

IQS

RAMON LLULL UNIVERSITY BARCELONA

GRADUATE
PROGRAMS



PERSONA CIENCIA EMPRESA
UNIVERSITAT RAMON LLULL

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IQS is a university centre of the Society of Jesus, founding member of Universitat Ramon Llull, with more than one hundred years of experience and a long history. National and international accreditations guarantee our continuous work and consolidate our prestige.



PERSONA CIENCIA EMPRESA
UNIVERSITAT RAMON LLULL



Why study at IQS?

Our vocation and social commitment involves educating people in an ethical and integral manner in all personal, academic and professional areas. Thanks to its scientific tradition, IQS is able to offer thorough training and practical guidance:

- Academic prestige and recognition supported by the professional performance of IQS graduates.
- Practical and experimental education combined with ethical values.
- Internships in companies and career service.
- Student support and personalised mentors.
- Option of international exchanges with other universities.
- Recognition from industry and society, which speeds up the employability of IQS graduates.
- Possibility of studying Dual Master's Degree Programs.

IQS has two Schools: **IQS School of Engineering**, focused on scientific and technical studies, and **IQS School of Management**, focused on Economics and Business studies.

Practical dimension of the programs

The programs are designed to provide a practical and interdisciplinary education, with highly practical and up-to-date guidance.

IQS University enterprise network

All students undertake work experience internships in private companies and the final projects can be addressed to develop practical application works such as a business plan.

Job exchange and Professional Careers guidance service

Students have access to the IQS Job Exchange and to the Professional Careers guidance service, where they are given professional assessment and support, especially with their first job placement.

International vocation

IQS student exchanges with foreign universities are an ideal complement to the program studies, by providing an experience that enriches the students both academically and personally.



Elective course
to learn
Spanish

Personalized care and small groups

Students have personal tutors to guide them in academic, professional and personal matters. Classes are made up of small groups in all IQS undergraduate and graduate programs.

International Relations Service

The International Relations office helps the foreign students coming to study at IQS. They are ready to answer your questions regarding IQS students and living in Barcelona.

LIVE BARCELONA!

Social and cultural activities in Barcelona organized by IQS.



This is IQS



TEACHING AREA

22.389 m²

7.840 m²

OF LABORATORIES
AND WORKSHOPS

+1.300.000€

FOR GRANTS IN THE
LAST ACADEMIC YEAR



+100 EXCHANGE AGREEMENTS
WITH INTERNATIONAL UNIVERSITIES

45

EUROPE

32

NORTH
AMERICA

12

SOUTH
AMERICA

8

ASIA

3

CENTRAL
AMERICA

1

AFRICA

1

AUSTRALIA



LINKS WITH ENTERPRISES

98%

OF GRANTS APPLICATIONS APPROVED

100%

OF UNDERGRADUATE STUDENTS UNDERTAKE INTERNSHIPS IN PRIVATE COMPANIES

+200 COMPANIES

COLLABORATING WITH THE DEPARTMENT OF PROFESSIONAL CAREERS



ACCREDITATIONS AND RANKINGS



Master in Management Ranking 2018



IQS IS A MEMBER OF:



Science and Technology

A vocation for teaching and research

Undergraduate Programs IQS School of Engineering

• Biotechnology

Provides students with a solid scientific background in fundamental concepts, applications and values for the profession. The Degree is focused on the fields of industrial biotechnology and biotechnology for health.

• Chemistry

The aim of this program is to develop the necessary skills and aptitudes to become a chemist ready to contribute scientific knowledge, combined with ethical and social values, to the control and development of products, goods and services.

• Chemical Engineering

This program will give access to industry so you can work at designing, developing and applying industrial production processes in many different industries where chemistry is involved (basic chemistry and petrochemicals, food, fine chemistry and fragrances, biomaterials, plastics, paints, resins, adhesives, etc.).

• Industrial Engineering Technology

IQS offers multidisciplinary education in industrial technologies that allows participation in the concept, development and construction of useful products.

• Pharmacy

This program prepares professionals who will become part of the health system. IQS offers a more updated and practical training that is better aligned with pharmaceutical companies and progress in this field.

• Dual Undergraduate Programs

IQS offers Dual Undergraduate Programs which offer more rounded training and expand students' job options at the end of their studies, in a context of strong competition where increasingly better preparation is essential.

Graduate Programs IQS School of Engineering (Master's Degree)

• Analytical Chemistry

Conveys advanced knowledge on the different disciplines of analytical chemistry, enabling students to identify and reason problems and integrate new ideas.

• Materials Science and Engineering

Focused on knowledge of the structure-properties relationship in materials, in order to synthesize and design new materials.

• Bioengineering

It trains future high-level research and innovation professionals in the industrial, food or biomedical production fields.

