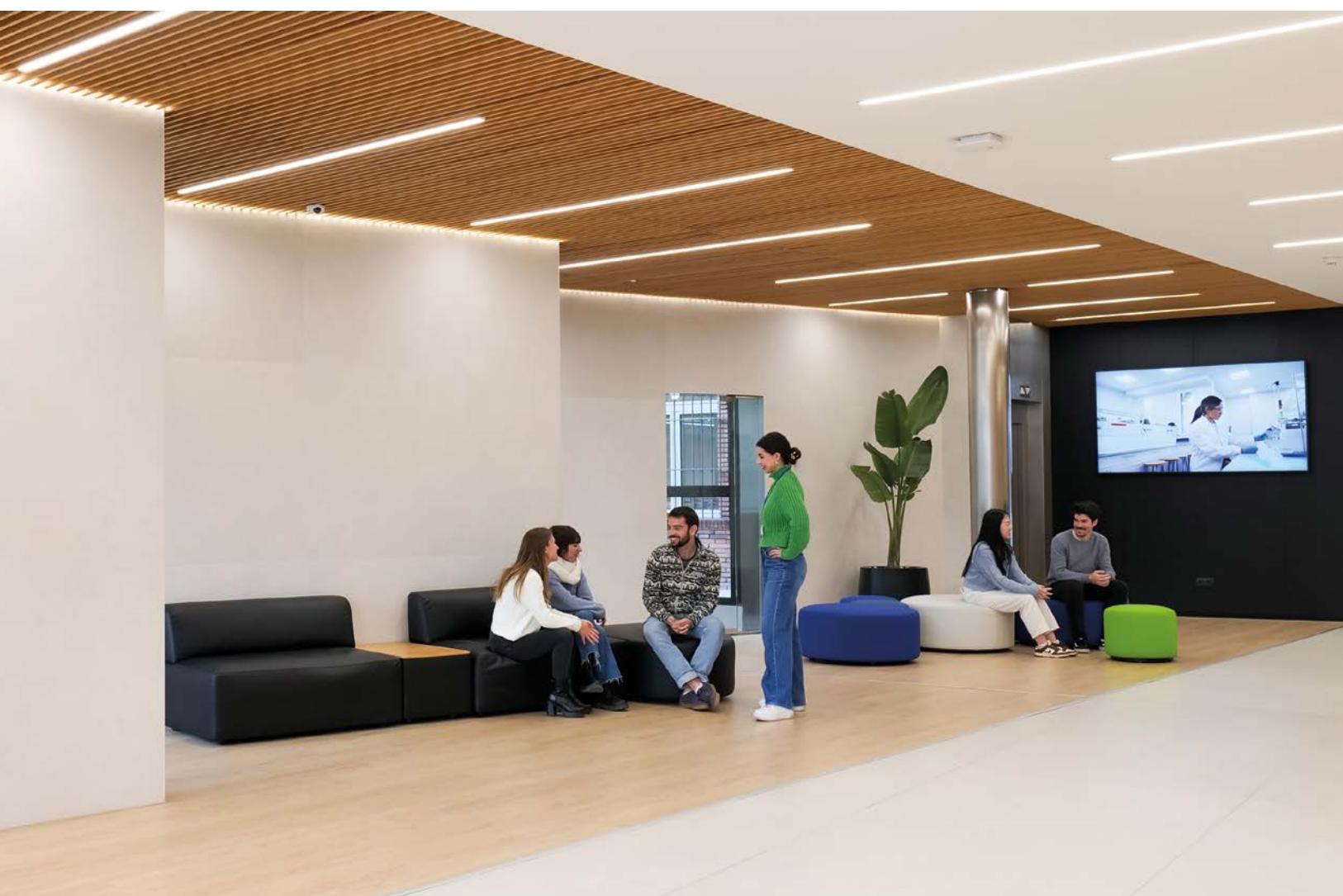


# Annual Report 24-25



# Summary

1	LETTERS OF INTRODUCTION	02
2	ACADEMIC PROJECT	04
3	ACTIVITIES BEYOND TEACHING	08
4	SOCIAL COMMITMENT	11
5	SUSTAINABILITY AT IQS	15
6	STUDENT & ALUMNI LIFE	18
7	INTERNATIONAL PROJECTION	20
8	TECHNOLOGY TRANSFER	24
9	IQS TECH FACTORY	26
10	COMMITMENT TO RESEARCH	28
11	IQS EXECUTIVE EDUCATION	32
12	CAREER SERVICES	34
13	IQS ALUMNI	37
14	IQS BUSINESS FOUNDATION	38
15	INSTITUTIONAL ACTIVITY	42
16	THIS IS IQS	44
17	GOVERNING BODIES	46
18	ACADEMIC OFFERING: OFFICIAL DEGREES FOR ACADEMIC YEAR 2026-2027	47



## Letter from the President

In the field of governance this academic year, Father Enric Puig SJ was succeeded as the President of IQS. During the almost fifteen years of his tenure, IQS experienced remarkable growth: the number of students and all staff members—the teaching team, the research staff, and management, administration, and service staff—has doubled and more than €40 million has been earmarked to improving and adapting IQS facilities to ensure sustainable development and the best academic conditions for educating future professionals. In addition to pursuing academic excellence, Father Puig has also promoted many of the initiatives that, under the Identity and Mission banner, seek to uphold the founding challenge of IQS: to educate individuals with excellence in reflection, discernment, and professional competence in accordance with the Ignatian tradition.

With the replacement of Father Puig, we have renewed part of our Board of Trustees to continue combining experience and new voices. In addition to being honoured for contributing to the good governance of the institution, the Trustees aim to be present in the school's management, its institutional objectives, and in growing IQS, always placing the comprehensive education of students at the centre. We pay particular attention to ensuring that IQS is managed sensibly and that appropriate and prudential financial criteria are applied to enable us to achieve sustainable growth. All our efforts are aimed at caring for our common home through science, technology, economics, and health. Knowledge generation, thinking, research, and transfer form part of IQS's DNA.

This academic year has represented the final year of an ambitious strategic plan that has enabled us to consolidate our capacity to enrol nearly 3,000 students, placing our school in a position of strength and future projection. We are taking on challenges with the new strategic plan being drawn up by the management team led by our Director, Dr Salvador Borrós, which we are certain will allow us to project ourselves into the future with solvency and enthusiasm. I can't reveal more at the moment, but you will discover that almost anything is possible if we maintain the same drive, perseverance, and courage that has led us here.

As far as our relationship with Ramon Llull University is concerned, I cannot help but comment with infinite sadness on the sudden death of our esteemed Rector, Dr Josep Antoni Rom. His presence left a personal and institutional mark of great relevance, and his absence inspires us to continue working faithfully with the values he defended. Ramon Llull University is focused on important challenges to which we are committed together, and significant progress has been made during the past year in launching new degrees that will begin to be taught in academic year 2026-27, including the Bachelor's Degree in Applied Mathematics, in collaboration with La Salle, and the new Bachelor's Degree in Medicine, led by Blanquerна.

Thank you very much to everyone who forms part of the IQS community for your dedication, your persistence, and your commitment, all of which are making the educational and social mission of our institution possible for yet another year.

**Dr Vicenç Pedret Clemente**  
President of the IQS Foundation



## Letter from the Director

Academic year 2024-2025 has been a year full of intense activity and sustained growth at IQS. We have continued to develop our strategic plan, reinforcing our identity and advancing with projects that consolidate IQS as an innovative, demanding, and committed university institution. This is thanks to the joint and committed work of the entire IQS community.

This year we have reached important milestones. We have obtained authorization from the AQU for the new Bachelor's Degree in Applied Mathematics, which is expanding our educational offer and reinforcing the presence of IQS in STEM fields. At the same time, we have promoted spaces for scientific outreach and reflection, such as the **IQS Cambridge Talks** series, **ChemBioEng**, and the recent **Life in Equations**, the latter directly linked to the launch of the new bachelor's degree. All these initiatives intensify the dialogue between research, teaching, and society, placing IQS in a relevant position within the international scientific ecosystem.

Another highlight has been the success of service-learning initiatives, which have grown both in number and impact. More and more students are working closely with social and community organizations, putting their knowledge at the service of real needs and integrating academic excellence with social commitment. This model strengthens a way of learning that is deeply human and consistent with our educational tradition.

As in last year's report, I would like to highlight once again the excellent work carried out by our professors and researchers in the area of research, of which we are very proud. With all the talent that has joined us in recent years, we are confident of maintaining and enhancing this growing dynamic in the future.

We have strengthened collaboration with universities under the Society of Jesus in Spain and intensified our networking within UNIJES, both in academics and in research projects,

along with shared strategic initiatives. This approach strengthens us as a university community and drives us to share talent, experiences, and vision.

Within this framework, we have taken a decisive step in our commitment to sustainability and caring for our common home with the launch of the **UNIJES Reference Research Centre (RRC) in Ecology and the Environment**, led by IQS. The RRC will bring together interdisciplinary teams from various Jesuit universities and promote research aimed at protecting the environment and generating scientific solutions for a just ecological transition. Along these lines, I would like to stress that IQS is deeply committed to building a more sustainable and inclusive future. At IQS we work to generate knowledge that contributes to the health of the planet and the wellbeing of society, promoting research in environmental and social areas that provides rigorous responses to global challenges. This commitment is also reflected in our calling: we educate students who are principled, critical, and capable of growing personally and professionally to multiply their positive impact on the world. Understood as a shared responsibility, sustainability is now a backbone of our university mission.

We encourage you to read the pages of this report in full as they reflect the projects, efforts, and successes of the past academic year in detail. IQS, a Society of Jesus university centre and member of Ramon Llull University, will continue to work with rigour, openness, and a calling for service. Thank you for joining us on this educational and transformational mission.

**Dr Salvador Borrós Gómez**  
Director of IQS





# Academic Project

2

**IQS organizes its academic programmes through its two faculties: the IQS School of Engineering, for scientific and technical studies, and the IQS School of Management, which teaches studies related to business administration and management. A founding member of Ramon Llull University, IQS is a prestigious institution renowned domestically and internationally for its scientific education and academics, making it a model university in the educational community.**

## BACHELOR'S DEGREES

- **Bachelor's Degree in Chemistry and Bachelor's Degree in Chemical Engineering.** These programmes allow students to acquire a solid foundation of scientific knowledge, learn hands-on laboratory skills, and delve into the industrial world to design, develop, and apply productive processes.
- **Bachelor's Degree in Biotechnology.** This programme offers a solid foundation of scientific knowledge to work in the field of biotechnology, with a special emphasis on environmentally friendly, sustainable, and product-generating methods of production that contribute to progress and wellbeing.
- **Bachelor's Degree in Pharmacy.** This programme offers a solid foundation of knowledge in all aspects related to drugs and medicines, which allows graduates to enter the healthcare system by providing humanized healthcare, assistance, and pharmacotherapeutic knowledge. The programme is taught jointly with Blanquerna.
- **Bachelor's Degree in Industrial Engineering.** This programme offers a multidisciplinary education in industrial technologies that allows graduates to take action in designing, developing, and creating useful goods for society as a whole.
- **Bachelor's Degree in Biomedical Sciences.** This bachelor's degree focuses on students acquiring knowledge in biosciences that enables them to apply research in the field of medicine in order to better understand the pathological mechanisms that cause human diseases and treat them more efficiently.
- **Bachelor's Degree in Business Administration and Management.** With the possibility for students to take classes taught entirely in English, or progressively from Spanish to English, this programme provides knowledge pertaining to the different areas of the business world: economics, finance, accounting, marketing, human resources, and management.
- **Bachelor's Degree in Marketing.** This programme prepares students to manage and lead companies in digital, communications, and marketing areas. It also offers the possibility of studying abroad for an academic year at one of the European universities with which IQS has agreements in place —Northumbria University (United Kingdom), Jönköping Business School (Sweden), Pforzheim University (Germany), or Rennes School of Business (France)— to earn a dual international degree.

- **Bachelor's Degree in International Business.** This programme prepares students to develop leadership and management skills in global settings and manage and lead companies in digital, communications, and marketing areas. With a fully international experience, this bilingual programme offers the possibility of obtaining a triple undergraduate degree if students choose the option of spending a full year at Sheffield Hallam University (United Kingdom) and another full academic year at the IÉSEG School of Management (France).
- **Bachelor's Degree in Tourism and Hospitality Management.** This programme prepares future leaders in the tourism sector, making them ready to lead hospitality, event management, and leisure companies. At the same time, it combines the skills necessary for managing companies with skills related to hospitality in order to offer the best service to customers in this sector.

