laSalle
RAMON LLULL UNIVERSITY

OFFICIAL UNDERGRADUATE DEGREES

- 395 ECTS
- 5,5 years
- Campus Barcelona
- September
- 100 % English
- Study tours included*

*Subject to academic performance.

DOUBLE DEGREE QUALIFICATION IN **INTERNATIONAL COMPUTER ENGINEERING AND MANAGEMENT OF BUSINESS AND TECHNOLOGY**

WHAT MAKES THIS DEGREE UNIQUE

1 **Our international cross-disciplinary approach** with two Study tours and a Campus with teachers and students from over 90 different countries will prepare you to work in a global environment.

2 **You will learn to learn:** you will be ready to manage the latest tools and develop your personal and professional skills being able to adapt easily to the current market needs.

3 **Our own unique methodology based on real practical cases and team work** will give you an in-depth understanding of how to form part of a new generation of managers.

4 **You will have access to specialised advanced labs** from the very first day and the **LS Smart Lab** will allow you to do engineering practices from anywhere.

5 You will advance your skills related to network management and you will be prepared to obtain **CCNA and CCNP of CISCO Systems professional certification.**

BE PART OF THE NEW TECHNOLOGICAL BUSINESS LEADERS.

La Salle Campus Barcelona offers this **Double Degree combining ICT Engineering and Business Management.** In five and a half years you will obtain two official Degrees with a dual profile that is in high demand. With a global, interdisciplinary approach and a unique methodology based on the resolution of real cases.

You will have access to all the leading facilities and **labs equipped with the latest technologies**, along with a unique methodology based on solving challenges put forward by real companies.

The Study tours in the USA and in another destination in the world give you the chance to enjoy an international experience.

CAREER OPORTUNITIES

→ Data scientist
→ Collective Intelligence Applications Developer
→ Business and Applications in the Internet of Things developer
→ Big Data and Business Intelligence
→ Executive Management specialized in ICTS
→ Social Analytics 2.0 Tool Designer

→ Product Development for ICT Companies
→ Document and Process Digitization Manager
→ Services in IT and ERP Technologies Consultant
→ Marketing / Sales expert in the Application of Technology
→ Corporate Technology Management

100% of our students start working before finising their studies

SYLLABUS

1ST COURSE

Annual Subjects | ECTS
Algebra	8
Calculus	10
Design and Usability I	5
Basic Electronics	12
Introduction to Computers	9
Programming Methodology and Technology	10
Thought and Creativity I	2

First Semester
Principles of Business Management	6
Principles of Marketing	4

Second Semester
Business Law I	2
Human Resources	3

5TH COURSE

First Semester | ECTS
Applied Research in Management and Technology	5
Computing Architecture	5
Budgeting Planning and Control	4
Business Communication Skills II	2
Entrepreneurship and Venture Capital	3
International Business	5
Management IT and Information Systems III	4
Software Methodology II	4
Data Mining	5
Distributed Architecture Projects	4
Mobile Devices Programming	4
Sales Management	4

2ND COURSE

Annual Subjects | ECTS
Databases	5
Object-oriented Design and Programming	6
Statistics and Mathematical Analysis	8
Thought and Creativity II	2
Digital Systems and Microprocessors	9
Local Area Networks	6

First Semester
Business Communication Skills I	4
Foreign Language I	5
Microeconomics	4
Programming Projects I	3

Second Semester
Accounting principles I	6
Foreign Language II	5
Macroeconomics	4
Programming Projects II	4

5TH COURSE

Second Semester | ECTS
Channel Management	3
Leading Teams and Organisations	4
New Technology Ventures	3
Strategy Management for ICT Ventures	3
Supply Chain Management	4
Transfer of New Technologies into the Economy	4

3RD COURSE

Annual Subjects | ECTS
Thought and Creativity III	3
Advanced Programming and Data Structures	8

First Semester
Accounting Principles II	6
Graphics I	5
Interconnection of Data Networks	4
Management IT and Information Systems I	4
Principles of Finance	6
Web Projects I	4
OS	5

Second Semester
Business Law II	4
Creativity and Innovation	3
Financial Management	3
Methods of Decision Analysis	4
New Product and Service Development	3
Web Projects II	5
Advanced OS	4

6TH COURSE

First Semester | ECTS
Engineering Internship	4
Management Internship	4
Engineering Final Thesis	16
Management Final Thesis	16

4TH COURSE

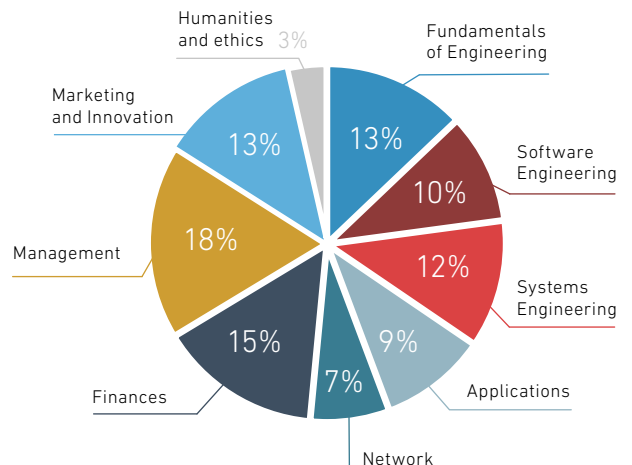### First Semester | ECTS
System Design and Administration	6
Corporate and International Finance	5
Cross Cultural Management Integrated Marketing Communications	5
	3
Marketing Management	4
Software Methodology I	4
Principles of Operations	4
Principles of Project Management	5

Second Semester
E-business	5
Programming Languages I	6
Marketing Simulations	4
Modern Social Thought and Economic History	6
ICT Security	4
Knowledge-based Systems	4
Peripheral Technologies	4
Technological Trends	4

ICT ENGINEERING AND BUSINESS MANAGEMENT, THE STRENGTHS OF THE DEGREE

AREAS OF KNOWLEDGE

- Humanities and ethics 3%
- Fundamentals of Engineering 13%
- Software Engineering 10%
- Systems Engineering 12%
- Applications 9%
- Network 7%
- Finances 15%
- Management 18%
- Marketing and Innovation 13%

BE REAL, BE YOU