• Pharmaceutical Chemistry

Provides a general overview of the entire R&D process of a drug, its design stage by computational chemistry (molecular design) and synthesis (advanced organic synthesis).

• Chemical Engineering

Provides knowledge on the design, management and control of the chemical and biotechnological production processes used in industrial processing plants.

• Industrial Engineering

Among the skills to be acquired are the project, calculation, design, research, innovation and development of industrial products, processes, installations and plants.

• Dual Graduate Programs

The Dual Graduate Programs offered at IQS allow students to complement a scientific foundation and a research-based profile with the expanded knowledge and skills applicable to a company's various functional departments.

• Postgraduate Program in Biotech and Pharmaceutical Industry

The main aim of this Postgraduate Program in Biotech and Pharmaceutical Industry is to prepare future graduates for an international job environment within the biotech and pharmaceutical industries and be able to adapt easily to the respective work processes.

• PhD in Chemistry and Chemical Engineering

Research professionals, along with the most advanced knowledge, will be able to naturally contribute to the ever-changing scientific and technological environment.

• PhD in Bioengineering

The purpose of the PhD in Bioengineering is to respond to the professional requirements of the biotechnological industry and to cover scientific training for academic and industrial research.

Training in Management

Entrepreneurial nature

Undergraduate Programs IQS School of Management

• Business Administration and Management

Students will develop the knowledge, attitudes and skills required to become a competent and honest entrepreneur, CEO or manager. This degree provides the knowledge pertaining to the different areas in the business world: economics, finances and accounting, marketing, human resources, operations and management.

It also provides a first contact with the workplace thanks to compulsory internships in a company. The undergraduate program can be taken entirely in English or gradually, or in Spanish gradually towards English.

• International Marketing

The aim of this program is to educate professionals to research, plan, execute and control marketing and communication strategies and business communication in any sector. These studies provide solid marketing concepts and techniques in an international and digital environment. Students can do one academic year in one of the following European universities and get a dual international undergraduate degree:



HOCHSCHULE PFORZHEIM



Graduate Programs IQS School of Management (Master's Degree)

• Global Entrepreneurial Management

This joint program, taught entirely in English, provides an international experience and practical training in global markets, enabling students to fill management and administration jobs in businesses and organizations in the international markets. The first term is taught at IQS (Barcelona); the second one at the Fu Jen Catholic University (Taiwan) and the third one at the University of San Francisco (USA). Students obtain experience on what it means to work in a global context thanks to internships with international companies and high-level consultancy work.

• International Marketing in a Digital Environment / Graduate Program in International Marketing & Sales Management

This dual graduate program has been designed taking business requirements into account. Focused on international markets, it combines the skills of strategic marketing with those of sales and customer management in a digital environment. The faculty is composed of national and international specialists from various specialized fields to ensure a comprehensive vision of the program.

• Industrial Business Management

This program provides training beyond the technical and scientific degrees that enable students to fill key positions in business management and administration, mainly in industrial and technological sectors. This graduate program develops the capacity to design, generate and market new products; the skills required to improve the production and marketing processes and the competencies to confidently perform in the operational areas of marketing, sales, finances, human resources, management control, quality and strategic management.

• Auditing and Management Control

This program provides advanced training in two fields: accounting and audits, and financial management of the company, with the purpose to teach the knowledge required to generate and analyze financial information that is relevant, timely and correct and to verify it. The program focuses on two professional specializations: account auditing, which enables the student to omit the theory section of the ROAC (Official Registry of Account Auditors) access test, required to be able to work professionally as an auditor; and management control, as preparation for a job position as economic controller of a multinational company.

• Wealth and Financial Management

This program provides in-depth technical content on the three main areas of specialization in finances: investment analysis, bank management and corporate finances. It provides training with guaranteed success in obtaining the first-level professional certification as EFA (European Financial Advisor) and the European Financial Planner certification (EFP), currently required by many investment and banking companies and institutions.

• PhD in Business and Territorial Competitiveness, Innovation and Sustainability

The IQS School of Management, the Economics and Business School at the Universidad de Deusto (DBS Deusto) and the Economics and Business School at the Universidad Pontificia Comillas (ICADE) have joined forces to offer a joint PhD program in Corporate and Territorial Competitiveness, Innovation and Sustainability.



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Master in Global Entrepreneurial Management

The Master's Degree in Global Entrepreneurial Management (MGEM) is offered jointly with the University of San Francisco (USA) and Fu Jen Catholic University in Taipei (Taiwan) and involves a unique experience in the sphere of global markets.

You will be trained in management and administration of companies and organisations, with a strong emphasis on innovation and entrepreneurial spirit. When you complete the program, you will be ready to assume management and leadership responsibilities in companies and organisations in international markets.