## DUAL BACHELOR'S DEGREES

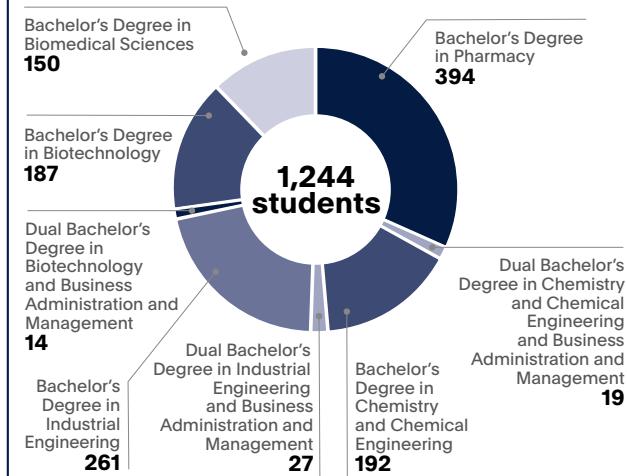
The **Dual Bachelor's Degrees** feature one of three scientific programmes in **Chemistry and Chemical Engineering**, **Industrial Engineering**, or **Biotechnology** and the **Bachelor's Degree in Business Administration and Management**. The Dual Bachelor's Degrees enable students to gain multidisciplinary education which combines a solid scientific and technological foundation with knowledge related to the different areas of business management. Moreover, students also have the option to earn the Dual Bachelor's Degree in Chemistry and in Chemical Engineering.

## MASTER'S DEGREES

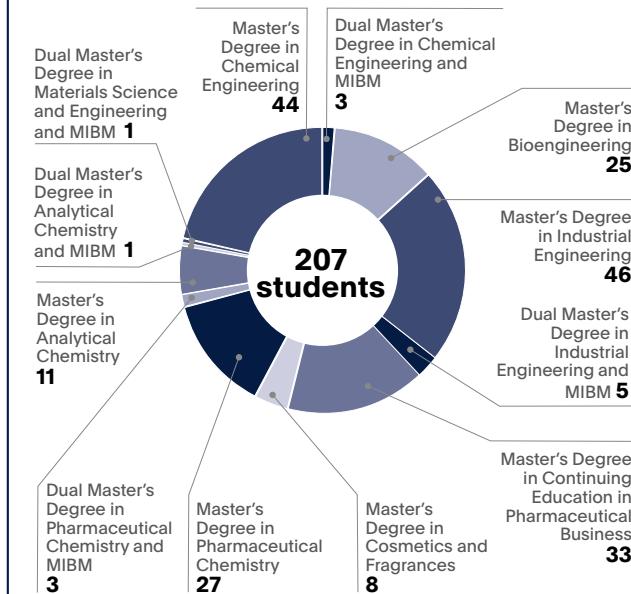
- **Master's Degree in Analytical Chemistry.** This master's degree prepares professionals and researchers with a profile applied to research and product, process, and service development in different sectors related to analytical chemistry.
- **Master's Degree in Pharmaceutical Chemistry.** Taught entirely in English, this programme provides knowledge for future professionals on the research and development of products, processes, and services in different sectors related to pharmaceutical chemistry.
- **Master's Degree in Materials Science and Engineering.** This programme trains future professionals in the research and development of products, processes, and services in industrial sectors related to chemistry, particularly in the area of materials science.
- **Master's Degree in Chemical Engineering.** Taught entirely in English, this programme provides knowledge for the design, management, and control of chemical and biotechnological production processes used in industrial process plants.
- **Master's Degree in Bioengineering.** Taught entirely in English, this programme trains future professionals in high-level research and innovation in different biotechnological, food, and biomedical production sectors.

## STUDENT STATISTICS IQS SCHOOL OF ENGINEERING

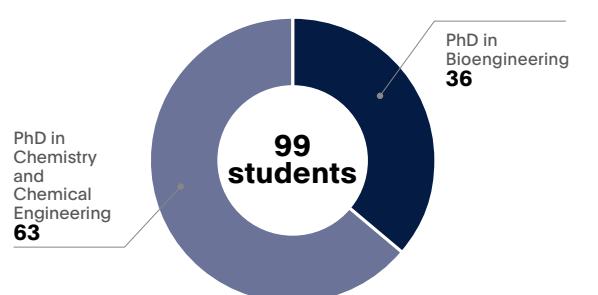
### Bachelor's Degrees and Dual Bachelor's Degrees



### Master's and Dual Master's Degrees



### Doctoral Programmes

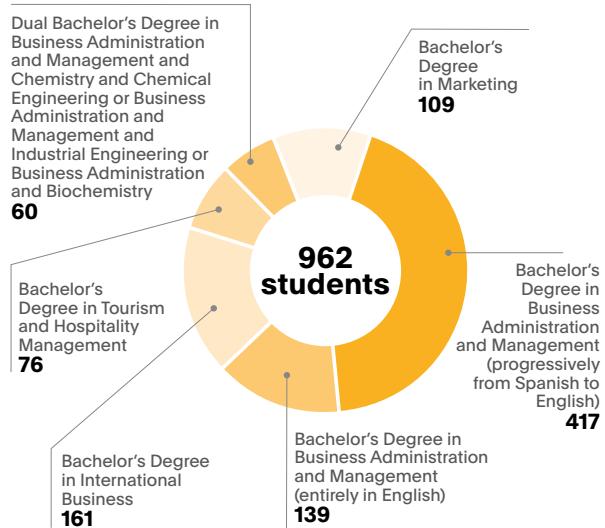


TOTAL IQS  
SCHOOL OF  
ENGINEERING

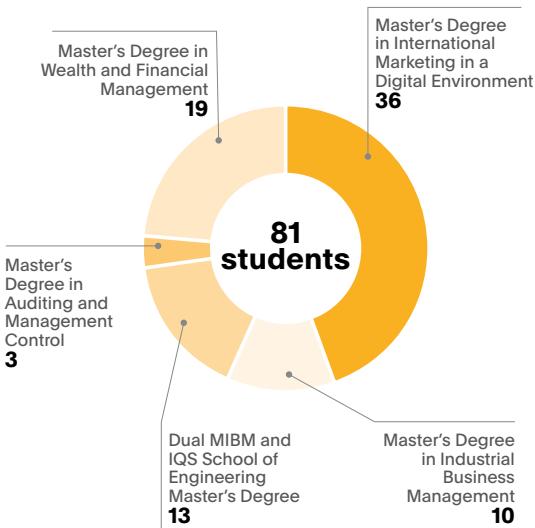
1,550 STUDENTS

## STUDENT STATISTICS IQS SCHOOL OF MANAGEMENT

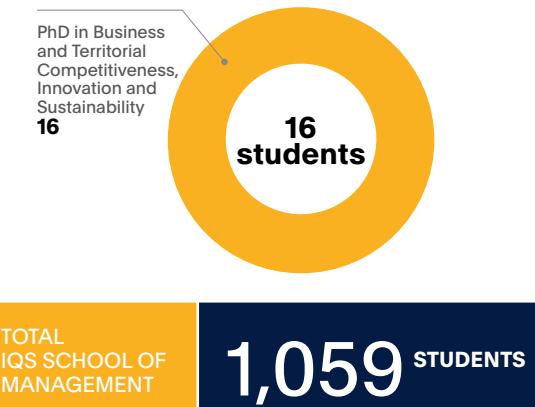
### Bachelor's Degrees and Dual Bachelor's Degrees



### Master's and Dual Master's Degrees



### Doctoral Programmes



- **Master's Degree in Industrial Engineering.** This programme provides professionals with the skills society requires from the industrial engineering profession based on legal requirements.

- **Master's Degree in Biopharmaceutical Business.** Taught entirely in English, this programme trains professionals who wish to develop their potential in companies in the pharmaceutical, biotechnology, or medical technology sectors by providing them with a multi-disciplinary vision that enables them to take on qualified management tasks in the different areas that make up these sectors.

- **Master's Degree in Cosmetics and Fragrances.** This programme provides comprehensive training to students by combining theoretical knowledge and hands-on applications in the field of cosmetics, perfumery, and management related to these industries so students can easily join the sector following their studies.

- **Master's Degree in Industrial Business Management.** Taught entirely in English, this programme provides additional training to eligible graduates from technical and scientific backgrounds and allows them to take on positions of responsibility in business management and administration.

- **Master's Degree in Marketing in a Digital Environment.** Taught entirely in English, this programme provides the skills to successfully attain a professional career in the area of marketing and sales.

- **Master's Degree in Auditing and Management Control.** This programme offers advanced training in the field of accounts auditing and the economic management of companies and enables students to partially validate the theoretical access test for membership with the Spanish Accounting and Auditing Institute (ICAC). It offers the possibility of specializing in management control/financial management or business accounting.

- **Master's Degree in Wealth and Financial Management.** This programme offers advanced and specialized technical training aimed at preparing students to take on positions in private banking, wealth management, corporate finance, and areas related to the world of financial markets in general. Accredited by the Spanish National Securities Market Commission (CNMV) for positions established by the European Directive MiFID II (Markets in Financial Instruments Directive) and a member of the University Affiliation Program (UAP) of the Chartered Financial Analyst (CFA) Institute.

### DUAL MASTER'S DEGREES

The Dual Master's Degree option allows students to combine any of the six master's degree programmes offered by the IQS School of Engineering (Master's Degree in Analytical Chemistry, Master's Degree in Pharmaceutical Chemistry, Master's Degree in Materials Science and Engineering, Master's Degree in Chemical Engineering, Master's Degree in Bioengineering, and Master's Degree in Industrial Engineering) and the Master's Degree in Industrial Business Management. This

opportunity provides students with multidisciplinary training in which scientific and technological specialization is combined with the knowledge and skills necessary to take on management and leadership roles in the various functional areas of a company. The Dual Master's Degree Programmes have also been expanded with the possibility to pursue the Master's Degree in Industrial Engineering with the Master's Degree in Chemical Engineering, the Master's Degree in Pharmaceutical Chemistry with the Master's Degree in Biopharmaceutical Business, and the Master's Degree in Bioengineering with the Master's Degree in Biopharmaceutical Business.

## DOCTORAL PROGRAMMES

- **PhD in Chemistry and Chemical Engineering.** This programme trains doctoral researchers who are specialized in the most modern fields of Chemistry, Chemical Engineering, and Industrial Engineering to be skilled in contributing to improving competitiveness and innovation in their industries. The Doctoral programme has earned a Mention towards Excellence (Official State Gazette of 6 October 2011 of the General Secretary of Universities of the Ministry of Education).
- **PhD in Bioengineering.** This programme trains doctoral researchers who are capable of conducting advanced research in the areas of Bioengineering and Biotechnology to be able to join biotechnology companies as highly qualified professionals.

- **PhD in Business and Territorial Competitiveness, Innovation and Sustainability (CETIS).** This programme trains professionals in economic and business research who are capable of joining companies that have an inherent need for research and innovation. It is taught jointly with the Universidad de Deusto and the Universidad Pontificia Comillas, ICADE.

## SCHOLARSHIPS AND FINANCIAL AID

IQS awards scholarships and financial aid based on criteria of academic excellence and financial need. Focusing on academic excellence criteria, students with excellent academic transcripts can benefit from a 50% reduction to tuition fees for undergraduate studies. During academic year 2024-2025, scholarships were awarded to students with excellent academic records both in IQS School of Engineering and IQS School of Management programmes. Based on financial need, students can apply for IQS scholarships and financial aid for the full or partial amount of the tuition fees for the academic year, based on the economic status of the student's nuclear family.

TOTAL AMOUNT OF SCHOLARSHIPS AND FINANCIAL AID AWARDED IN ACADEMIC YEAR 2024-2025	<b>€2,319,896</b>
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# 3

## Activities Beyond Teaching



**With the aim of enriching rigorous debate among the university community in the fields of science, technology, business management, and economics, IQS has held different activities in the format of lecture cycles and seminars open to students, faculty, and the general public.**

### CONFERENCE CYCLES

#### / ChemBioEng IQS Talks

- Recording the physiological history of cells with chemical labelling. Kai Johnsson, PhD. Director of the Department of Biological Chemistry at the Max Planck Institute. 11 November 2024.
- Plasmonic Hybrid Materials to Monitor Tumour Activity. Luis M. Liz-Marzán, PhD. Scientific Director of CICBiomaGUNE. 14 March 2025.
- How to computationally generate efficient enzymes? Dr Sílvia Osuna Olivares. ICREA researcher. University of Girona. 30 May 2025.

