	6	S1
	Microeconomics	6	S1
	Statistics I	3	S1
	Creative Thinking	3	S1
	Keys of Contemporary History	6	S1
	Introduction to Financial Accounting	6	S2
	Company Law	6	S2
	Data Analysis Tools	3	S2
	Fundamentals of Marketing	6	S2
	Business Civil Law	6	S2
	Mathematics II	6	S2
	Ethics	3	S2
2nd	Business Management and Organization I	6	S1
	Macroeconomic and Monetary Theory	6	S1
	Modern Language	6	S1
	Financial Accounting	6	S1
	Economic Policy	6	S2
	Structure and International Market	6	S1
	Business Management and Organization II	6	S2
	Mathematics II	6	S2
	Cost Accounting	6	S2
	The Spanish and Comparative Tax Systems	6	S2

YEAR	SUBJECT	ECTS	SEM
3rd	Commercial Management and Administration	9	S1
	Business Finance	6	S1
	Balance Sheet Analysis	6	S1
	Statistics and Business Econometrics	9	S1
	Social Doctrine of the Catholic Church	6	S2
	Economic History	6	S2
	Financial Management	6	S2
	Financial Instruments	6	S2
	Operational Company Management	6	S2
4th	The Spanish and Comparative Tax Systems II	6	S1
	Business Policy	6	S1
	Human Resources Management	6	S1
	Corporate Finance	6	S1
	Professional Deontology and Ethics in Business Grouping 4.08 GAM.	6	S1
	Information Systems for Management Grouping 4.08 GAM.	6	S2
	Business Strategy Management Grouping 4.08 GAM.	6	S2

ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester

# School of Business and Economics

## Bachelor Degree in Marketing

YEAR	SUBJECT	ECTS	SEM
3rd	Commercial Distribution	6	S1
	Market Research in Marketing I	6	S1
	Commercial Information and Communication	6	S1
	E-Commerce	6	S1
	Social Doctrine of the Catholic Church	6	S2
	Consumer Behavior	6	S2
	Advertising Management	6	S2
	Commercial Logistics	6	S2
	Merchandising	6	S2
	Marketing Information and Advertising	6	S2
4th	International Marketing	6	S1
	Business Simulation	6	S1
	Market Research in Marketing II	6	S1
	Strategic Marketing	6	S1
	Sales Management	6	S2

ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester

## Bachelor Degree in Economics

YEAR	SUBJECT	ECTS	SEM
1st	Introduction to Microeconomics	6	S1
	Labor Law	6	S1
	Mathematics for Economics I	6	S1
	History and Society	6	S1
	Fundamentals of Business	6	S1
	Social Doctrine of the Catholic Church	6	S2
	Introduction to Macroeconomics	6	S2
	Financial Accounting	6	S2
	Mathematics for Economics II	6	S2
	Statistics I	6	S2
2nd	Dynamical Systems and Optimization Theory	6	S1
	Statistics II	6	S1
	Economy and International Markets	6	S1
	Macroeconomics I	6	S1
	Economy of the Public Sector	6	S1
	Microeconomics I	6	S2
	Economic Policy I	6	S2
	Econometrics	6	S2
	The Spanish Economy	6	S2
	Global Economic History	6	S2
3rd	Financial Operations	6	S1
	Economic Policy II / International Economic Policy	6	S1
	Financial Instruments	6	S2
	Financial Management	6	S2
	Macroeconomics II / International Macroeconomics	6	S2

ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester

# School of Humanities and Communication Sciences



## Bachelor Degree in Advertising & Public Relations

YEAR	SUBJECT	ECTS	SEM
1st	Fundamentals of Writing I	6	S1/S2
	Social Networks	6	S1/S2
	Theory of Communication and Information	9	S1/S2
	Principles of Advertising	6	S1/S2
	Contemporary World History	6	S1/S2
	Contemporary Literary Movements	6	S1/S2
	Fundamentals of Art and Design	6	S1/S2
	Fundamentals of Photography and Aesthetics	6	S1/S2
2nd	Communication and Marketing	6	S1
	Creative Thinking	6	S1
	Contemporary Spanish Literature	6	S1
	History of the Modern Day World	6	S1
	Television and Video	6	S1
	Theory and Technique of Public Relations	6	S2
	Fundamental of Writing II	6	S2
	Political and Cultural Thought	6	S2
	Radio and Podcast	6	S2
	Production and Digital Environments	6	S2

