UEMC
Universidad Europea Miguel de Cervantes

PROGRAMME YOUR PROFESSIONAL FUTURE IN AN INDUSTRY UNDER CONTINUOUS TECHNOLOGICAL DEVELOPMENT AND WITH NEVER-ENDING OPPORTUNITIES.

DEGREE IN COMPUTER ENGINEERING

UNIVERSITY SCHOOL OF ENGINEERING | 4 years | 240 ECTS | IN-CLASS

CAREER OPPORTUNITIES

- Director, consultant, auditor IT projects.
- Sysadmin, engineer/architect and software analyst-programmer.
- Database analyst and administrator.
- Expert in web architecture, security, artificial intelligence, etc.

VALLADOLID (SPAIN)
(+34) 983 00 1000

www.international.uemc.es

- · PRACTICAL TRAINING WITH A COMPANY FOCUS
- · TEACHERS IN TOUCH WITH THE PROFESSION
- · EQUIPMENT AND SOFTWARE UNDER CONSTANT RENEWAL
- · WORK EXPERIENCE

WE FOSTER YOUR TALENT AND YOUR PROFESSIONAL CAREER

PROFESSIONAL FOCUS AND JOB OPPORTUNITIES

club de emprendedores UEMC

UEMC ENTREPRENEURS CLUB

INTERNATIONAL MENTORING PROGRAMME

INTERNATIONAL DUAL DEGREE

DEGREE IN COMPUTER ENGINEERING

STUDY PROGRAMME

FIRST YEAR

SEMESTER 1	ECTS	SEMESTER 2	ECTS
Foundations of Information Technology I	6	Foundations of Information Technology II	6
Foundations of Mathematics I	6	Foundations of Mathematics II	6
Foundations of Programming	6	Data Structures and Algorithms	6
Business Economics	6	Foundations of Physics	6
IT Legislation	6	Languages I	6

SECOND YEAR

SEMESTER 1	ECTS	SEMESTER 2	ECTS
Object-oriented Programming	6	Advanced Programming Techniques and Methods	6
Operating Systems	6	Expansion of Operating Systems	6
Software Engineering I	6	Software Engineering II	6
Discrete Mathematics	6	Statistics	6
Languages II	6	Computer Architecture	6

THIRD YEAR

SEMESTER 1		ECTS	SEMESTER 2		ECTS
Databases I		6	Databases II		6
Artificial Intelligence		6	Expansion of Software Engineering		6
Communications Networks		6	Computer Security and Cryptography		6
Web Development I		6	Web Development II		6
Optional*	Mathematics Applied to Engineering	6	Optional*	Enterprise Operating Systems	6
	Business Organisation	6		Business Innovation	6

FOURTH YEAR

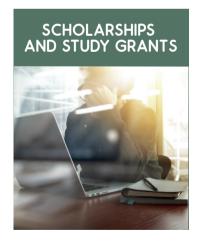| SEMESTER 1		ECTS	SEMESTER 2		ECTS
Practicum		12	Industrial Computing		6
Effective Communication Techniques		6	Expansion of Artificial Intelligence		6
Computer Consulting		6	Optional*	Data Transmission	6
Optional*	Enterprise Programming Platforms	6		Marketing on the Internet	6
	Project Management	6	Dissertation		12

(*) Students must choose 24 credits in optional courses, of which, under current regulations, the University can recognise up to 6 credits for participation in university activities related to culture, sports, student representation, collaboration with departments, groups and research projects, solidarity, cooperation or similar.