#### / IQS-Cambridge Talks

- Delivering sustainable infrastructure. The challenge of the paradox. Dr Peter Guthrie. Former Director of the Centre for Sustainable Development, Cambridge. 21 February 2025.
- Economic possibilities in the Anthropocene. Dr Partha Dasgupta, professor emeritus at Cambridge. BBVA Frontiers of Knowledge Award. 6 March 2025.
- The Brussels effect and the global climate policy. Dr Michael Pollitt, Head of Economics & Policy, Judge Business School, Cambridge. 28 March 2025.
- Geography of discontent and the challenge of marginalized areas. Dr Maria Abreu, Professor of Economic Geography, Cambridge. 16 May 2025.

#### / Life in Equations

- The Ersilia Model Hub: Open Source AI for Antimicrobial Drug Discovery in Developing Countries. Dr Miquel Duran Frigola, cofounder of the Ersilia Open Source Initiative. 26 February 2025.
- Artificial intelligence and molecular modelling in drug discovery. Dr Victor Guallar. ICREA researcher. 25 March 2025.
- Describing and explaining organogenesis through computer modelling. Dr James Sharpe, Director of the European Biology Laboratory. 28 April 2025.
- Models and epidemics: interdisciplinarity for smarter health. Dr Clara Prats, Professor of Physics, Universitat Politècnica de Catalunya. 3 June 2025.

### SEMINARS

#### / Organized by the IQS School of Management and entitled Dean Dialogues:

- Vaccine hesitancy and mobility in China. Dr Octasiano Valerio. 17 September 2024.
- Mapping HDI's geostructures of inequality: a poset analysis. Dr Francesc Martori. 1 October 2024.
- Intergenerational differences in aporophobia: exploratory evidence from Barcelona. Dr Cristina Montañola. 8 October 2024.
- Consumer attitudes towards non or low alcoholic spirits. Dr Belén Derqui. 15 October 2024.
- Policies of development paradigms and indicators. Dr Tadashi Hirai. 22 October 2024.
- Coping with Just Transition in carbon-intensive EU regions. Dr Roberto Cantoni. 29 October 2024.

- *Institutional aporophobia: An exploratory analysis through in-depth interviews with homeless people.* Dr Núria Agulló and Juan Albacete. 5 November 2024.
- *Drivers of innovation efficiency: a capabilities perspective.* Dr Alfonso Hernández. 12 November 2024.
- *Greening the Future: How environmental technologies are transforming societies and economies.* Dr Yerai Asensio. 19 November 2024.
- *The Ignatian Way: transforming people and communities.* Dr Gilda Hernández and Jorge Peralta. 26 November 2024.
- *Credit cycles and labor market slacks: predictive evidence from Markov-switching models.* Dr Mihaly Borsi. 3 December 2024.
- *Navigating the Nexus: Blockchain Technology, Social Innovation, and Digital Complementary Currencies.* Dr Paola Raffaelli. 10 December 2024.
- *Exploring the Inequities in Entrepreneurial Ecosystems to Inform Policy Support: A Cross Case Comparison in Canada, Mexico and Spain.* Dr Daniella Freund and Dr Itziar Ramírez. 17 December 2024.
- *Resonance: The Final Dissolution of Religions or the Last Stage of Secularization.* Dr Xavier Casanovas and Dr Oriol Quintana. 14 January 2025.
- *One Reform for All? The impact of firms' export and innovation status on the adoption of structural reforms.* Dr Ramon Xifré. 21 January 2025.
- *Innovative green applications through radiofrequency heating.* Dr Javier Fernández. 28 January 2025.
- *Quantum computing for market research.* Dr Laura Sáez. 4 February 2025.
- *What Adolf Reinach's phenomenology on social acts can teach to current philosophers interested in metaethics.* Dr Rubén Guilanya. 11 February 2025.
- *Operationalizing the Leave No One Behind: Intersectionality as a Pathway to Justice in Sustainable Development Goals.* Ms Rallou Taratori. 18 February 2025.
- *Navigating the Technological Landscape in Hospitality: Added values and Entry Barriers of Technologies 4.0.* Dr Albert Fornells. 25 February 2025.
- *EEG hyperexcitability and hyperconnectivity linked to GABAergic inhibitory interneuron loss following traumatic brain injury.* Dr Michael Bruins-Haylett. 4 March 2025.
- *Measuring social impacts in higher education: an analysis using university rankings.* Ms Martina Ferraz. 11 March 2025.
- *Adaptive Structuring Theory Meets Generative AI: Understanding Behavioral Intentions in Using ChatGPT for Information Search.* John Ravi. 18 March 2025.
- *Issues in small data and how to mix bottom-up and top-down approaches to compensate for the lack of Big Data.* Dr Cristina Marianescu. 25 March 2025.
- *"What Matters to Us": Examining Generation Z Work Values and Ethics at Work as an Approach to Enable a Smooth Transition to the Workplace.* Dr Itziar Ramírez and Dr Albert Fornells. 1 April 2025.
- *Immersive Technologies: Consumer Psychology & Impact on Societal Questions.* Dr Jonas Heller and Dr Tim Hilken. 8 April 2025.
- *The social internal dynamics factors shape aporophobia using Agent-Based Modelling (ABM).* Badamashi Bashir. 22 April 2025.
- *Global literacy on sustainability knowledge and consequences among undergraduate students from different universities around the world.* Dr Gerard Martorell. 29 April 2025.
- *Consumers rejection towards sustainable products.* Ms Michelle Schwarz. 6 May 2025.
- *The Corporate Human Development Index: the case of Natura.* Dr Flavio Comim. 13 May 2025.
- *Relations of standard utilitarian economics to politically polarized conflicts over climate protection.* Dr Jürgen Volkert. Pforzheim University. 20 May 2025.
- *To buy, not to buy, or to buy better, that is the question! How emotions and motivations affect sustainable fashion consumption.* Dr Irene Garnelo. 27 May 2025.
- *Fear of Missing Out: How FOMO appeals influence consumers. Spoiler: It's not for the better.* Dr Jan Meyer and Dr Jorge Matute. 3 June 2025.
- *The Role of Artificial Intelligence in Simulating Complex Scenarios for Developing Critical Thinking in Business Schools.* Dr Roberta Giannini. 10 June 2025.

#### / Organized by the IQS School of Engineering:

- *Where are the butterflies? Mathematics to discover your future.* Dr Giovanni Dalmaso. 23 September 2024.
- *Quality control in Pharmaceutical Business.* Dr Alfonso Hernández. 30 October 2024.
- *ChatGPT as a Teaching Assistant: Tools and Practical Examples.* Ignacio Azor Granada. 6 November 2024.
- *Biomimetic Structures: the use of patterns from nature in the generation of innovative and sustainable construction solutions.* Iris Selgar. 13 November 2024.
- *Development of advanced microscopy techniques to illuminate intracellular dynamics of p $\beta$ AE polyplexes.* María Navalón López. 21 November 2024.
- *Evaluation of Au-based nanosystems for targeted nucleic acid delivery and sensing in cancer cell lines.* Dr Margarita Sánchez-Domínguez, CIMAV Monterrey. 5 December 2024.
- *Sex-specific study of kidney cell metabolism in health and diabetes.* Dr Sergi Clotet Freixa. McMaster University. 19 December 2024.
- *Novel integration of advanced post-processes to improve the internal and external performance of high value-added metal parts obtained via material extrusion.* María Cecilia Mera. 8 January 2025.
- *Development of therapeutic hybrid vectors for Duchenne Muscular Dystrophy.* María Stampa López-Pinto. 15 January 2025
- *Process Parameter Exploration for Enhancing WJ-MSCs Closed System Production.* Victor Garcia Gragera. 27 February 2025.
- *Mathematics: The Unifying Force.* Dr Giovanni Dalmaso. 20 January 2025.
- *The Ersilia Model Hub: Open Source AI for Antimicrobial Drug Discovery.* Dr Miquel Duran-Frigola. 26 February 2025.
- *Development of bicyclic peptides for the transport of bio- and nano-therapeutics across brain endothelium.* María Celia Lucana Meneses. 18 March 2025.
- *Artificial Intelligence and Molecular Modelling in Drug Discovery.* Dr Victor Guallar. 25 March 2025.
- *BINDSCAN: a computational protocol for the engineering of glycoside hydrolases.* Aitor Vega Sánchez. 24 April 2025.
- *Model Optimization with Pyomo.* Dr Daniel Vázquez. 28 April 2025.
- *Understanding Limb Development Through Computer Modelling.* Dr James Sharpe. 28 April 2025.
- *Chitosan, Biocontrol Fungi and Plants: stress can be good to you.* Dr Luis López Llorca. University of Alicante. 29 April 2025.
- *Design of nature-inspired stabilized peptides as next generation opioid drugs.* Dr Christian W. Gruber. Medical University of Vienna. 27 May 2025.
- *Deep Neural Networks Tutorial.* Dr Horacio Rostro. 30 May 2025.
- *Machine Learning and Neural Networks for Chemical Applications.* Alfredo Gutiérrez. 4 June 2025.
- *Spray drying siRNA-polymeric nanoparticles for dry powder pulmonary delivery.* Toni Torres Coll. 12 June 2025.
- *Models and epidemics: interdisciplinarity for smarter health.* Dr Clara Prats. 25 June 2025.
- *Unveiling Solid Tumour Microenvironment for revolutionary nano-immunotherapies.* Dr Helena Florindo. University of Lisbon. 27 June 2025.
- *Multiscale simulations, machine learning, experiments, theory, and design for the protein-nanoparticle coronas.* Dr Giancarlo Franzese. University of Barcelona. 8 July 2025.
- *Engineering small extracellular vesicles: new strategies for tracking, purification, and functionalization towards pulmonary delivery.* María José Sánchez Gómez. 11 July 2025.



# 4

## Social Commitment

### ***IQS channels all activities related to the ethical and human dimension through the Identity and Mission Committee.***

Designed as a meeting place, the Identity and Mission Committee aims to **facilitate knowledge of the Christian faith and enable the practice of volunteer activities, promote vocational culture, and keep the Christian and Jesuit identity of the school alive.** All these activities are carried out in coordination with the intellectual, social, and pastoral work of the Spanish Province of the Society of Jesus, the UNIJES (Jesuit University Centres of Spain), the International Association of Jesuit Universities (IAJU), the Eastern Territorial Apostolic Platform of the Society of Jesus, the Jesuit Education Foundation, and EDUCSI (the Spanish Province of the Society of Jesus education sector).

### **ACTIVITIES**

#### **/ Promote vocational culture and keep the Christian and Jesuit identity of the school alive:**

- Offering the weekly Eucharist, Christmas Mass, and Ash Wednesday.
- Prayer for Peace (22 October 2024).
- Monthly Bible reading group meetings for faculty and staff.
- Contemplative hike through the Montnegre mountain range (26 April 2025).
- Ignatian bike route around Manresa (7 June 2025).
- Gatherings of the IQS Magis Group in coordination with the Spanish MAGIS office.
- Launch of "Listening Sessions" to help share what was learned during UNIJES I+M training and foster vocational culture. (19-20 June 2025).

#### **/ Organization of workshops and events aimed at IQS students and faculty:**

- Participation in welcoming undergraduate and graduate students, with education on the history and Ignatian values of IQS.
- "IQS Lunchtime Chats": a shared reflection on professional calling within the framework of a dialogue between students and an IQS professor or employee.
  - Lunchtime Chat with Mr. Juan Miguel Fornas (5 December 2024).
  - Lunchtime Chat with Dr Marta Guerra (24 April 2025).
- Identity and mission course (16 January 2025) for new faculty and staff at the Holy Cave Sanctuary in Manresa.
- Celebration of the "IQS Community": various training sessions with themes related to the identity and mission of IQS:
  - «Current challenges for UNIJES Universities» with Dr Ana García-Mina, UNIJES representative (4 October 2024).
  - «Christian Humanism at the URL in the Age of Secularization,» with Dr Josep Rom, Rector of the URL (13 December 2024).
  - «The present day and meaning of monastic life,» with the Abbess of the monastery of Sant Benet deMontserrat, Dr Maria del Mar Albajar (14 February 2025).
  - «The Christian and educational challenges in Pope Francis's latest text,» with Dr Ramon Xifré, member of the IQS Department of Ethics (14 March 2025).
  - Closure of the IQS Community with the presentation of the year's summary of IQS I+M activities, followed by the presentation of the book «The lost link of Jesuit pedagogy,» by Alberto Núñez, SJ (27 June 2025).