UNIVERSITY OF
SAN FRANCISCO



Requirements:

Bachelor's degree in the areas of Business, Economics, Management, Engineering or similar. English level TOEFL 80 Internet based score or its equivalent IELTS or TOEIC.



Duration and Academic Workload:

12 months. 60 ECTS credits.



Consulting Projects:

3 ECTS credits.



Master Thesis:

15 ECTS credits.



Teaching Language:

English.



Timetable:

Full-time.



Price:

38,000 \$.

TOP 50 WORLDWIDE



Master in Management
Ranking 2018

TOP 50 WORLDWIDE



HONOURABLE MENTION AWARDED TO THE INTERNATIONAL MASTER'S PROGRAM (IMP) BY THE REGIONAL GOVERNMENT OF CATALONIA, WHICH RECOGNISES THE BEST INTERNATIONAL UNIVERSITY MASTER'S PROGRAMS

Master in Global Entrepreneurial Management

“



The MGEM is a unique experience in the world where you have a one-year full-immersion global business experience. At the end of the program you will be ready to create or to join a company or institution in a global environment.”

PhD Carles Malet – Coordinator of the Master in Global Entrepreneurial Management. carles.malet@iqs.url.edu

Program highlights



Immerse yourself into a global business environment Experience Barcelona (Spain), Taipei (Taiwan) and San Francisco (USA) in one year



Take advantage of three professional Career Services and become alumni of the three institutions



Acquire an international experience in a multi-cultural setting



Participate in consulting projects and corporate visits to learn international business practices



Gain insights from leading experts. Build your global network

Global Management Careers

At IQS your professional and career expectations are high, because right from day one you are in contact with cutting edge companies. With the Master's Program in Global Entrepreneurial Management you can choose to:

✓ Devote yourself to management and administration of companies and organisations with a presence in global markets. Take on top-level positions as International Management Consultant, Marketing Executive, Multinational Manager and more.

✓ Join companies on the three continents with which you have interacted, providing you with an excellent opportunity to enter the job market or start your own business.

As a holder of the Master's Program in Global Entrepreneurial Management, IQS places at your disposal its professional Career Services, which helps students to apply for job opportunities, and you will also be part of the employment exchanges of Fu Jen Catholic University and the University of San Francisco.

Master in Global Entrepreneurial Management

Curriculum

Upon completing the MGEM graduates are awarded a Joint Master's Program by the IQS School of Management – Universitat Ramon Llull (Barcelona, Spain), Fu Jen Catholic University (Taipei, Taiwan) and the University of San Francisco (USA). Graduates can take advantage of three professional Career Services and for all intents and purposes become alumni of the three institutions.

- The MGEM is highly practical, as it includes:
 - a) Courses involving applied methodologies.
 - b) Practical case studies.
 - c) Business visits.
 - d) Guest speakers.
 - e) Consulting projects.
- The program consists of 60 ECTS credits and is taught entirely in English.
- We offer elective courses to learn Spanish and Mandarin Chinese in Barcelona (Spain) and Taipei (Taiwan) respectively.
- The number of places is limited to 45 students (15 places for each of the three universities).
- The consulting projects and business plan work are developed throughout the entire academic year at each of the three Universities.
- At the end of the program while at the University of San Francisco, you can apply to complete an internship in companies in the USA, Taiwan or Spain.

📍 More info at: www.iqs.edu/en/masters-mba/master-global-entrepreneurial-management

SEPTEMBER - DECEMBER IQS SCHOOL OF MANAGEMENT (BARCELONA, SPAIN)	
INNOVATION IN A GLOBAL MARKETPLACE	ECTS
Global Environment and Business Trends	3.5
Technology Appreciation and Intellectual Property Management	3.5
Cross-Cultural Management and Ethical Business Practice	3.5
Common Ground in Corporate Valuation and Accounting	3.5
Consulting Projects	1.5
JANUARY - APRIL FU JEN CATHOLIC UNIVERSITY (TAIPEI, TAIWAN)	
CORPORATE OPERATIONS AND FINANCE IN A GLOBAL CONTEXT	ECTS
Operations Management and Supply Chain Management with a Global Perspective	3.5
Corporate Finance with a Global Perspective	3.5
Innovation Technology Management	3.5
Entry Barriers and Strategic Alliance	3.5
Research of Special Topics in Global and Social Entrepreneurship (Business Plan)	15
MAY - AUGUST UNIVERSITY OF SAN FRANCISCO (SAN FRANCISCO, USA)	
MARKETING AND ORGANIZATIONAL BEHAVIOUR IN A GLOBAL CONTEXT	ECTS
Cross-Cultural Marketing & Integrated Marketing Communications	3.5
Global Distribution and Channel Management	3.5
Social Entrepreneurship	3.5
Venture Capital, Corporate Entrepreneurship and Micro Finance	3.5
Consulting Projects	1.5

Master in Global Entrepreneurial Management

Student Profile

The Master's Program in Global Entrepreneurial Management is aimed at students who have completed an undergraduate program in the areas of business, economics, management engineering or similar. Other academic backgrounds will be assessed by the joint admissions committee.