YEAR	SUBJECT	ECTS	SEM
3rd	Advertising Creativity	6	S1
	Ethics and Deontology	6	S1
	Contemporary Spanish History	6	S1
	Modern Language	6	S1
	Social Doctrine Church	6	S1
	Communication Direction	6	S2
	Advertising and Public Relations Language	6	S2
	Methods and Techniques of Social Research	6	S2
	Structure of the PRR Insdustry	6	S2
4th	BTL Advertising Strategies (OPT)	6	S2
	Events Management and Protocol (OPT)	6	S2
	Integrated Communication	6	S1
	Communication and Culture	6	S1
	Brand Management	6	S1
	Applied Law	6	S1
	Political Communication	6	S1
	Strategic Communication	6	S2
	Public Opinion	6	S2
	Media Planning	6	S2

ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester



# School of Humanities and Communication Sciences



## Bachelor Degree in Digital Communication

YEAR	SUBJECT	ECTS	SEM
1st	Fundamentals of Writing I	6	S1/S2
	Social Networks	6	S1/S2
	Theory of Communication and Information	9	S1/S2
	Principles of Advertising	6	S1/S2
	Contemporary World History	6	S1/S2
	Digital Society	6	S1/S2
	Fundamentals of Art and Design	6	S1/S2
	Fundamentals of Photography and Aesthetics	6	S1/S2
2nd	Radio and Podcast	6	S1
	Fundamental of Writings II	6	S1
	Political and Cultural Thought	6	S1
	Web Environment I: Programming and Developement	6	S1
	Production and Digital Enviroments	6	S1
	Television and Video	6	S2
	History and the Modern Day World	6	S2
	Graphic Communication and Visual Narrative	6	S2
	Marketing and Digital Communication	6	S2
	Contemporary Spanish History	6	S2

YEAR	SUBJECT	ECTS	SEM
3rd	User Experience	6	S1
	Ethics and Deontology	6	S1
	Contemporary Spanish History	6	S1
	Modern Language	6	S1
	Social Doctrine of the Catholic Church	6	S1
	Community Management and Social Media	6	S2
	Web and Enviroment II: Edition and Management Contents	6	S2
	Online Strategic Communication	6	S2
	Brand and Online Reputation	6	S2
4th	Transmediality and Gamification (OPT)	6	S2
	Digital and Advertising Planning (OPT)	6	S2
	Online Marketing and Advertising	6	S1
	Ecommerce	6	S1
	Development of Multimedia Projects	6	S1
	Applied Law	6	S1
	Political Communication	9	S1
	Public Opinion	6	S2
	Brand Management: Online Image and Reputation	9	S2
	Online Marketing and Advertising	6	S2
	Development of Multimedia Projects	6	S2

ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester

# School of Humanities and Communication Sciences



## Bachelor Degree in Journalism

YEAR	SUBJECT	ECTS	SEM
1st	Fundamentals of Writing I	6	S1/S2
	Social Networks	6	S1/S2
	Theory of Communication and Information	9	S1/S2
	Principles of Advertising	6	S1/S2
	Contemporary World History	6	S1/S2
	Contemporary Literary Movements	6	S1/S2
	Fundamentals of Art and Design	6	S1/S2
	Fundamentals of Photography and Aesthetics	6	S1/S2
2nd	Radio and Podcast	6	S1
	Political and Cultural Thought	6	S1
	Production in Digital Environments	6	S1
	Fundamentals of Writing II	6	S1
	History of Spanish Journalism	6	S1
	Journalist of Writing I	6	S1
	Television and Video	6	S2
	Journalistic Design	6	S2
	Contemporary Spanish Literature	6	S2
	History of the Modern Day World	6	S2

YEAR	SUBJECT	ECTS	SEM
3rd	User Experience	6	S1
	Ethics and Professional Deontology	6	S1
	Contemporary Spanish History	6	S1
	Modern Language	6	S1
	Social Doctrine of the Catholic Church	6	S1
	Documents and Research Techniques	6	S2
	Audiovisual Journalism	6	S2
	Fundamental of Specialized Journalism	6	S2
	Journalist Writing II	6	S2
4th	Communication and Culture (OPT)	6	S2
	Communication Direction (OPT)	6	S2
	Political Communication	6	S1
	Media Groups and Communication Companies	6	S1
	Opinion Journalism	6	S1
	Applied Law	6	S1
	International Relationship	6	S1
	Institutional and Business Communication	6	S2
	Public Opinion	6	S2
	Specialized Journalism II	6	S2

ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester

# School of Humanities and Communication Sciences



## Bachelor Degree in Audiovisual Communication

YEAR	SUBJECT	ECTS	SEM
1st	Fundamentals of Writing I	6	S1/S2
	Social Networks	6	S1/S2
	Theory of Communication and Information	9	S1/S2
	Principles of Advertising	6	S1/S2
	Contemporary World History	6	S1/S2
	Contemporary Literary Movements	6	S1/S2
	Fundamentals of Art and Design	6	S1/S2
	Fundamentals of Photography and Aesthetics	6	S1/S2
2nd	Audiovisual Narrative	6	S1
	Audiovisual Systems	6	S1
	Television and Video	6	S1
	Contemporary Spanish Literature	6	S1
	History of the Modern Day World	6	S1
	Audiovisual Narrative (A)	6	S2
	Audiovisual Systems (A)	6	S2
	Political and Cultural Thought	6	S2
	Fundamentals of Writing II	6	S2
	Radio and Podcast	6	S2
	Production in Digital Environments	6	S2

YEAR	SUBJECT	ECTS	SEM
3rd	Realization 1: Fundamentals	6	S1
	Ethics and Deontology	6	S1
	Contemporary Spanish History	6	S1
	Modern Language	6	S1
	Social Doctrine of the Catholic Church	6	S1
	Audiovisual Production	6	S2
	Video Editing	6	S2
	Photography Direction	6	S2
	Screenwriting and New Narratives	6	S2
	Sound (OPT)	6	S2
4th	History of the Audiovisual Communication (OPT)	6	S2
	History of the Audiovisual Communication	6	S1
	Applied Law	6	S1
	Postproduction	6	S1
	TV Direction I	6	S1
	Political Communication	6	S1
	Public Opinion	6	S2
	Production and Realization in Radio	6	S2
	TV Direction II	6	S2

ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester



# School of Law

## Bachelor Degrees in Law, Criminology and International Relations and European Union

YEAR	SUBJECT	ECTS	SEM
1st	Theory of Law	6	S1
	Keys of Contemporary History	6	S1
	Roman Law	6	S1
	Law, Citizenship and European Justice	6	S1
	European and International Political and Geographical Economy	6	S1
	Language 1 Level 1	6	S1
	Language 2 Level 1	6	S1
	European and International Political and Geographical Economy	6	S1
	Theory and History of International Relations	6	S1
	Spanish Political System: Institutions and Fundamental Rights	6	S2
	Institutions and Principles of the European Law	6	S2
	European Freedoms and European Single Market	6	S2
	Theory and History of International Relations	6	S2
	United Nations and other International Organisations	6	S2
	Language 1 Level 1	6	S2
	Language 2 Level 1	6	S2
	International Public Law	6	S2
	History and Institutions of EU	6	S2
2nd	Introduction to the Spanish Judicial System	3	S1
	International Public Law	6	S1
	Law and Religion in a Democratic State	6	S1
	Politics of European Union	6	S1
	Public International Law	6	S1
	Language 1 Level 2	6	S1
	Language 2 Level 2	6	S1
	European and International Protection of Human Rights	6	S1
	United Nations and other International Organisations	6	S1

YEAR	SUBJECT	ECTS	SEM
	Legal Status of the Bussinessman	3	S2
	Law and International Trade	6	S2
	Spanish and European Foreign Policy	6	S2
	Language 1 Level 2	6	S2
	Language 2 Level 2	6	S2
	Spanish and European Foreign Policy	6	S2
	International Trade	6	S2
3rd	Company Law	6	S1
	Person and Family on the Social Doctrine of the Church	3	S1
	European and International Protection of Human Rights	6	S1
	Language 1 Level 3	6	S1
	Language 2 Level 3	6	S1
	Development Cooperation and Humanitarian Aid	6	S1
	International Arbitration and Alternative Dispute Resolution	6	S1
	EU Competition Policy and Law	6	S1
	Social Doctrine of the Church	6	S1
	Political and International Community on the Social Doctrine of the Church	3	S2
	Moot Courts	6	S2
	Social Doctrine of the Church	6	S2
	Language 1 Level 3	6	S2
	Language 2 Level 3	6	S2
	Asia Today	6	S2
	America Today	6	S2
	Europe Beyond the EU. Neighbourhood Policy	6	S2
	Comparative European Literatures	6	S2