- 26th IQS Symposium: "Environmental Justice and Joint Action," (8 January 2025), with the following presentations:
  - «Impacts of climate change: key actors,» by Dr Cristina Alonso.
  - «Green extractivism and energy justice,» by Dr Roberto Cantoni.
  - «Humanism in the face of the socio-environmental challenge,» by Dr Pedro Piedras.
- Promotion of research and rigorous analysis within the framework of the subjects from the different academic programmes at IQS.
- Ongoing Technoethics Seminar, aimed at university professors specializing in technology-related subjects and professionals from technology companies (March-June 2025).

#### **/ Social and volunteering activities:**

- Coordination of IQS corporate volunteering to support the Assisi Centre, with the participation of IQS faculty, staff, and administration.
- Between 18 October 2024 and 20 June 2025, IQS carried out the corporate volunteering programme at the La Natividad Residence through a series of informative lectures presented by research staff.

- The sessions addressed scientific, social, and cultural issues, with presentations such as:
  - «Investigating new ways to improve drug transport to the brain» (Benjamin Oller).
  - «The immortality of cells: fact or fiction?» (Carlos Semino).
  - «Pharmaceutical consultations for the wellbeing of the elderly» (Karina Dueñas Parro).
  - «Japan: a country of technology and tradition» (Ibuki Kusano, among others).
  - The cycle closed with «The dangers of mobile technology in childhood and adolescence» (Xavier Casanovas).
- Participation by IQS students as volunteers with the La Vinya Foundation, the Migrastudium Foundation, the Cabestany Centre with the Charitable Service Foundation, and the Rossinyol Programme for mentoring children.

#### **/ Promotion of charitable campaigns, such as:**

- Participation in the Food Bank food drive for the Assisi Centre (13-15 November 2024).
- Participation in the TV3 Marathon with a charitable breakfast (11-13 December 2024).
- Collection of second-hand mobile phones for the Assisi Centre (February 2025).
- "URL-IQS Mental Health Conference" (4 March 2024).
- Montserrat-Manresa Pilgrimage (21-22 March 2025).





#### / Learning and Service:



IQS is continuing to strengthen the IQS service-learning programme by implementing, across the different subjects taught at the school and gradually over time, the Service-Learning methodology, which makes it possible to integrate the knowledge taught in various subjects with community service.

During academic year 2024-25, the activities carried out within the framework of service-learning have included:

- Regularly sending training bulletins to all IQS staff on what the service-learning methodology entails and how it can be implemented, along with giving updates on project activities.
- Creation of the **Service-Learning Classroom** on the virtual campus so everyone has access to the knowledge necessary to implement the methodology, as well as examples of its application in various fields of knowledge.
- Contact with new entities in order to jointly initiate work in the field of service-learning. Recently, an educational collaboration has been initiated with the Red Cross, implementing two service-learning experiences across two different subjects within the Bachelor's Degree in Business Administration and Management.
- Participation in the **9th University and Development Cooperation Conference: New scenarios and challenges** with three papers (two oral communications and a poster) at the University of Alcalá (November 2024):

• «*Extraction and quantification of saponins from soapnuts for subsequent formulation in commercial soap*,» by Killian Marques, Clara Garcia, Albert Duran, Marga Artigues, Lourdes Margarit, and Maria Auset.

• «*Drug Analysis in the Cerrón Grande Reservoir (El Salvador). Comparison between eras and risk assessment*,» by Irene Romero Alfano, Violeta Chichique Martínez, Patricia O'Callaghan, Pol García Domínguez, and Cristian Gómez Canelo.

- Participation in the HOPE 2025 conference: «*The Jesuit University in the 21st Century: A Project of Hope for the World*,» presenting the paper «*Coffee fermentation and quality: a scientific approach to support microproducers in Guatemala*» by Margalida Esmeralda Artigues Cladera, Magda Fajes Simona, and Santiago Andrés Murillo Amador.
- Joint organization by IQS along with other universities in the UNIJES network of a second online training course on the implementation of the service-learning methodology.
- Attendance at the **5th Global UNISERVITATE Symposium**, held in person together with LUMSA University, the host institution of the event, by members of the global network of service-learning solidarity in higher education. The symposium represented a unique space for bringing together students, teachers, educational authorities, community allies, and specialists in the field, who attended from various regions around the world. The symposium represented an opportunity to make contact with the most outstanding names in this field worldwide.

- Organization, as members of the **ApSUCAT network** and together with the ACUP, of the conference *"Advancing the institutionalization of Service-Learning in universities."* The purpose of the event was to learn about the current state of service-learning in Catalan universities and how to make it part of higher education culture.
- **IQS ApS**, together with ESADE SUD and Blanquerna, promoted the creation of the **URL Service-Learning** group. The joint work of the various institutions within the URL made it possible to hold the first URL Service-Learning Conference last July, where the various schools had the opportunity to share experiences and implementation strategies. We are currently working on joint projects and creating an active and dynamic network within the URL to promote this methodology.
- IQS is working proactively on the **UNIACT** project. This project features participation by all Catalan universities through which the government is promoting a new line of work to contribute, from within higher education, to the creation and transfer of knowledge and research linked to development cooperation, to promote university cooperation, and to promote awareness for global education, thus enhancing the connection of the university community to education for social transformation. The work done on the project by IQS has made us representatives of the URL within the **Technical Network for Cooperation, Volunteering, and Refuge**.
- Participation in the **8th EASLHE Transforming Europe through University Collaboration** European Conference, of which IQS has been a member for a year. The workshops served to strengthen links with other European universities and sowed a seed for future international projects.
- Service-learning experiences carried out within the framework of the different IQS studies (in which 258 students have been involved).

Opportunity	Entity	Studies	Method
3D design and printing	Women and Chess	Bachelor's Degree in Industrial Engineering	Subject
Marketing plan	Openarms	Master's Degree in Marketing in a Digital Environment	Master Thesis
Business Ethics and Corporate Social Responsibility	Openarms / Autism Friendly Club / La Gavina Foundation	Bachelor's Degree in Business Administration and Management	Subject
Laboratory	Be.Artsy	Master's Degree in Analytical Chemistry	Subject
Development of soap formulations from natural products	Be.Artsy	Bachelor's Degree in Pharmacy	Final Degree Project
Data processing	Assisi Reception Centre	Bachelor's Degree in Business Administration and Management	Subject
School Construction	Daniella Child Care and Learning Centre	Bachelor's Degree in Industrial Engineering	Subject
Volunteer consulting	Assisi Reception Centre	Bachelor's Degree in Business Administration and Management	Final Degree Project
Language partners	MIGRASTUDIUM	Bachelor's Degree in Business Administration and Management	Subject



# Sustainability at IQS

5

**As a leading centre of higher education, IQS seeks to amplify its impact in protecting the planet and promoting social development.**

**IQS focuses on four main areas of action: sustainable operations, research, training, and raising awareness among students, staff, faculty, and society in general.**

**As part of the institution's commitment to sustainability, IQS forms part of various initiatives committed to sustainable development.**

As a member of Ramon Llull University (URL), IQS is committed to meeting the Sustainable Development Goals (SDGs). Among the SDGs, IQS has established a focus on Goal 13 "Climate Action" by committing to reducing greenhouse gas (GHG) emissions. In particular, IQS is contributing through the URL Decarbonization Working Group with measures for the progressive reduction of emissions at the university.

IQS's long history of dedication to environmental issues is shown by the existence of the Environmental Process Engineering and Simulation Group (GESPA), made up of a multidisciplinary team that combines chemical engineering, biotechnology, and chemical analysis with a theoretical-experimental approach towards advancing sustainability in our society.

Along the same lines, it is worth highlighting the existence of the Environmental Analysis Laboratory, accredited by ENAC according to UNE EN ISO 17025 and specialized in the analysis of persistent organic pollutants in environmental matrices and in products for human and animal food, and the Sustainability, Economics, and Ethics group, with researchers who collaborate at the intersection of issues related to sustainability, poverty, inequality, education, social exclusion, and the environment.

Finally, the Materials Engineering Group (GEMAT) researches the monitoring and environmental impact of microplastics on the environment and develops new families of biodegradable polymers.

At the end of academic year 2024-25, IQS established the IQS Sustainability Committee. This committee replaces the Sustainability Working Group and has become a permanent governing body at the school, demonstrating IQS's long-term commitment to environmental and social sustainability. The Sustainability Committee establishes the centre's sustainability objectives and develops initiatives to achieve them.

Since July 2024, IQS has led the new CIR UNIJES Reference Research Centre in Environment and Ecology. This centre aims to address one of the Universal Apostolic Preferences (UAP) of the Society of Jesus, Caring for our Common Home, from the perspective of research, technology transfer, education, and social awareness, uniting all the Jesuit university centres in Spain.

## SUSTAINABILITY AND ENVIRONMENTAL IMPACT

With the purpose of fighting climate change and continuing to work towards a more sustainable world, as a member of the URL IQS contributes to the commitment to achieve the following objectives:

- Achieve carbon neutrality by 2045, with compensation for non-reducible greenhouse gas (GHG) emissions (A1, A2, and A3).
- Reduce GHG emissions by 75% by 2030 compared to 2019 emissions (A1 and A2).
- Reduce indirect emissions associated with mobility 33% by 2030 compared to 2019 emissions (A3).

The main actions that IQS has already carried out to promote the reduction of emissions include:

- The installation of 240 solar panels, covering an area of 620 m<sup>2</sup>. The daily energy production from the solar panels is visible through the welcome screens at IQS.
- 90% of the facilities already have LED lighting.

Aspects concerning energy consumption, water consumption, and waste related to IQS are detailed below.

#### / Energy consumption

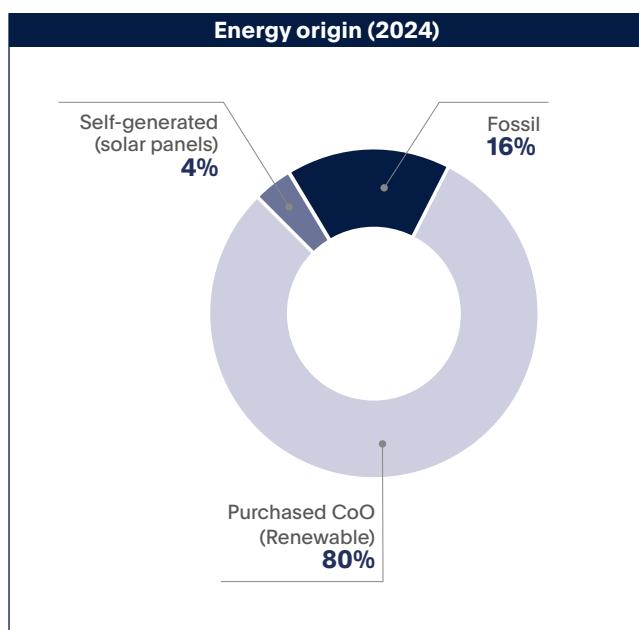
IQS's energy consumption is largely connected to the activity of both teaching and research laboratories, with highly specialized equipment that operates intensively every day of the year, in addition to the teaching activities in the buildings that host the classrooms for students studying at IQS.

In 2024, total energy consumption of the same nature as 2023 has been recorded, totalling:

**2,572,707.00 kWh**, from:

- Fossil fuels (natural gas): **400,015.00 kWh**
- Purchased Denomination of Origin electricity (all verified with the "Renewable Certificate of Origin"): **2,072,262.00 kWh/year**
- Self-generated electricity (solar panels): **100,430.00 kWh**

Adding the origins indicated in points 1 and 2, we can see that 84% of the energy consumed at IQS in 2024 was of renewable origin.



The GHG emissions generated by IQS in 2024 were:

	<b>Tonnes of eCO<sub>2</sub></b>	<b>2023</b>	<b>2024</b>
Scope 1	Total	96.73	72.92*
Scope 2	Total	0	0
Scope 3	Total	NR	2,880.87
	Of which: Goods, services, and capital goods:	674.89 (partial)	2,007.32
	Of which: Mobility	NR	873.54
<b>DIRECT EMISSIONS</b>	<b>TOTAL</b>	<b>96.73</b>	<b>72.92</b>
<b>INDIRECT EMISSIONS</b>	<b>TOTAL</b>	<b>NR</b>	<b>2,880.87</b>

Note:

Scope 1 (A1): Emissions from the combustion of natural gas from the heating circuit and fluorinated gases from air conditioning equipment.

Scope 2 (A2): Emissions associated with the purchase of energy.

Scope 3 (A3): Emissions associated with mobility, the purchase of products or services, etc.

\*Decrease mainly due to the reduction of fugitive emissions from refrigerant equipment.