In any case, the candidates must possess and understand knowledge in the different areas of the business world. The admissions committee will be responsible for deciding on the suitability of candidates to enrol in the Master's Program or the need to take complementary courses to meet the admission requirements, after studying the candidate's profile and his or her professional background.

Candidates must provide evidence of a TOEFL 80 Internet Based Score or its equivalent IELTS or TOEIC.

Collaborating Companies (Consulting Projects & Company Visits)

The methodology is based on the development of numerous cases and projects that the students ought to carry out in mixed teams. Furthermore, throughout the program the students manage consulting projects in conjunction with businesses that operate in global markets. Some Collaborating Companies:



“ I wanted to develop a global mindset and that is why I enrolled on MGEM Program. It was my chance to understand international business best practices and understand how the global markets operate. All of that while I was travelling around the world and meeting great people. People who became part of a valuable professional network at a later stage. Nowadays, I can say it was a great experience and I would definitely recommend to anyone. The MGEM clearly prepares you for a global career. ”

Delfi López Queraltó
IQS Alumnus – Master in Global Entrepreneurial Management.
Class of 2011-2012.
Currently working as a CEO in Monocrom.



Dual Master's Program

Master in International Marketing in a Digital Environment / Master in International Marketing & Sales Management

This program enables you to obtain the specific skills required to be a successful career in the area of marketing, aiming at top-level management positions.

It also fosters numerous transversal skills essential in modern business: professional communication, team management, creativity, international vision, anticipation of change, and ethical, social and environmental responsibility.



Requirements:

Bachelor's degree or equivalent.
Good level of spoken and written English. B2 English level required.



Duration and Academic Workload:

1 year (2 semesters). 60 + 9 ECTS additional credits.



Master Thesis:

9 ECTS credits.



Teaching Language:

English.



Timetable:

Monday to Friday
from 3.00/4.00 pm
to 7.00/8.00 pm.



Price:

14,100 €.

TOP 50 WORLDWIDE



TOP 50 WORLDWIDE



Dual Master's Program

Master in International Marketing in a Digital Environment /
Master in International Marketing & Sales Management

“



IQS offers you the opportunity to enhance your knowledge, your understanding of marketing, and prepare you for a management career as a professional marketer or PhD researcher. The skills and qualities you will develop during this master's program will enhance your CV and help you stand out in a highly competitive employment market.”

PhD Ramon Palau – Coordinator of Master's Degree in International Marketing in a Digital Environment / Master in International Marketing & Sales Management.
ramon.palau@iqs.url.edu

Program highlights



Career Opportunities

At IQS you can reach high academic and professional expectations. From the first day you are in touch with cutting edge companies. With the Master's Program in International Marketing in a Digital Environment / Master in International Marketing & Sales Management you will be able to:

- ✓ Access highly qualified positions related to market and customer management, strategic marketing, key account management, community management, digital marketing specialist marketing research, communication and advertising, and competitive intelligence.
- ✓ You will be able to pursue your professional career in any business area, whether it is digital, retail, services, industry, technology, banking, tourism, pharmaceuticals or others.
- ✓ Take on top-level positions in the area of marketing, particularly marketing management positions in any international company.



Dual Master's Program

Master in International Marketing in a Digital Environment
 Master in International Marketing & Sales Management

Curriculum

The program is designed to develop your best qualities with maximum performance to achieve a career in international marketing in a digital environment.

- The students will complete 69 ECTS in order to earn the two Master's Programs. At the end of the program, the student will obtain two titles; the Official Master in International Marketing & Digital Environment and the URL private title of the Master in International Marketing & Sales Management.
- There is a wide selection of courses ranging from the most analytical to the most executive, which allowing you to achieve a deep knowledge in international marketing in a digital environment, from strategy to customer relations management.
- The Master's Program lasts one academic year and is entirely taught in English.
- The classes, with an evening timetable, are compatible with elective internships in companies.
- Access to PhD programs.