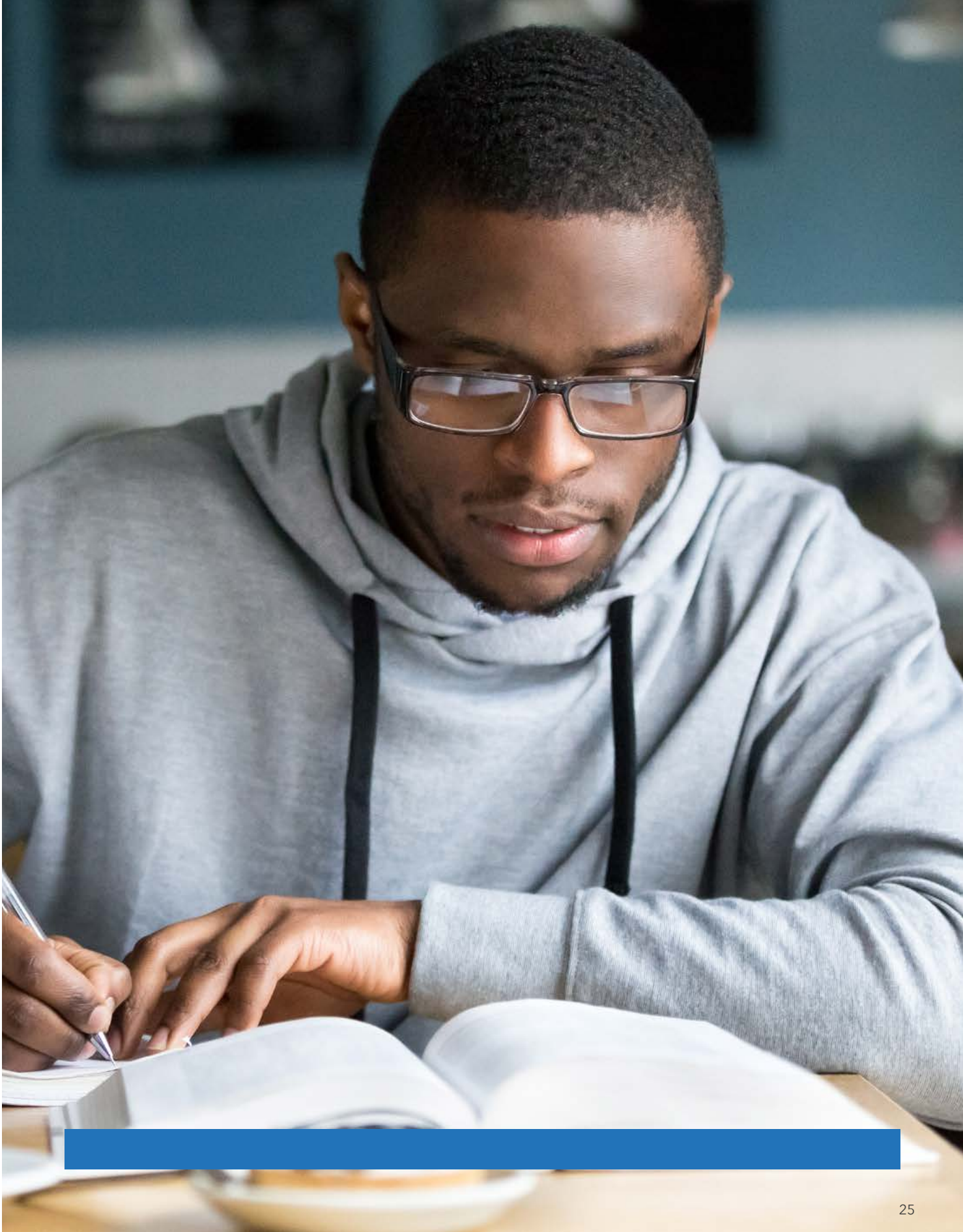
ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester

# School of Law

## Bachelor Degrees in Law, Criminology and International Relations and European Union

YEAR	SUBJECT	ECTS	SEM
4th	Competition Law	6	S1
	Professional English	4,5	S1
	Modern Language	6	S1
	International Private Law	6	S1
	Single European Market	6	S1
	Language 1 Level 4	6	S1
	Philosophy of Law	6	S2
	Deontología	6	S2
	Language 1 Level 4	6	S2
	Comparative European Literatures	6	S2
	European Citizenship, Globalisation and Public Opinion	6	S2
	Security and Defence	6	S1
	Migrations and Asylum	6	S1
5th	International Trade	6	S1
	Study of International Relations Cases	6	S1
	Climate Change and Enviromental Protection	6	S2
	Study of International Relations Cases	6	S2

ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester



# Institute of Technology



## Bachelor Degree in Architecture (degree with a substantial equivalency from NAAB)

YEAR	SUBJECT	ECTS	SEM
1st	Architectural Form Analysis I	6	S1
	Descriptive Geometry I	6	S1
	Fundamentals of Mathematics in Architecture I	3	S1
	Fundamentals of Physics in Architecture I	3	S1
	Introduction to Architecture	6	S1
	Key Aspects of Contemporary History and Literature	6	S1
	Architectural Form Analysis II	6	S2
	Descriptive Geometry II	6	S2
	Architectural Drawing I	6	S2
	Fundamentals of Mathematics in Architecture II	3	S2
	Fundamentals of Physics in Architecture II	3	S2
	Architecture and Society	6	S2
	Architectural Design I	6	S1
	Solid Mechanics	6	S1
2nd	Urban Theory I	3	S1
	History of Architecture I	3	S1
	Fundamentals of Mathematics in Architecture III	6	S1
	Architectural Drawing II	6	S1
	Architectural Design II	6	S2
	Building Construction Materials	6	S2
	Urban Theory II	3	S2
	History of Architecture II	6	S2
	Structural Systems	6	S2
	Drawing and Geometry	3	S2
	Architectural Design III	6	S1
	Structural Analysis I	3	S1
	Building Construction I	3	S1
	Urban Design I	3	S1
3rd	Environmental Systems	6	S1
	Social Doctrine of the Catholic Church	6	S1
	Architectural Design IV	6	S2
	Structural Analysis II	3	S2

YEAR	SUBJECT	ECTS	SEM
4th	Building Construction II	6	S2
	Urban Design II	3	S2
	Electrical and Lighting Systems	6	S2
	History of Architecture III	6	S2
	Architectural Design V	6	S1
	Dimensioning of Structures I	3	S1
	History of Architecture IV	3	S1
	Urban Planning I	3	S1
	Mechanical Systems	6	S1
	Building Construction Analysis	6	S1
	Architectural Design VI	6	S1
	Building Construction Design. Assembly	6	S1
	Ethics	3	S1
	Architectural Design VI	6	S2
5th	Dimensioning of Structures II	3	S2
	Architectural Composition	6	S2
	Urban Planning II	3	S2
	Building Construction Design: Assembly	3	S2
	Professional Practice	6	S2
	Advanced Courses I*	3	S2
	Architectural Design VII	6	S1
	Foundations	3	S1
	City and Territorial Planning I	3	S1
	Building Construction Design: Prototypes	6	S1
	Legal Architecture	3	S1
	Architectural Innovation Workshop	6	S1
	Advanced Courses II*	3	S1
	Architectural Design VIII	6	S2
	Deontology	3	S2
	City and Territorial Planning II	3	S2
	Design of Environmental Mechanical Systems	6	S2
	Design of Building Structures	6	S2
	Advanced Courses III*	3	S2
	Advanced Courses IV*	3	S2
	Final Thesis Project	30	

ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester



## Digital Fabrication for Architecture (Non-official Degree. Fee-paying courses)

### Freeform Modeling - M1

SUBJECT	ECTS	SEM
Rhinoceros Basic	3	S1
Rhinoceros Advanced	3	S1

### Modeling & Rendering - M2

SUBJECT	ECTS	SEM
3DMAX Modeling	3	S1
3DMAX + Vray Rendering	3	S1

### Design & Make - M3

SUBJECT	ECTS	SEM
Grasshopper Basic	3	S1
Grasshopper Advanced	3	S1

### Building & Modeling - M4

SUBJECT	ECTS	SEM
Revit (BIM)	6	S1

### Graphics & Design - M5

SUBJECT	ECTS	SEM
Photoshop	3	S1
Illustrator	1.5	S1
InDesign	1.5	S1

### Graphics & Design - M5

SUBJECT	ECTS	SEM
Sketch up + Digital Drawing	4.5	S2
Flash	1.5	S2

### Digital Fabrication - M7

SUBJECT	ECTS	SEM
CNC, Makerbot, Vinyl, Arduino	6	S2

### Structure & Design - M8

SUBJECT	ECTS	SEM
Structural Dimensioning	3	S2
Structural Analysis	3	S2

### Digital Restoration - M9

SUBJECT	ECTS	SEM
Mapping	3	S2
Digital Archaeology	3	S2

### Building & Modeling 2 - M10

SUBJECT	ECTS	SEM
Revit Advanced	6	S2

### Free Courses S1

SUBJECT	ECTS	SEM
Digital Manufacturing 1	1	S1
Digital Manufacturing 2	1	S1
Digital Manufacturing 3	0.5	S1

### Free Courses S2

SUBJECT	ECTS	SEM
Digital Manufacturing 4	1	S1
Digital Manufacturing 5	1	S1
Digital Manufacturing 6	0.5	S1

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# Institute of Technology

## Bachelor Degree in Biomedical Engineering

YEAR	SUBJECT	ECTS	SEM
1st	Mathematical Foundations of Biomedical Engineering I	6	S1
	Mathematical Foundations of Biomedical Engineering II	6	S1
	Programming	6	S1
	English*	6	S1
	Chemistry	6	S1
	Waves, Electrostatics and Thermodynamics	6	S2
	History and Society	6	S2
	Algorithms and Data Structures	6	S2
	Mathematical Foundations of Biomedical Engineering III	6	S2
	Fundamentals of Biology*	6	S2
2nd	Dynamical Systems in Biomedical Engineering	6	S1
	Electromagnetism and Optics	6	S1
	Histophysiology*	6	S1
	Biochemistry and Molecular Biology *	6	S1
	Circuit Theory	6	S1
	Signals and Systems	6	S2
	Biostatistics I	6	S2
	Digital Electronics*	6	S2
	Anatomy and Physiology	6	S2
	Databases*	6	S2

YEAR	SUBJECT	ECTS	SEM
3rd	Biostatistics II*	6	S1
	Pathophysiology and General Pathology	6	S1
	Random Signals*	6	S1
	Digital Signal Processing*	6	S1
	Projects in Biomedical Engineering I	6	S1
	Numerical Methods in Biomedical Engineering*	5	S2
	Imaging Techniques in Biomedicine	3	S2
	Digital Systems*	7	S2
	Digital Image Processing*	6	S2
	Computer Architecture and Operating Systems	6	S2
4th	Projects in Biomedical Engineering II *	3	S2
	Genomics and Proteomics*	6	S1
	Telemedicine*	3	S1
	Biomedical Instrumentation*	3	S1
	Systems Biology*	3	S1
	Projects in Biomedical Engineering III*	3	S1
	Practicum*	6	S1
	Social Doctrine of the Church	6	S1
	Bioinformatics*	6	S1
	Biomedical Signals*	6	S2
	Decision Support Systems*	4.5	S2
	Data Mining in Biomedicine*	4.5	S2
	BSc Thesis*	12	S2

Courses marked with (\*) are taught in English, the rest are taught in Spanish. The courses taught in English may vary from year to year; please ask for details about what courses are taught in English each year.

ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester

# School of Pharmacy

## Bachelor Degree in Pharmacy

YEAR	SUBJECT	ECTS	SEM
1st	General Chemistry	9	S1
	General Biology	9	S1
	Mathematics	6	S1
	History and Literature	6	S1
	Chemical Experimentation	3	S2
	Inorganic Chemistry	6	S2
	Plant Physiology	3	S2
	Organic Chemistry I	6	S1
2nd	Analytical Chemistry	6	S1
	Physical Chemistry II	6	S1
	Biochemistry I	6	S1
	Immunology	3	S1
	Food Science	3	S1
	Biochemistry II	6	S2
	Organic Chemistry II	6	S2
	Instrumental Techniques	6	S2
	Social Doctrine of the Catholic Church	6	S2
	Modern Language (English)	6	S2
	Parasitology	6	S1
	Microbiology	9	S1
3rd	Ethics	3	S1
	General Pharmacology	6	S2
	Pharmaceutical Chemistry I	6	S2
	Biological Analysis and Laboratory Diagnostics	6	S2
	Nutrition and Dietetics	6	S1
	Pharmacology and Pharmacotherapy	6	S1
	Pharmaceutical Chemistry II	6	S1
4th	Clinical Biochemistry (only practices in English)	6	S1
	Toxicology	6	S2
	Clinical Pharmacy	6	S2
	Final Project*	12	S1 or S2