NR: emissions not reported in the previous year.

#### / Water:

IQS's water consumption is linked to laboratory and research activities, as well as water use in the buildings that host student classrooms.

Total consumption in 2024: **13,792.00 m<sup>3</sup>**

#### / Waste:

IQS has contracted a company (FCC Ámbito) to properly collect and manage laboratory waste as well as paper and cardboard.

A multidisciplinary team from IQS visited FCC Ámbito's facilities this year with the aim of learning about waste management and determining ways to reduce it.

IQS has carried out initiatives to advance its impact, combining sustainable operations with raising awareness for everyone who works and studies at IQS:

1. "Get moving for change" awareness campaign: a campaign through the IQS APP that combines information, gamification, and participation to advance awareness for the entire IQS community while facilitating the collection of data on sustainability. During the 2023-24 campaign, mobility data was collected regarding trips to and from IQS, with the following results:

80% of students regularly use sustainable transport, which translates into average emissions of 233 kg of CO<sub>2</sub> per student per year. At the same time, only 50% of faculty and staff regularly use sustainable transport and their average emissions per person are 387 kg of CO<sub>2</sub>. As a first step, a car-sharing platform called "Rodem" has been established through the IQS APP itself.

## 2. Laboratory certification by *My Green Lab*.

IQS commenced the international My Green Lab certification process for its research laboratories in 2025. Recognized worldwide and endorsed by the United Nations Race to Zero initiative, this accreditation is considered the global benchmark standard for promoting sustainable practices in scientific laboratories both in academia and in the industrial sector. The Organic Synthesis laboratory has reached the "Gold" level, and the Biochemistry laboratory has reached the "Green" level, the highest possible.

## 3. Committed to the Circular Economy. IQS qualified as an *Event Partner* for European Green Week in 2025, dedicated to the *Circular Economy* this year. IQS carried out activities aimed at different audiences: an open virtual master-class and a roundtable with leaders of companies committed to the circular economy in a hybrid format, both with excellent participation. In addition, IQS organized a competition aimed at young people to generate ideas in the circular economy. At the same time, the "Circular Economy" Master's Degree has been launched, which combines technological and economic aspects to train students as professionals in sustainability and the circular economy.

### SUSTAINABILITY, EQUALITY, AND SOCIAL IMPACT

Within the social aspects of sustainability, IQS, as a university, actively contributes to training professionals who provide a diversity of experiences, backgrounds, skills and characteristics, a fact that is essential for Sustainable Development.

In particular, IQS prepares professionals in areas that historically have a gender gap, such as health sciences with historical proportions mostly of women, or "Science, Technology, Engineering, and Mathematics" (STEM) subjects and Business Management areas, with proportions historically dominated by men.

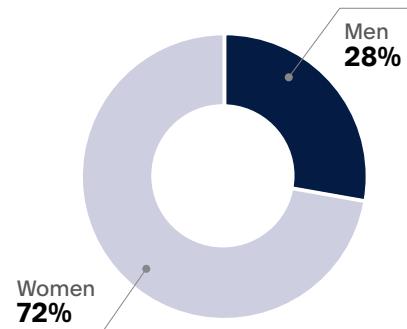
During academic year 2024-25, IQS enrolled a total of 1,244 undergraduate students in the School of Engineering (39% women in Technical Studies and 72% in Health Sciences) and 962 undergraduate students in the School of Management (with 33% women).

The following actions have been carried out:

1. Participation in the "Inspiring Girls" campaign by inviting high school girls to interact with professional women at IQS, hear about their career paths, and share questions and experiences.
2. "Dream it, STEM it" contest for girls with an interest in STEM fields who are in Secondary School Baccalaureate studies, in which the participants presented their ideas to solve current problems through science and technology. The high participation in the contest and the level of innovation are noteworthy.
3. Preparation for the launch of the STEM4her programme, aimed at IQS students and female alumni in STEM fields, with a mentoring programme and other activities to strengthen the presence of women in STEM careers.

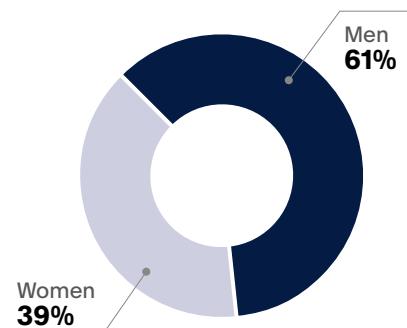
### Total Health Undergraduate Students

#### School of Engineering



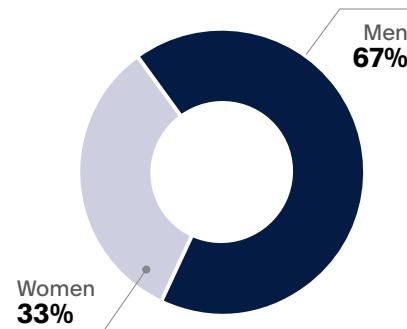
### Total Technical Undergraduate Students

#### School of Engineering



### Total Undergraduate Students

#### School of Management



# Student & Alumni Life



**During academic year 2024-25, Student Life implemented activities related to the student experience, incorporating an alumni perspective with the aim of strengthening the IQS community.**

The Student & Alumni Life (S&AL) projects and activities are structured across different dimensions:

## STUDENT EXPERIENCE

### / Welcome

The welcome activities organized in academic year 2024-25 were aimed at undergraduate and graduate students. The content of the activities was customized according to the various student profiles.

For undergraduate students, a welcome session was held on 10 September aimed exclusively at international undergraduate students with the aim of introducing them to the resources available to them (Mentorship Programme) and facilitating their integration into IQS and Barcelona. On 12 and 13 September, the international students joined the entire incoming class of undergraduate students who began their studies at IQS, integrating within the class group. The welcome activities lasted two days: the first day, which included an institutional presentation, a dialogue with students, group-class knowledge dynamics, an academic presentation of the bachelor's degrees and the presentation of materials; and the second day, in this case focused on the implementation of the IQS module (identity and mission and campus life) and the tools module (moodle, virtual campus, and more). For bachelor's degrees with a high number of international students (English teaching groups in Business Administration and Management and International Business), we implemented three 90-minute sessions throughout the first semester to promote intercultural learning, with the aim of strengthening bonds in multicultural groups. The purpose of these sessions was to ensure that on 16 September, the start date of classes,

students would have already acquired the knowledge and skills to handle university life autonomously.

For master's degree students, the welcome sessions were scheduled over two days (13 September and 1 October) according to the start dates and timetables (morning or afternoon) of these programmes. For both activities, we implemented an institutional presentation, an introduction to campus services, and a programme of off-campus team building activities to strengthen group and class dynamics.

### / Accompaniment

Student accompaniment, intrinsic to IQS's calling for service, has been organized through different campus services. S&AL focuses on the implementation of the Mentorship Programme through tutoring international students in their first year at IQS in coordination with academic tutors from the School of Management and the School of Engineering. According to the needs of the students, we support them in various topics such as accommodation, handling legal documentation, or access to psychological care. This type of accompaniment is customized according to the needs of each student.

### / Community

The strategy we embrace to create community at IQS is to promote participation in student associations and committees and implementing specific activities. In addition to the traditional IQS sports teams and the intramural seven-a-side football league, in academic year 2024-25 we continued the semi-annual online chess tournaments, and we introduced a padel tennis tournament for each semester as a new feature this year. For the IQS teams that participated in the UNIYES Sports tournament, we provided them with competition uniforms featuring the same style, and for the teams in the intramural seven-a-side football league, we provided coloured shirts customized with the IQS logo to differentiate the teams. All this has allowed us to move forward in the direction of strengthening our

corporate image, which is also important for creating a feeling of belonging. A notable goal of academic year 2024-25 was strengthening the Debate Club, with the outstanding success of earning first place at the 18th San Francisco Javier Academic Debate League organized by the Universidad Pontificia Comillas in February 2025, in which the universities that form part of UNIJES participated.

## ALUMNI EXPERIENCE

### / Celebration

Within this context of celebration, S&AL has implemented the graduation events for master's degree and bachelor's degree students, held on 26 June and 10 July respectively. The master's degree graduation was held at the Jesuit School Sarrià - Sant Ignasi and at IQS, while the bachelor's degree ceremony was held at the Parish of Our Lady of the Rosary and at L'Auditori.

As to master's degree students, a total of 127 students (seven of them in dual master's degrees) from 11 academic programmes graduated, accompanied by 419 guests. As a new feature, we are proud to highlight that the first class of students graduated from the master's degree in Neuromarketing.

The bachelor's degree graduation ceremony was attended by 312 students from 12 academic programmes who were accompanied by 1,473 guests. Another new feature this

year was that the first class of the Bachelor's Degree in International Business graduated, with students in the Triple Bachelor's Degree. Throughout the academic year, meetings were held with bachelor's and master's degree representatives to inform them of the registration deadlines, explain news such as the sponsors of the graduating classes, or work on speeches by the representatives for the ceremonies.

### / Bonds

The tool for establishing bonds with students is the IQS APP. This has enabled us to personalize communications according to the profiles (audiences) to which the activities are directed. Activities such as graduation ceremonies, with more than 90% attendance (91% in master's degrees, 95% in bachelor's degrees) for eligible students have been managed through the IQS APP as a tool for recording and compiling data. The IQS APP is an agile tool for both participants in the activities and for the individuals who need to manage registrations if required.

With the aim of extending the bonds beyond the student years, we have worked with AIQS on how to get the APP to the Alumni community. To implement it, we have participated in work sessions and focus groups to determine how the APP can communicate activities and help students maintain ties once they have graduated. The results of these efforts will be reflected next year.





# International Projection

***IQS fully participates in making science, technology, and management more international and believes that strong international connections increase the quality of the studies, research, and perspectives of students and faculty at the school.***

## IQS INTERNATIONAL ACTIVITY

The international activity at IQS is one of the most relevant strategic lines within the school's commitment to comprehensive education, excellent research, and global projection. The international dimension is present in all areas of the institution —teaching, research, and knowledge transfer— and contributes decisively to preparing students for a highly globalized, diverse, and competitive professional environment.

## CREATION OF AN INTERNATIONAL BOARD AND THE OFFICE OF INTERNATIONAL RELATIONS

In September 2024, the International Board was created, consisting of the associate director of IQS, the two international vice-deans of IQS, the director of the International Relations Office, and the head of international recruitment at IQS.

This body has defined the strategic framework for internationalization at IQS. Its main goals have included: identifying internal processes, drafting a process map for the International Relations Office, and designing an initial international strategic plan. This strategic plan establishes the four priority lines aimed at increasing the number of international students; guaranteeing the quality and sustainability of agreements; promoting dual and triple degrees; and promoting a more "International Friendly" institution.

Falling directly under IQS administration, the IQS International Relations Office (ORI) was established in September 2024 and is organized into three areas of activity: outgoing mobility plus partnerships, incoming plus traineeships, and free mobility plus customized programmes.

## ACTIONS CARRIED OUT BY THE INTERNATIONAL RELATIONS OFFICE

With the aim of consolidating the governance of the international area, establishing a clear strategy, and projecting IQS as an increasingly recognized institution at a global level, during academic year 2024-25 the International Relations Office has carried out the following actions:

- Signing and renewal of various international agreements in addition to institutional visits to universities and benchmark events (University of Comillas, University of Deusto, Loyola University, NAFSA, IAJBS, IESEG, Fairfield, University of Tampa, and more), reinforcing the presence of IQS in international networks.
- Implementation of the ISE (International Study Experience) programme at both the School of Management and the School of Engineering, which includes an academic offer adapted to international students, especially with Fairfield University. In addition, new proposals have been made for dual degrees in IQS graduate studies.
- Increased conversations with different universities to enhance the number of Free Movers at IQS.
- Enhancement of incoming traineeships with the aim of increasing exchange actions not only in teaching, but also in research.
- Development of internal processes to facilitate the mobility of incoming and outgoing students.

- Enhancing stays abroad for IQS teaching and research staff, either through ERASMUS mobility or through the IQS Lluís Comelles Mobility Grant, which promotes long-term international mobility. In academic year 2024-25, three IQS professors benefited from this mobility grant.

## ACADEMIC EXCHANGES

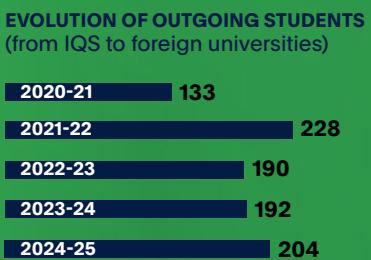
IQS student and researcher exchanges with foreign universities are an ideal way of complementing academic studies with an experience that enriches participants both academically and personally. The exchanges take place at prestigious foreign universities with which IQS has exchange agreements.