① More info at: www.iqs.edu/en/masters-mba/master-international-marketing-sales-management

Courses that form part of the program are:

MASTER IN INTERNATIONAL MARKETING IN A DIGITAL ENVIRONMENT	
INTERNATIONAL MARKETING MANAGEMENT	ECTS
International Marketing Strategy (C)	6
International Marketing Management Simulation (C)	6
International Brand Management (C)	3
International Product Development (C)	3
International Marketing Planning (E)	3
Global Retail Management (E)	6
MARKETING RESEARCH & BUSINESS INTELLIGENCE	ECTS
Advanced Market Research (C)	6
Marketing Data Intelligence (C)	3
Quantitative Methods (E)	6
Qualitative Methods (E)	6
DIGITAL MARKETING	ECTS
Digital Marketing Strategies (C)	3
Social Media Management (C)	3
Mobile Marketing Applications (C)	3
Digital Marketing Communications (C)	3
Advanced Digital Analytics (E)	3
MASTER THESIS & INTERNSHIP	ECTS
Master Thesis (C)	9
Internship in Company (E)	6

MASTER IN INTERNATIONAL MARKETING & SALES MANAGEMENT	
SALES MANAGEMENT	ECTS
International Sales Management	6
Selling Techniques for Business Clients	3

(C) Compulsory courses.

(E) Elective courses. Students can select 12 ECTS of elective courses.

Dual Master's Program

Master in International Marketing in a Digital Environment
Master in International Marketing & Sales Management

Student Profile

This program is offered to students with undergraduate programs, preferably in the sphere of Social Sciences and Business, who wish to specialise in marketing in order to enhance their academic career and professional profile. It is also oriented towards students whose previous background does not belong to the Business area but wish to acquire further expertise and develop specific marketing skills in order to broaden their career opportunities in a sector which always requires greater specialisation. Consequently, the Master's Program in International Marketing in a Digital Environment / Master in International Marketing & Sales Management is open to university graduates, and engineers in all fields of knowledge with a good level of spoken and written English.

If any of the candidates looking to enrol in the Master's Program lack a basic knowledge of marketing or market research from his or her previous academic background, additional complementary training will be run to reach the required level to follow the program.

No previous professional experience is required.

Master Thesis: an international marketing plan

The purpose of the Master Thesis is to put into practice all the knowledge you have acquired during the program, preferably by drawing up an international marketing plan or carrying out a research study within the marketing area.

The Master Thesis is supervised by the Coordinator of the program.

“



This Master's Program allowed me to train in a multicultural environment, due both to the dynamic way in which the classes are given, and to the chance I was given to have an international experience by sharing and working with other international students. It also offered me the opportunity to do an internship at an important company. It was a good choice for furthering my career.”

María Holgado

IQS Alumna – Master in International Marketing and Sales Management.
Class of 2013-2014.

Currently working in Simon as a Product Manager.

Master in Industrial Business Management

The objective of this Master's Degree is to equip University graduates from scientific and technical backgrounds with the necessary knowledge and skills to expand their future professional careers in the area of business management.

The Master's Degree provides the tools to enable managerial tasks and responsibilities to be carried out in all areas of a company, regardless of its size, and to promote the creation of new scientific-technological companies.



Requirements:

Bachelor's Degree or equivalent, mainly from Technical and scientific fields.



Duration and Academic Workload:

1 academic course. 60 ECTS credits.



Work Placements:

7.5 ECTS credits.



Master Thesis:

6 ECTS credits.



Teaching Language:

English.



Timetable:

Monday to Friday
from 3.00 pm to 6.30 pm.



Price:

12,900 €.

#27
WORLDWIDE



Master in Industrial Business Management

“



The training experience from both IQS schools (Engineering and Management) is blended in this Master's Degree in Industrial Management. It is aimed at preparing graduates from scientific and technical backgrounds to take up managerial positions in the business world.”

Dr. Xavier Ramirez – Coordinator of the Master's Degree in Industrial Management. xavier.ramirez@iqs.url.edu

Program highlights

Professional profile aimed at Business Management in the scientific-technological field

Dual Master Qualification
Combine it with one of the IQS School of Engineering Masters and get two official Masters in 3 or 4 academic semesters

Job opportunities through IQS and career guidance services

Internships in well-known companies



Conferences and lectures, which include authentic case studies and concrete situations given by professionals in the business world

Career Opportunities

The Master's Degree in Industrial Management opens doors to:

- ✓ Taking on managerial positions mainly in the industrial sector such as the food industry, the automobile industry, the electrical industry, telecommunications, manufacturers of goods and services, wood, metal, textiles and the chemical sector.

- ✓ Being in charge of scientific and technical matters in a company and managing areas linked to fundamental business, such as finance, human resources, business management or the strategic handling of the company.

Master in Industrial Business Management

Curriculum

The Program has been specifically designed so that the student can develop his or her own skills in Business Management.