*\*Only available for selected students. Please, contact capegar@ceu.es for further information.*  
ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester

## Bachelor Degree in Biotechnology

YEAR	SUBJECT	ECTS	SEM
1st	General Chemistry	9	S1
	General Biology	9	S1
	Mathematics	6	S1
	History and Literature	6	S1
	Modern Language (English)	6	S2
	Plant Physiology	3	S2
	Physics and Physical Chemistry of Biotechnological Processes I	6	S2
2nd	Microbiology	9	S1
	Ethics	3	S1
	Organic Chemistry	9	S1
	Biochemistry I	6	S1
	Biochemistry II	6	S2
	Social Doctrine of the Catholic Church	6	S2
	Advanced Plant Physiology	3	S2
	Instrumental Techniques	6	S2
	Molecular Biology (only labs in English)	6	S2
	Immunology	3	S1
3rd	Bioinformatics (70% in english)	6	S1
	Genetic Engineering	6	S1
	Bioanalytical Techniques	3	S1
	Microbial Biothecnology	6	S2
	Chemistry and Protein Engineering (only labs in English)	6	S2
	Fundamentals of Pharmacology and Toxicology	3	S2
	Pharmaceutical Biotechnology Products	6	S1
4th	Nutrigenomics and Pharmacogenomics	6	S1
	External Internship*	12	A
	Final Project (Final Dissertation)*	12	A

*\*Only available for selected students. Please, contact for further information.*  
ECTS: European Credit Transfer and Accumulation System | SEM: Semester | S1: Fall Semester | S2: Spring Semester |  
A: Fall and Spring Semester



# School of Medicine



## Bachelor Degree in Dentistry

### Practical training

- Latest generation clinical and preclinical facilities where one can gain knowledge and experience in a framework of cutting-edge dentistry.
- We arrange complementary activities in collaboration with renowned professionals such as seminars, courses, conferences and congresses.
- We encourage student’s scientific production, guiding them towards participation in internal and national congresses.
- Interdisciplinary and comprehensive training in the treatment of oral diseases, thereby promoting teamwork with other health professionals.
- Voluntary work experience in dentistry clinics that have an agreement with the University or in our University Dental Clinic.
- Patient treatment based on scientific evidence from third year onwards.

FIRST YEAR		SECOND YEAR		THIRD YEAR	
Introduction to Investigation and Statistics	6	Modern Language	6	Prosthesis I	6
Human Anatomy	9	Biomaterials	6	Pathology and Dental Therapeutics I	6
Biology	6	Microbiology	3	Surgical Oral Pathology I	6
Introduction to Dentistry	6	General Pathology	6	Orthodontics I	6
History of Dentistry	3	Immunology	3	Pediatric Dentistry I	6
Anthropology	6	Pharmacology	6	Prosthesis II	6
Preventive Dentistry and Public Health	6	Oral Histology and Pathology	6	Pathology and Dental Therapeutics II	6
Psychology	6	Surgical Emergencies	3	Surgical Oral Pathology II	6
Physiology	6	Medical Emergencies	3	Orthodontics II	6
Biochemistry	6	Anesthesia and Resuscitation	3	Gerodontology	2
		Physiopathology and Surgical Basics	3	Dentistry for Special Patients	4
		Social Doctrine of the Catholic Church	6		
		Basic Periodontics	6		
TOTAL ECTS		60		TOTAL ECTS	
			60		