During academic year 2024-25 in concrete, IQS had exchange agreements with 172 universities: 85 in Europe, 35 in North America, 16 in South America, 2 in Central America, 30 in Asia, and 4 in Africa.

Throughout the entire exchange application process, the IQS Student Life Office supports and guides students and researchers who wish to pursue part of their studies or research projects abroad.



<b>ARGENTINA</b>	<ul style="list-style-type: none"> <li>• Universidad Argentina de la Empresa</li> <li>• Universidad Católica de Córdoba</li> </ul>
<b>BOLIVIA</b>	<ul style="list-style-type: none"> <li>• Universidad Católica Boliviana "San Pablo"</li> <li>• Universidad Privada de Santa Cruz de la Sierra</li> <li>• Universidad Privada Boliviana</li> </ul>
<b>BRAZIL</b>	<ul style="list-style-type: none"> <li>• INSPER</li> <li>• Pontifícia Universidade Católica do Paraná</li> <li>• Unisinos</li> </ul>
<b>CANADA</b>	<ul style="list-style-type: none"> <li>• ESG UQÀM</li> <li>• University of Guelph-Humber</li> <li>• Toronto Metropolitan University</li> </ul>
<b>COLOMBIA</b>	<ul style="list-style-type: none"> <li>• Pontificia Universidad Javeriana, Cali</li> <li>• Universidad del Rosario</li> <li>• Universidad de La Sabana</li> <li>• Universidad Autónoma de Bucaramanga</li> </ul>
<b>MEXICO</b>	<ul style="list-style-type: none"> <li>• Instituto Tecnológico y de Estudios Superiores de Monterrey</li> <li>• Instituto Tecnológico y de Estudios Superiores de Occidente</li> <li>• Universidad Anáhuac Querétaro</li> <li>• Universidad Iberoamericana Ciudad de México</li> <li>• Universidad Iberoamericana Torreón</li> <li>• Universidad Iberoamericana León</li> <li>• Universidad Iberoamericana Puebla</li> <li>• Universidad de Monterrey</li> </ul>
<b>NICARAGUA</b>	<ul style="list-style-type: none"> <li>• Universidad Centroamericana</li> </ul>
<b>PANAMA</b>	<ul style="list-style-type: none"> <li>• ADEN University</li> </ul>
<b>PERU</b>	<ul style="list-style-type: none"> <li>• Universidad Antonio Ruiz de Montoya</li> <li>• Universidad de Lima</li> </ul>
<b>UNITED STATES</b>	<ul style="list-style-type: none"> <li>• Canisius College</li> <li>• Elon University</li> <li>• Fairfield University</li> <li>• Farmingdale State College</li> <li>• Florida Atlantic University</li> <li>• Florida International University</li> <li>• Gonzaga University</li> <li>• Johnson &amp; Wales University</li> <li>• Le Moyne College</li> <li>• Loyola Marymount University</li> <li>• Loyola University Chicago</li> <li>• Marquette University</li> <li>• Massachusetts Institute of Technology (MIT)</li> <li>• Northeastern University</li> <li>• Nova Southeastern University</li> <li>• Ohio University</li> <li>• Pennsylvania State University</li> <li>• Saint Joseph's University</li> <li>• University of Central Florida</li> <li>• University of San Diego</li> <li>• University of San Francisco</li> <li>• University of Tampa</li> <li>• Valdosta State University</li> <li>• Xavier University</li> </ul>
<b>URUGUAY</b>	<ul style="list-style-type: none"> <li>• Universidad Católica del Uruguay</li> <li>• Universidad ORT Uruguay</li> </ul>





**AUSTRIA**

- MCI Management Center Innsbruck
- Modul University Vienna

**BELGIUM**

- Ghent University
- ICHEC Brussels Management School
- KU Leuven
- Thomas More University of Applied Sciences
- Université de Namur

**BULGARIA**

- University of Ruse – Angel Kanchev

**CHINA**

- Lingnan University, Hong Kong
- International Business School Suzhou XJTLU
- The Hong Kong Polytechnic University

**DENMARK**

- Aarhus University
- University of Southern Denmark

**FINLAND**

- JAMK University of Applied Sciences
- LAB University of Applied Sciences
- Oulu Business School
- University of Eastern Finland

**FRANCE**

- CPE Lyon
- Ecole nationale supérieure de Chimie de Montpellier
- ESCOM
- ESSEC Business School
- Excelia Group – La Rochelle
- Grenoble École de Management
- Groupe ESSCA
- Groupe ESC Clermont

**GERMANY**

- Hochschule Fresenius
- Hochschule Offenburg
- International School of Management
- Technische Universität München
- Technische Hochschule Ingolstadt
- Münster School of Business and Economics
- OTH Regensburg
- Pforzheim University
- University of Münster

**GREECE**

- Aristotle University of Thessaloniki

**HUNGARY**

- Kodolányi János University of Applied Sciences

**INDIA**

- Indian Institute of Management – Bodh Gaya
- ISBR Business School
- Jindal Global Business School
- Xavier Institute of Management Bhubaneswar

**IRELAND**

- Technological University Dublin
- University of Limerick

**ITALY**

- Ca' Foscari University of Venice
- Politecnico di Milano
- Università Cattolica del Sacro Cuore
- Università degli Studi di Padova
- Università degli Studi di Parma
- Università degli Studi di Sassari
- Università della Calabria
- Università di Bologna
- Università degli Studi di Napoli Federico II
- Università degli Studi di Perugia
- Università degli Studi di Milano
- Università degli Studi di Torino

**JAPAN**

- Japan University of Economics
- Nagoya University of Commerce and Business

**KAZAKHSTAN**

- Almaty Management University

**LEBANON**

- Université Saint Joseph de Beyrouth – Faculty of Business Administration and Management

**MALAYSIA**

- Taylor's University

**NETHERLANDS**

- Breda University of Applied Sciences
- ZUYD University of Applied Sciences – (Hotel Management School of Maastricht)
- University of Groningen

**MOROCCO**

- ISCAE
- École Nationale de Commerce et de Gestion (ENCG)
- HEM Business School
- Rabat Business School – UIR

**NORWAY**

- Norwegian University of Science & Technology
- University of Stavanger

**PHILIPPINES**

- Ateneo de Manila University

**PORTUGAL**

- Universidade Lusofona
- ISCTE – Instituto Universitário de Lisboa

**RUSSIA**

- Plekhanov Russian University of Economics

**SOUTH KOREA**

- Chung-Ang University
- Sogang University
- SolBridge International School of Business

**SWEDEN**

- Chalmers University of Technology
- Jönköping International Business School
- Umeå School of Business, Economics and Statistics (USBE)

**SWITZERLAND**

- ZHAW School of Management and Law
- Lucerne University of Applied Sciences and Arts

**TAIWAN**

- Fu Jen Catholic University

**THAILAND**

- Rajamangala, University of Technology Krungthep.

**TURKEY**

- Sabancı University – School of Management
- Istanbul University – School of Business

**UNITED ARAB EMIRATES**

- Ajman Universit

**UNITED KINGDOM**

- Cardiff University
- Imperial College London
- Leeds Beckett University
- Newcastle Business School (Northumbria University)
- Oxford Brookes University – School of Hospitality Management
- University of Portsmouth – Business School
- Sheffield Hallam University
- The University of West London
- University College Birmingham
- University of Strathclyde
- University of Manchester
- University of Worcester



# 8

## Technology Transfer

**IQS provides solutions for business needs by building on the basis of scientific and technological knowledge, using the most advanced techniques, and offering the highest quality in the services it provides.**

### TECHNOLOGY AND KNOWLEDGE TRANSFER ACTIVITY INDICATORS

Main areas of activity: medical, pharmaceutical, and cosmetics sectors, environmental protection, food sector, chemical industry, quality control, materials, biotechnology sector, energy, packaging, and industrial processes.

#### Technical services

Number of services: 1,273  
Revenue: €1,328,757  
Number of clients: 135

#### Research contracts

Number of contracts: 58  
Revenue: €823,724  
Number of clients: 51

#### Ongoing competitive projects

Number of projects: 138  
Revenue: €3,182,821

#### Patents

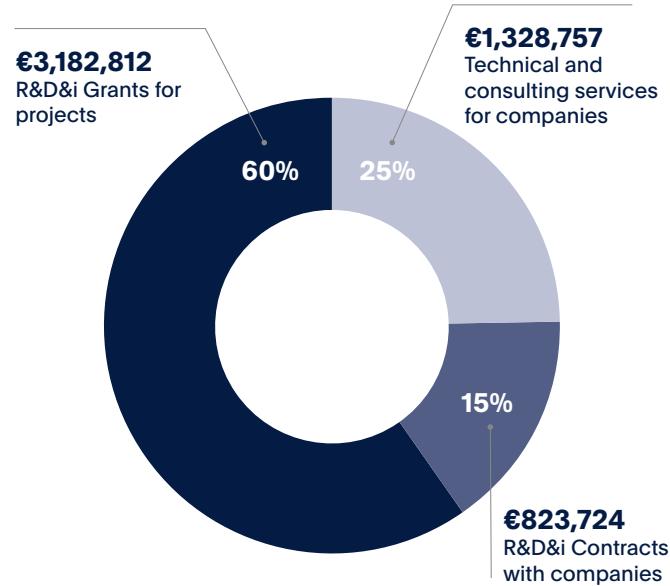
Number of patents applied for: 8

IQS Tech Transfer provides technical services, R&D&i projects, and consulting to industries, companies, and governmental entities. The collaborations with these parties are based on contributing our knowledge to solve specific, real-world problems which arise during innovation in procedures and technologies.

### CERTIFICATES AND ACCREDITATIONS

- AENOR certification according to the UNE-EN ISO 9001:2015 standard for R&D&i Services and analytical studies (ER-0992/2000).
- ENAC accreditation according to the UNE-EN ISO/IEC 17025 standard for conducting Tests in the Environmental Sector (196/LE344).
- ENAC accreditation according to the UNE-EN ISO/IEC 17025 standard for conducting Chemical Tests for Traces of Persistent Organic Pollutants (dioxins and similar) in agri-food products (196/LE958).
- Accreditation for the analysis of dioxins and furones in atmospheric emissions by the Accreditation Office of the Department of Territory and Sustainability of the Government of Catalonia.
- Certification by the Spanish Agency for Medicines and Medical Devices as a pharmaceutical laboratory to conduct quality control activities according to GMP (Certificate No. ES/120HVI/17).
- The research groups at IQS boast recognition from AGAUR as consolidated or emerging groups.
- Certificate of compliance with the Standards on the Correct Manufacturing of Medicines of the Government of Catalonia. Department of Health (NCF/2343/001/CAT).
- IQS Tech Transfer Salud, IQS Tech Transfer Medio Ambiente, IQS Tech Transfer Chem&Bio, and IQS Tech Transfer Tech4Society are TECNIO groups. This seal is the recognition awarded by the Government of Catalonia, through ACCIÓ, with the aim of giving visibility to technology developers within the R&D&i system in Catalonia. These groups have distinguishing technological capabilities and transfer potential to strengthen the business network in Catalonia and make the Catalan innovation ecosystem more attractive internationally.