To do this:

- They carry out work experience in industrial companies, which gives them the opportunity to put the theory into practice while using their acquired skills in a real working environment.
- They complete a Master Thesis. This ensures they meet the course objectives. It also gives them an opportunity to apply the knowledge and skills learned in the different subjects by developing a Business Plan which analyses a company from its profitability up to its functioning.

- The faculty is made up of both academics and professionals who are experts in their executive fields. This not only ensures academic excellence but also guarantees an updated and practical vision of the professional world.
- The study plan has been designed for full time students. However, applications who chose to study on a part-time basis over a two-year period will also be considered.
- The Master's Program lasts one academic year and is entirely taught in English.

The study plan for the Master's Degree in Industrial Management consists of 60 ECTS credits spread over a full academic year. 45.5 credits are given to the obligatory subjects, 7.5 credits to work experience and 6 credits to the Master Thesis, both of which are obligatory.

ECONOMICS MODULE	ECTS
Economic Analysis	3
International Economics	3

ACCOUNTING AND FINANCE MODULE	ECTS
Planning an Audit of Financial Statements	3
Cost Control and Analysis for Decision Making	4,5
Financial Analysis	3

MARKETING MODULE	ECTS
Marketing	4,5

WORK EXPERIENCE MODULE	ECTS
Work Experience	7,5

BUSINESS ADMINISTRATION MODULE	ECTS
Analysis and Strategic Planning	4,5
Business Law	4,5
Human Resources Management	4,5
Logistics and Processes	3
Innovation Management	3
Quality Management	3

GENERAL EDUCATION MODULE	ECTS
Corporate Social Responsibility (CSR)	3

FINAL MASTERS PROJECT MODULE	ECTS
Master Thesis	6

 More info at: www.iqs.edu/en/masters-mba/master-industrial-business-management

Master in Industrial Business Management

Student Profile

The Master's Program in Industrial Management is aimed at holders of a degree in a scientific and/or technical area, such as Engineering, Architecture, the Sciences and Health Sciences.

Work Experience and Master Thesis

As it is a Master focusing on business management, carrying out Internships in companies is of fundamental importance to the student. The contacts that IQS have in industry, along with the scientific-technical profile of the Master's students and the training they receive during the program, gives them the opportunity to do their work experience in companies, preferably industrial, in relevant departments such as logistics, finance, marketing or human resources.

The Master Thesis concentrates on putting all their newly acquired knowledge into practice by planning and designing an innovative business project.

Dual Master's Degree: A Master from IQS School of Engineering and a Master in Industrial Management

IQS is offering an innovative Dual Master's Program, which gives the students the opportunity to increase their scientific knowledge while learning about business management. This gives them the ability to develop their own managerial profiles.

The Master's Degree in Industrial management, run by IQS School of Management goes hand in hand with the Master offered by IQS School of Engineering. This gives the student a multidisciplinary profile where a scientific-technical training is combined with knowledge of management. This is highly sought after by companies.

“



While I was studying my degree in Engineering I realized that I needed to increase my knowledge in the area of management, so I decided to study the Master's Degree in Industrial Management. The course and training were ideal. While I was finishing my Master Thesis in USA, Mercedes- Benz offered me a position in Quality/ Purchasing, a post where I had the chance to put everything I had learned in the course into practice.”

Jordi Mas

IQS Alumnus – Master in Industrial Management. Class of 2015-2016. Currently working as Procurement and Supplier Quality eDrive in Mercedes-Benz Cars (Daimler)

Master in Pharmaceutical Chemistry

The objective of the Master's Degree in Pharmaceutical Chemistry is to train professionals and researchers to carry out research and development of products, processes and services in different industrial sectors related to Pharmaceutical Chemistry.

This Master's Degree prepares students for employment in various industrial sectors. Academic and industrial research positions, development and production in the pharmaceutical industry, the biomedical sector and other related sectors.



Requirements:

Degree in Chemistry, Pharmacy, Chemical Engineering, Biochemistry, Biotechnology, Nanotechnology and others.



Duration and Academic Workload:

18 months (3 semesters).
90 ECTS credits.



Practical Work:

More than 50% of the credits.



Master Thesis:

30 ECTS credits.



Teaching Language:

English.



Timetable:

Monday to Friday
from 8:00 am to 2:30 pm.



Price:

First Year: 13,080 €.
Second Year: 4,000 €.