FOURTH YEAR		FIFTH YEAR		
Prothesis III	6	Community Dentistry	6	
Orthodontics III	3	Dissertation I	3	
Oral Medical Pathology I	3	Integrated Dental Clinic I	12	
Pathology and Dental Therapeutics III	6	Advances in Temporomandibular Joint (TMJ) Pathology	3	
Implantology	4	Radiology	3	
Advanced Periodontics	2	Dissertation II	3	
Pediatric Oral Surgery	6	Integrated Dental Clinic II	12	
Prosthesis IV	6	Maxillofacial Surgery	6	
Orthodontics IV	3	Ethics and Deontology	3	
Oral Medical Pathology II	3	Forensic Dentistry	3	
Pathology and Dental Therapeutics IV	6	Science and Trends in Dentistry*	3	
Pediatric Dentistry II	6	Basics of Health Care Economics and Management of Medical Resources*	3	
Cosmetic Dentistry	3	Primary Care in Dentistry*	3	
Implant Prosthesis	3	Management and Marketing of Dentistry Clinics*	3	
TOTAL ECTS		60	TOTAL ECTS	60

\* Electives. Students must complete only 1.

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# School of Medicine

## Bachelor Degree in Physiotherapy

### Presentation

The CEU San Pablo University of Madrid started to offer university studies in Physiotherapy in 1998. As a result of our experience and adapting the studies to the European Higher Education Area, we have offered the Degree in Physiotherapy since 2010, a degree that lasts four years and is worth 240 ECTS credits. Work experience carried out in different hospitals and specialised clinics is undertaken throughout the four years of studies, with the aim to develop clinical skills and the integration of the student in the working world. In order to carry out their studies, each student is designated with a tutor who will advise them and guide them personally throughout the course of their academic progress.

### Objective of this Degree

The objective of the Degree in Physiotherapy is to provide our students with all of the necessary training to be able to perform numerous tasks as a physiotherapist, be that in the private sector (doctor’s surgeries and clinics) or the public one (hospital network, social and health services, etc.), both nationally and internationally.

Over the last few years, the demand for professionals in this sector has increased in order to cover the needs of a population that suffers occupational and traffic accidents, but which additionally, and thanks to the advances achieved, has a greater life expectancy rate therefore presenting a greater number and longer duration of chronic diseases. At our university, we are responsible for giving our students an excellent theoretical and practical training so that they are capable of taking care of their future patients in an optimum way and can develop a successful professional career.

FIRST YEAR	SECOND YEAR	THIRD YEAR
Anatomy of the Musculoskeletal System6	Physiology6	Musculoskeletal Physiotherapy II9
General Anatomy6	Statistics Applied to Health Sciences6	Pathology and Physiotherapy in Adult Neurology6
Biology6	General Pathology6	Paediatric Pathology and Physical Therapy9
Biomechanics of Human Movement6	Man and the Modern World6	Vascular Pathology and Physiotherapy6
Psychosocial Science Applied to Physiotherapy6	Technology Applied to Physiotherapy3	Cardiorespiratory Pathology and Physiotherapy9
Bioethics6	Electrophysical Agents3	Therapeutic Exercise II3
Physiotherapeutic Assessment and Clinimetrics6	Study and Management of Pain3	Health Law3
Manual Topographic Exploration3	Musculoskeletal Physiotherapy I9	Physiotherapy Research3
General Intervention Methods in Physical Therapy6	Principles of Kinesitherapy3	Social Doctrine of the Church6
Fundamentals of Physiotherapy6	Therapeutic Exercise I6	Clinicals II6
Community Physiotherapy and Public Health3	Traumatological and Rheumatological Pathology in Physiotherapy I3	
	Traumatological and Rheumatological Pathology in Physiotherapy II3	
	Clinicals I3	
TOTAL ECTS60	TOTAL ECTS60	TOTAL ECTS60

FOURTH YEAR
Musculoskeletal Physiotherapy III3
Physical Therapy in Obstetrics and Gynaecology3
Management in Physiotherapy3
Medical and Pharmaceutical Products3
Final Project6
Clinicals III18
Clinicals IV18
Modern Language*3
Keys to Contemporary History*3
Big Books*3
Introduction to Christianity*3
Physiotherapy in Physical Activity and Sport*3
Dermato-Functional Physiotherapy*3
Physiotherapy in Cranio-Cervico-Mandibular Disorders*3
Physiotherapy in Intensive Care*3
TOTAL ECTS60

\* Electives. Students must complete only 2.

7,200 class hours of which almost 35% (2,486) are hands-on training.

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More information at:  
[www.uspceu.com](http://www.uspceu.com)





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