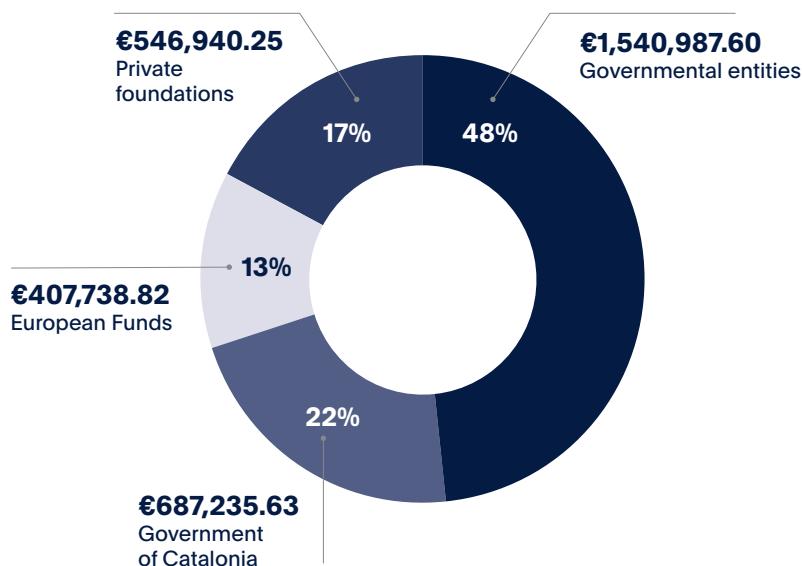
## RESEARCH AND TRANSFER REVENUE



## ENTITIES THAT SPONSOR COMPETITIVE RESEARCH PROJECTS



## RESEARCH FINANCING WITH COMPETITIVE FUNDS



## CERTIFYING ENTITIES



## NETWORK OF RESEARCH GROUPS





# IQS Tech Factory



***IQS Tech Factory, the centre of entrepreneurial activity at IQS, aims to promote an entrepreneurial spirit and support the development of new business projects, especially those that arise within the IQS community, including students, Alumni, faculty, and staff.***

***During academic year 2024-2025, IQS Tech Factory consolidated its activity focused on contributing to the IQS community, its values, and tools so that the legacy of more than 110 years of IQS entrepreneurial culture can continue to strengthen this spirit.***

## ***IQS TECH FACTORY, with an eye on the IQS community***

IQS TECH FACTORY is the IQS division that unites innovation and entrepreneurship with the aim of fostering entrepreneurial interests and providing the tools necessary to carry them out. Potential users of IQS TECH FACTORY include more than 20,000 individuals who form part of the IQS community—students, Alumni, faculty, and staff—and their affiliates, converting their interests into transformative and competitive business projects. The activity at IQS TECH FACTORY is based on five interrelated strategic pillars: **inspiration** through events, conferences, and training capsules; **training** through the Entrepreneurship Cluster and classroom activities with an entrepreneurial approach; the **incubation** of business ideas with the IQS TECH FACTORY Startup Challenge programme; **acceleration** through strategic agreements with partners in the ecosystem; and specialized **mentoring** with IQS's own methodology to support initiatives as they take their first steps.

During academic year 2024-2025, IQS TECH FACTORY handled 32 entrepreneurial initiatives, reaching a total of 214 since its inception in 2015.

## IQS Innovation Day 2025 – Innovation transforming society

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IQS Innovation Day 2025, promoted by IQS-URL, took place on 1 April 2025. The event brought together representatives from the business world, researchers, students, and startups to share projects applied to environmental sustainability, health, and material efficiency, highlighting how the innovation that arises from university research and technological entrepreneurship contributes to improving society.

### / Success stories and partnerships

During the event, examples of collaboration between IQS research groups and companies in the ecosystem were presented:

- **AGBAR:** joint development of sustainable solutions to refurbish urban pipelines.
- **Molins:** organization of the first **IQS Tech Factory Hackathon**, in which students generated innovative proposals in the field of construction and waste management.
- **GLOO:** startup launched at IQS from the **Dr Sails** adhesive, currently in collaboration with **Fluidra** for industrial applications.

### / Research and knowledge transfer

The event also included the presentation of doctoral theses in medical research, sustainability, and material efficiency, as well as a roundtable session on the relationship between startups and large companies in the management of innovative projects.

### / Noteworthy startups in health and environmental sustainability

IQS Tech Factory promotes technology transfer and business creation in the fields of **health** and **sustainability**, with examples such as:

- **NextReef Ecosystems:** biomaterials for the regeneration of marine ecosystems.
- **Craex Barcelona:** use of the blue crab as a culinary and circular economy resource.
- **Voima:** application of virtual reality to improve adherence to physiotherapy treatments.
- **Aurax:** MouthX oral **interface** that makes it possible to handle devices with the tongue, aimed at people with reduced mobility.
- **ATOM H2:** hydrogen storage system for use as sustainable energy, with support from the IQS GESPA group.

## 4YFN 2025, IQS TECH FACTORY reaffirms its commitment to innovation

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From 3 to 6 March, IQS participated in the eleventh edition of 4YFN, the international benchmark event in the entrepreneurial ecosystem, led by IQS Tech Factory and the IQS e-Club, along with eleven proposals arising from the school.

The participation of IQS TECH FACTORY in 4YFN made it possible to offer a space for initiatives from the IQS community and reinforces the school's role as a reference within the ecosystem with a leading international event in the entrepreneurship ecosystem, within the framework of the MWC. The scale of 4YFN can be seen by the fact that, in this eleventh edition of the event, more than 900 institutions participated with their own stand, representing 170 countries from around the world.

By participating in 4YFN, IQS TECH FACTORY has strengthened ties with its own entrepreneurial initiatives and has generated new connections with business initiatives that, in seeking to increase their competitive capabilities, find a pillar in IQS for new developments or solutions to day-to-day issues.

### eClub: Associations, key to building community

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During academic year 2024-2025, the creation of the eClub (Entrepreneurship Club) led by students from the IQS School of Engineering and the IQS School of Management was reactivated.

The reactivation of this group is linked to its role as a seed and promoter, between 2013 and 2015, of the current IQS TECH FACTORY.

The eClub, currently made up of almost fifty members, has been created as a committee that is integrated into the Campus Life campus revitalisation programme under the Student Life branch. The eClub brings together active students with entrepreneurial interests who, in close collaboration with IQS TECH FACTORY, gain different degrees of knowledge in the field of entrepreneurship.



# Commitment to Research

**The research objectives at the IQS School of Engineering and the IQS School of Management focus on the industrial application of the results obtained, technology transfer to the business sector, and consulting, carrying out studies, and providing services to the public and the private sector in addition to education in techniques applied to product development, improving production processes, and specialization in the various fields that can be found in the business world.**

**■ IQS is a founding academic partner of the MIT international program and the MIT-Spain Program, which facilitates the exchange of students and teaching and research staff between IQS and MIT**

## RESEARCH GROUPS

- **Materials Engineering Group (GEMAT).** Its activities include specialized training, basic and applied research, and technology transfer aimed at the business sector and it focuses on three major areas: the development of new functional materials, surface engineering, and biomaterials. It also provides technological, consulting, and R&D services in the areas of: materials characterization and formulation; studies on the qualitative chemical composition of paints and on the coating of ceramic particles; quantitative component analysis for polymeric materials and X-ray diffraction analysis; and the development of functional polymers, industrial formulations, inks with conductive and semiconductive properties, biodegradable polymers, biomaterials for scaffolds, and drug delivery systems.
- **Applied Photobiological Chemistry (APPLIGHTCHEM).** This research group specializes in chemical aspects of the biomedical applications of light and focuses its research and transfer activity on solar photoprotection, cancer photochemotherapy, photoantimicrobial therapies, and fluorescence imaging diagnosis. It develops advanced chemical technologies for photoprotection and disease diagnosis and treatment with light-activated drugs.
- **Consumer Behavior Perspectives Group (CONHATIVE).** Its research focuses on the analysis of consumer behaviour in consumer contexts such as services, e-commerce, the adoption of new technologies, sports, cultural heritage, tourism, retailing, and business organization and taxation. Its main lines of research include the study of consumer behaviour in brick-and-mortar and digital environments, tourism services marketing, purchasing behaviour through ICTs, and the effects of participation in social networks.

- **Corporate Governance (CORPGOV).** Its research is fundamentally applied in nature and aims to be useful both to business leaders in decision making and to regulators and public officials in the design of policies and regulations, providing relevant information that can contribute to improving corporate governance structures. Its main research lines focus on audit quality, accounting management, good governance codes, and business performance.
- **Chemical Reactions for Innovative Solutions (CRISOL).** The group employs innovative chemical tools that provide solutions to the challenges of molecular science, a discipline that is at the heart of key activities for society such as medical and process chemistry and materials science. Its work combines the design of new reagents with breakthrough paradigms in the formation of chemical bonds that arise from the use of catalysis, light, or electricity. It carries out its activities in the fields of nuclear medicine, next generation organic materials, modern chemical methodology applied in various sectors, and effective chemical processes aligned with the Sustainable Development Goals (SDGs).
- **Nano Therapies Lab (NanoTher).** The group focuses its research on nanomedicine engineering to modulate the interaction with physiological barriers. Its main research lines include the development of polymer nanoparticles, the use of extracellular vesicles as transport systems, overcoming biological barriers, vaccines and mRNA-based therapies, combined immunotherapies against cancer, and other nano and microencapsulation applications.
- **Electrochemistry and Bioanalysis Group (EQBA).** The group's activity is structured around the different analytical, spectrometric, chromatographic, electrochemical, and optical techniques both in their application and in their development. Its most noteworthy lines of research include the development of different types of sensors, the study of nanostructured materials and their environmental applications, and the study of contaminants and impurities in environmental, pharmaceutical, and food matrices.
- **Industrial Products Engineering Group (GEPI).** Its activities focus on the calculation, design, and manufacture of industrial products, the management and evaluation of industrial product lifecycles, and additive manufacturing. It also provides technological, consulting, and R&D services in the areas of: reverse engineering (digitalization of objects with a scanner); modelling, rapid prototyping, and rapid tooling; virtual and physical layouts; mechanical characterization of materials; structural numerical simulations; PLM and LCA engineering; fluid calculation and simulation in biological organs; and design for additive manufacturing.
- **Environmental Processes Engineering and Simulation Group (GESPA).** Its research focuses on themes of environmental sustainability from a cross-disciplinary perspective. Its lines of research focus on the areas of water treatment and reuse, mitigating the impact of greenhouse gases, the circular economy and energy sustainability, sustainability analysis and process improvement, the analysis of emerging and persistent pollutants, and environmental microbiology.
- **Vascular Engineering and Applied Biomedicine Group (GEVAB).** This group focuses its efforts on integrating knowledge from medicine, biology, chemistry, physics, mathematics, and computing to provide comprehensive solutions to current medical problems in the field of cell biology, applied especially to the vascular environment, and to offer solutions that the medical biotechnology industry (pharmaceutical and medical devices) can introduce into clinical practice. The group studies and fights against vascular diseases such as atherosclerosis and aneurysms, as well as the interaction between the vessels and the organs that feed them, as in the case of the blood-brain barrier.
- **Biological Chemistry and Biotechnology Group (GQBB).** The GQBB engages in international research projects from a molecular approach for applications in the fields of industrial biotechnology and biomedicine. Its main lines of research focus on the use of enzymes in the synthesis of bioactive products and pharmaceutical intermediates, the characterization of enzymatic activities, the analysis of proteins and the determination of enzymatic activities, bioprocesses and biocatalysis, the development of biotechnological processes and products, biotechnological applications in wastewater treatment, simulations of biotechnological processes, the evaluation of food formulations, the organic synthesis of drugs and bioactive products, and the identification and isolation of active ingredients from natural sources.
- **Pharmaceutical Chemistry Group (GQF).** Its research focuses on new drugs with pharmaceutical and cosmetic formulations, applied biology and API production within the areas of biomedicine and health sciences, and continuous chemical processes by applying new advanced manufacturing technologies in fine chemistry to transform and optimize production systems from batch to continuous, turning them into more efficient, more stable, safer, faster, and cleaner processes. In the field of new drugs, it works on tyrosine kinase inhibitors with applications for cancer, compounds that are active against chemokine-type receptors, and compounds with activity against myotonic dystrophy.

- *IQS Applied Data Analytics and Modeling (ADAMIQS)* focuses on the application of data analysis and modeling techniques in the various areas of knowledge at IQS (biosciences, chemistry, engineering, and social sciences) and the instruction of these techniques in higher education. Its lines of research focus on the analysis of unstructured data and semantic modeling applied to engineering and business administration, multivariate modeling in biosciences with synthetic and experimental data, the analysis and modeling of social systems, higher education analytics, active learning methodologies in STEM higher education, and experiment design and optimization methods.
- *Applied Mechanics and Advanced Manufacturing (GAM)*. It focuses on the research and resolution of problems related to advanced manufacturing, the development, characterization, and efficient use of engineering grade materials, and the optimization of structural behaviour. Its lines of research focus on additive manufacturing (polymers, metals, optimization, and post-processing), materials science and engineering (composite materials, fracture, fatigue, impact, nanoindentation, tribology, coatings, and diffraction), and the dynamic analysis of structures using approaches based on artificial intelligence.
- *Sustainability, Economics and Ethics (SEE)*. Its lines of research focus on the field of aporophobia and it conducts research on its characteristics, links it with artificial intelligence, develops implicit association tests, and carries out simulation models. In the field of China's economic development model and in the field of economic growth and dynamic convergence, it develops indicators regarding the quality and quantity of education and the convergence of the Human Development Index in different countries, as well as in the field of ecological economics and sustainability.
- *Tourism, Sustainability and Innovation (TSI)*. This group aims its research towards the area of sustainable and responsible tourism, focusing on responsible destination management, tourism ethics and governance, the impact of tourism on destinations, responsible tourist behaviour, and current trends in responsible tourism and volunteer tourism. In the area of hospitality management, the group places special emphasis on Corporate Social Responsibility (CSR) for tourism companies, good practices in the hospitality industry, inclusive tourism, professional training, and disruptive technologies in tourism.
- *Chemistry and Synthetic Biology for Biotherapies (CHEMSYN-BIO)*. This group combines chemistry and synthetic biology to create precision biotherapies and protein-based biomedical tools. Its main objectives are to treat tumours and other brain diseases, as well as

to understand and improve drug transport across the blood-brain barrier. Its areas of research and technology transfer include the development of bio- and nanotherapies, mainly to treat brain tumours, the study and engineering of transport systems across the blood-brain barrier, the engineering and chemistry of antibodies, proteins, and peptides for biomedical applications, and the development of conditionally active proteins.