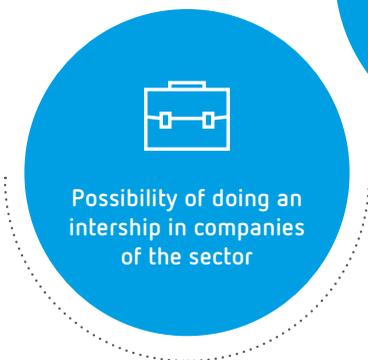
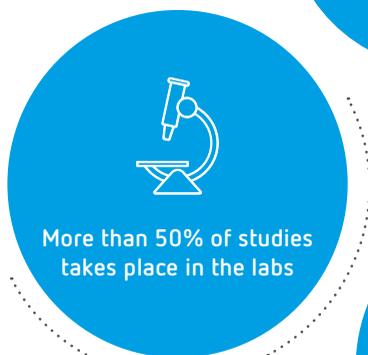
Master in Pharmaceutical Chemistry



“The fundamental objective of this program is to provide the students with the theoretical and practical knowledge necessary in order to join the multidisciplinary teams needed for the development and production of a drug.”

Dr. José I. Borrell – Coordinator of the Master's Degree in Pharmaceutical Chemistry.
jose.borrell@iqs.url.edu

Program highlights



Career Opportunities

Graduates will be able to work in research, development and innovation at a high level in the industry or academia. Alternatively, they could further their academic careers by doing a doctorate.

- ✓ Professionals in various industrial sectors (pharmaceutical, biomedical and veterinary industries and related areas) in research areas of new biologically active elements (computational design, synthesis and biological evaluation of “small molecules”) and the production of API's (Active Pharmaceutical Ingredients), to cover the development of industrial synthetic processes, drug analysis and regulation in the pharmaceutical industry.

- ✓ Joining Universities and research centers as professionals in academic and industrial research (translational) and transfer technology.

Master in Pharmaceutical Chemistry

Curriculum

The Master's Degree in Pharmaceutical Chemistry consists of 90 ECTS credits, spread over two semesters of lectures worth 30 ECTS credits each and a third semester worth 30 ECTS credits for the Master's Thesis. This has to be presented in a public session and defended before a tribunal.

- **Transverse module:** general vision of the entire process of R+D of a drug and knowledge of the techniques of project management in a company.
- **Drug research module:** necessary tools to research new drugs from their design and selection phase, synthesis of molecule candidates and spectroscopic techniques, identification and characterization.
- **Drug production module:** specific knowledge in the production of drugs.
- **Optional subjects module:** two optional subjects can be chosen to complement the knowledge acquired in previous modules.
- **Master thesis module:** a project carried out through individual research within a research group and under the guidance of a Masters lecturer.

TRANSVERSE MODULE	ECTS
Pharmaceutical Chemistry	5
Project Management	5

DRUG RESEARCH MODULE	ECTS
Molecular Design	4
Advanced Organic Synthesis	4
Structural Identification and Characterization	4
Integrated Laboratory I	8

DRUG PRODUCTION MODULE	ECTS
Process Chemistry	4
Drug Analysis	4
Quality Management and Regulatory Affairs in the Pharmaceutical Industry	4
Integrated Laboratory II	8

OPTIONAL SUBJECTS MODULE	ECTS
Choose two subjects	
Photochemistry	5
Pharmacology for Chemists	5
Experimental Design	5
Advanced Drug Delivery	5
Evaluation of Compounds with Biological Activity	5

MASTER THESIS MODULE	ECTS
Master Thesis	30

More info at: www.iqs.edu/es/masters/master-quimica-farmaceutica

“



This Master's Degree has enabled me to deepen my knowledge of the process of research and development of drugs. It has opened the doors to a new professional sector, as is pharmaceutical chemistry. Furthermore, I have had the opportunity to do an internship in a leading pharmaceutical company, Ammirall.”

Anna Vilanova

IQS graduate, Master in Pharmaceutical Chemistry. Class of 2016-2017.

Master in Pharmaceutical Chemistry

Applicant Profile

The Master's Degree in Pharmaceutical Chemistry is aimed at graduates in Chemistry, Pharmacy, Chemical Engineering, Biochemistry, Biotechnology or Nanotechnology, who would like to expand and steer their professional paths in the direction of Pharmaceutical Chemistry.

Depending on the degree held, the requirements of educational supplements are:

- **Degree in Chemistry:** no complementary training required.
- **Degree in Chemical Engineering, Pharmacy, Biochemistry, Biotechnology or Environmental Science:** complementary training required.

With reference to complementary training and access of other degrees, the admissions committee will study each individual case and specify what type of complementary training the candidate should do.

Research

The research necessary to carry out the Master Thesis are those of the lecturers of the Master in Pharmaceutical Chemistry. Among which we highlight the following:

- Design, synthesis and biological evaluation of new compounds with potential activity in cell signaling. HIV (AIDS) and HCV (hepatitis C).
- Design, synthesis and biological evaluation of new compounds with potential activity against Myotonic Dystrophy.
- Molecular design: computational chemistry and chemometric methods applied to drug design.
- Singlet oxygen in biology, chemistry and medicine.
- Light biomedical applications.
- New strategies in antimicrobial photodynamic therapy: genetically encoded photosensitizers, peptide-photosensitizer conjugates and multicationic photosensitizers.
- New strategies in singlet oxygen detection using fluorescence probes.
- Pyrrolic structures with pharmacological activity and as Sensors of relevant biological species.
- Mesoporous silica nanoparticles as nano vehicles of sensors and drugs.
- Experiential design and empirical optimization.
- Quality management in chemical laboratories: validation of analysis procedures and metrological confirmation of teams.
- Analysis of drugs and related substances by chromatographic and electrophoretic techniques (HRGC, HPLC and HPCE). Design, development, validation and transfer of procedures.

Access to the labour market |

Companies belonging to Fundació Empresas IQS and/or companies that took part in the last IQS Business Forum.



Master's Admissions Process



1

Online Application

at www.iqs.edu/en/online-preregistration

Create an account and log-in to iqs.edu



Required documentation:

- Transcript of records with average grade in a scale 0-10.
- Photocopy of valid passport or ID card.
- Passport photo.
- Document certifying the level of English required to enroll in the Master's degree (MGEM: 80 TOEFL or 6.0 IELTS score).
- Processing fee of € 100. (Refundable in case of not being admitted).
- **Specific additional documents will be required for MGEM applicants:**
 - Copy of the academic degree certificate or diploma;
 - Curriculum Vitae; 2 Letters of recommendation;
 - Cover letter; Passport photocopy; 3 Passport photos.

Non-European students must certify their diploma or ask their university to certify that their bachelor's degree diploma is official and would allow them to pursue a Master's degree in their country of origin.



3

Place Reservation

If admitted, in maximum terms of 15 days, the student must reserve the place (€ 1,000) through the platform. In case of applying for MGEM, the deposit will be \$ 6,000.

The Reservation fee does not represent an additional cost and will be deducted from the total tuition amount once the student makes the final enrolment.

2



Admissions Process

Once the study of your candidacy is resolved by the Admissions Committee, IQS will inform you of your admission through email in a maximum term of 15 days from the day you confirmed the pre-registration procedure online. During this period of time, IQS will also contact you in case you need to take previous training courses complement.

4



Master's Enrolment

The seats will be assigned both by pre-registration order and by the reservation payment.

IQS General Secretariat will contact the applicant in order to schedule the day and time to carry out the final enrolment.

For any further information:

IQS Corporate Marketing and Communication

Vía Augusta, 390
08017 Barcelona
Tel. (34) 932 672 020

admissions@iqs.edu



PERSONA CIENCIA EMPRESA
UNIVERSITAT RAMON LLULL

IQS UNIVERSITY PROGRAMS

Degrees

SCHOOL OF ENGINEERING

Undergraduate Programs

- Biotechnology
- Pharmacy
- Industrial Engineering Technology
- Chemistry
- Chemical Engineering

Graduate Programs

- Analytical Chemistry
- Pharmaceutical Chemistry (entirely in English)
- Materials Science and Engineering
- Chemical Engineering
- Industrial Engineering
- Bioengineering
- Postgraduate Program in Biotech and Pharmaceutical Industry (entirely in English)

PhDs

- Bioengineering
- Chemistry and Chemical Engineering

SCHOOL OF MANAGEMENT

Undergraduate Programs

- Business Administration and Management (gradual Spanish-English)
- Business Administration and Management (entirely in English)
- Marketing (with double international undergraduate degrees)

Graduate Programs

- Global Entrepreneurial Management (entirely in English)
- International Marketing in a Digital Environment / International Marketing & Sales Management (entirely in English)
- Auditing and Management Control
- Wealth and Financial Management
- Industrial Business Management (entirely in English group or Spanish group)

PhDs

- Business and Territorial Competitiveness, Innovation and Sustainability (CETIS)

UNDERGRADUATE DUAL PROGRAMS

- Biotechnology + Business Administration
- Industrial Engineering Technology + Business Administration
- Chemistry + Business Administration
- Chemical Engineering + Business Administration
- Chemistry + Chemical Engineering

GRADUATE DUAL DEGREE PROGRAMS

- IQS School of Engineering Masters + Master's Degree in Industrial Business Management
- Master's Degree in Industrial Engineering + Master's Degree in Materials Science and Engineering
- Master's Degree in Chemical Engineering + Master's Degree in Industrial Engineering

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**Aristos
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Mundus**

**Campus of
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Engineering
Accreditation
Commission

Chemical Engineering and Industrial Engineering Programs, accredited by the Engineering Accreditation Commission of ABET



All IQS School of Management programs are accredited by the AACSB (Association to Advance Collegiate Schools of Business, USA)



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