- *Brain Metabolism Lab (BRAINMET)*. This group researches critical aspects of brain metabolism, its influence on neural functions, and its repercussions for neurodegenerative diseases. Its research areas focus on neurological functions and brain metabolism, brain metabolism and epilepsy, neurodegenerative diseases, and nanotherapeutics for brain metabolic diseases.

## THESES DEFENDED

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- *Targeted analysis for metabolomic studies in aquatic organisms*.  
Author: Marina Bellot Pulido.  
Thesis supervisor: Dr Cristian Gómez Canela.
- *Thermodynamic, Fluid Dynamic and Plasma Study of Gas Mixtures in a Non-Thermal Plasma Conversion Reactor*.  
Author: Cristina Mas Peiró.  
Thesis supervisors: Dr Oriol Pou Ibar and Dr Felix Llorell Ferret.
- *Design and Functionalization of Poly (β-Amino Ester) Polymers with Oligosaccharides for Selective Targeting of Dendritic Cells: A Novel Approach*.  
Author: Nil González Ríos.  
Thesis Supervisors: Dr Magda Faijés Simona and Dr Cristina Fornaguera Puigvert.
- *Phototheranostic agents for breast cancer treatment*.  
Author: Mireia Jordà Redondo.  
Thesis supervisors: Dr Santi Nonell Marrugat and Dr Juan Francisco Julián Ibáñez.
- *Creation of Chitosan Tri-Layered Membranes for Evaluating the Anti-Aging Properties of Active Ingredients and Products: An Alternative to Animal Testing*.  
Author: Rocío Guerle Caverio.  
Thesis Supervisor: Dr Albert Balfagón Costa.
- *Distributed Security Management as a tool to create a safe culture among university students and future professionals*.  
Author: Nelly Azucena Amaya de López.  
Thesis supervisors: Dr Julià Sempere Cebrián and Dr Susana del Cerro Ramon.

- *Development of advanced techniques to elucidate the intracellular trafficking of p $\beta$ AE nanoparticles.*  
Author: María Navalón y López.  
Thesis supervisors: Dr Salvador Borrós Gómez, Dr Cristina Fornaguera Puigvert, and Dr Sílvia Pujals Riatós.
- *Exploring the potential of EVs as biological mRNA delivery systems.*  
Author: Mònica Guarro Ferrer.  
Thesis supervisors: Dr Cristina Fornaguera Puigvert and Dr Martí Lecina Veciana.
- *Synthesis and Applications of Borylated Fragments as Chemical Tools for PET Imaging and Functional Recognition of Drug Delivery Systems.*  
Author: Raúl Cosials Menárguez.  
Thesis supervisors: Dr Ana Belén Cuenca González and Dr Salvador Borrós Gómez.
- *Development of bicyclic peptides for the transport of bio- and nano-therapeutics across brain endothelium.*  
Author: María Celia Lucana Meneses.  
Thesis supervisor: Dr Benjamí Oller Salvia.
- *Engineering Artificial Protein Coronas on Mesoporous Silica Nanoparticles: A Targeted Approach for Pancreatic Cancer Therapy.*  
Author: Iris Pontón Barroso.  
Thesis supervisor: Dr David Sánchez García.
- *BINDSCAN: a computational protocol for the engineering of glycoside hydrolases.*  
Author: Aitor Vega Sánchez.  
Thesis supervisor: Dr Xavier Biarnés Fontal.
- *Evaluation of the evolution of the fatty acid content in African Palm Oil used in discontinuous frying processes.*  
Author: Aracely Gudalope Artiga de Márquez.  
Thesis supervisors: Dr Jordi Díaz Ferrero and Dr Xavier Ortiz Almirall.
- *Synergistic RNA-based Targeted Nanotherapies: a Novel Approach for Treating Ascending Aortic Aneurysms in Marfan Syndrome.*  
Author: Yvette Rabadà Soler.  
Thesis supervisors: Dr Cristina Fornaguera Puigvert and Dr Jordi Martorell López.
- *Development of hybrid adeno-associated viral vectors for enhanced gene delivery in Duchenne muscular dystrophy.*  
Author: María Stampa López-Pinto.  
Thesis supervisors: Dr Salvador Borrós Gómez and Dr Marta Guerra Rebollo.
- *Advanced Electrochemical Sensors for Dual Hydrogen and Deuterium Detection.*  
Author: Enric Lujan Pallarès.  
Thesis supervisors: Dr Jordi Abellà Iglesias and Dr Sergi Colominas Fuster.
- *BaCe0.6Zr0.3Y0.1O3- $\delta$  Ceramic Elements for Electrochemical H<sub>2</sub> Sensors: Shaping Methods, Characterization and Prototypes Evaluation.*  
Author: Antonio Hinojo Ramírez.  
Thesis supervisors: Dr Sergi Colominas Fuster and Dr Jordi Abellà Iglesias.
- *Sustainability in Higher Education. Proposal for Industrial Engineering Studies.*  
Author: Núria Llaverias Baqués.  
Thesis supervisors: Dr Jordi Díaz Ferrero and Dr Guillermo Reyes Pozo.
- *Design and Synthesis of Dual Tyrosine Kinase Inhibitors Against Pancreatic Cancer.*  
Author: Endika Torres Urtizberea.  
Thesis supervisors: Dr Roger Estrada Tejedor and Dr Raimon Puig de la Bellacasa Cazorla.
- *Achieving Compatibility of Luxury and Sustainability. A Framework to Aligned and Enhanced Experience.*  
Author: Katharina Alexandra Schuck.  
Thesis supervisors: Dr Belén Derqui and Dr Audrey Mehn (ISM).
- *Environmental Performance and Firm Performance - The Moderating Role of Corporate Governance.*  
Author: Marcel Dohrmann.  
Thesis supervisors: Dr Mònica Martínez Blasco and Dr Andreas Moring (ISM).

Results from research activities			
<b>21</b> DOCTORAL THESES DEFENDED	<b>139</b> PUBLICATIONS IN INDEXED JOURNALS (WOS AND SCOPUS)  <b>93</b> (70%) OPEN ACCESS PUBLICATIONS		<b>12</b> BOOKS OR BOOK CHAPTERS PUBLISHED
<b>8</b> PATENTS APPLIED FOR	<b>58</b> RESEARCH CONTRACTS WITH COMPANIES		<b>138</b> COMPETITIVE RESEARCH PROJECTS



# IQS Executive Education

***IQS Executive Education is the IQS division where senior professionals can improve their managerial skills and companies are able to develop their organization's talent through in-company training and consulting, coaching, and mentoring programmes.***

The activities carried out over the course of academic year 2024-2025 have included:

- The **CFA Level I Preparation Course** that provides preparation for the Level I exam and also establishes the foundations to be able to practice professionally in different financial fields: investment analysis, stock market analysis, capital market operations, portfolio and wealth management, and corporate and financial management.
- The **Master's Degree in Strategic Purchasing Management and the University Specialization Diploma in Strategic Purchasing Management**, both URL-specific degrees, aimed at purchasing managers to provide them with strategic business vision and to develop their leadership abilities to drive radical transformation in purchasing.
- The **Master in Operations Management** in the industrial sector and the **University Expert Diplomas in Product & Process Engineering Management, Manufacturing Plant Leadership, and Global Logistics & Supply Chain Management**, all URL-specific degrees, in which participants are trained to provide stability to their company's operations and supply chain to make it a more productive, efficient, and profitable organization.
- The **Postgraduate Degree in Pharmaceutical Plant Engineering** is aimed at young professionals who wish to enter the pharmaceutical industry and professionals with experience and interest in improving their technical knowledge in the improvement or construction of pharmaceutical plants.

- The **IQS Master's Degree in Hospitality Management**, a Ramon Llull University (URL) specific degree that promotes and strengthens passion for hospitality and the calling for service with the aim of boosting professional careers so participants become leaders in the international hotel industry and the hospitality sector.
- The **Master's Degree in Event Organization and Business Tourism** offers students a comprehensive overview of the event industry and business tourism, expanding knowledge of the key elements and processes that will enable graduates to organize different types of events.
- The **Tourism Apartment Management** programme provides the key tools for the success of those who wish to manage or have their own establishment, offering a 360° vision of the business.
- The **University Expert Diploma in Paint Technology**, a URL-specific degree, aimed at professionals who wish to get an up-to-date immersion in the paints, dyes, and varnishes sector. The programme provides an overview at the market level on recent trends, legislation, quality, raw materials, formulation, and primary applications.
- The **Apex Programme**, an IQS-specific degree. This programme is specifically designed and focused on adding value and encouraging the growth of small and medium-sized enterprises in an increasingly competitive market.
- The **Postgraduate Diploma in Perfumes and Fragrances, Market and Applications** offers a holistic view of the perfume industry, with students developing the skills necessary to improve products, lead projects, and optimize business processes within companies in the sector.
- The **Master's Degree in Neuromarketing** aims to train professionals who are experts in consumer behaviour with a background in university degrees in economics, psychology, communication, or neurology in the use of neuroscientific techniques applied to marketing.

The other open activities that have been held include:

- **7 Management Capsules**, all courses that last less than two weeks in duration.
- **16 Focused Programmes** lasting between one and two months.

In addition, a total of **38 programmes were carried out in-company or for companies**, with 473 participants, that have involved consulting, training, mentoring, and executive coaching activities focused on the business areas of Purchasing, Project Management, Leadership, Quality, and Supply Chain.





# Career Services

***IQS contributes to the economic, scientific, and technological development of society by training professionals who are capable of taking on positions of responsibility in the companies and industries to which they belong.***

The degrees taught at IQS are directly connected with the professional environment. All courses have a significant hands-on approach and a high percentage of study time is dedicated to laboratories and workshops. Students have the opportunity to do in-company internships in every undergraduate and graduate programme, with mandatory internships included in all undergraduate programmes. Students also have the opportunity to do their Final Degree Project or Master Thesis in companies. These projects arise from an applied practical project in the sphere of each degree, which makes IQS students stand out and enhances their employment opportunities.

## CURRICULAR AND EXTRA-CURRICULAR INTERNSHIPS

All graduates of the IQS School of Engineering and the IQS School of Management have done in-company internships during their studies. As a result of this activity, a good percentage of these students are hired by the same companies at which they did internships.

- 466 internships managed under official IQS School of Engineering studies.
- 262 internships managed under official IQS School of Management studies.

## PLAN FOR IMPROVING TRAINING IN CROSS-DISCIPLINARY SKILLS

IQS Career Services works hard to ensure that students find the company and the job position that best suit their skills and professional profile. To this end, IQS Career Services has implemented a wide range of tools to accompany students.

These tools include:

- Competency Test: This makes it possible to define a competency profile of each student for a better fit in the position and company that best suits their skills and values.
- Mentoring: Through different coaching tools and neuro-linguistic programming (NLP) throughout the year, IQS Career Services offers a mentoring programme for fourth-year undergraduate and master's degree students with the aim of aiding them in their decision-making processes as they prepare to join the workforce.

- Professional competences training: This aims to enhance students' skills so they are ready to tackle professional challenges more successfully. The contents that are focused on include preparing their Curriculum Vitae, updating LinkedIn profiles, job interviews, an elevator pitch, and emotional management.
- *Personal and Professional Skills (PPS)* programme: This workshop covers aspects that the labour market demands from future professionals. The process helps students to identify their starting point in terms of the professional skills they have acquired to subsequently reflect on how they can strengthen them and, finally, how they can be applied to the professional world.
- Training week for fourth-year undergraduate and master's degree students. The contents of this activity are linked to teamwork, emotional management, leadership, and networking. The activities are held for fourth-year undergraduate students, who are mixed together regardless of the degree they are studying, and master's degree students.

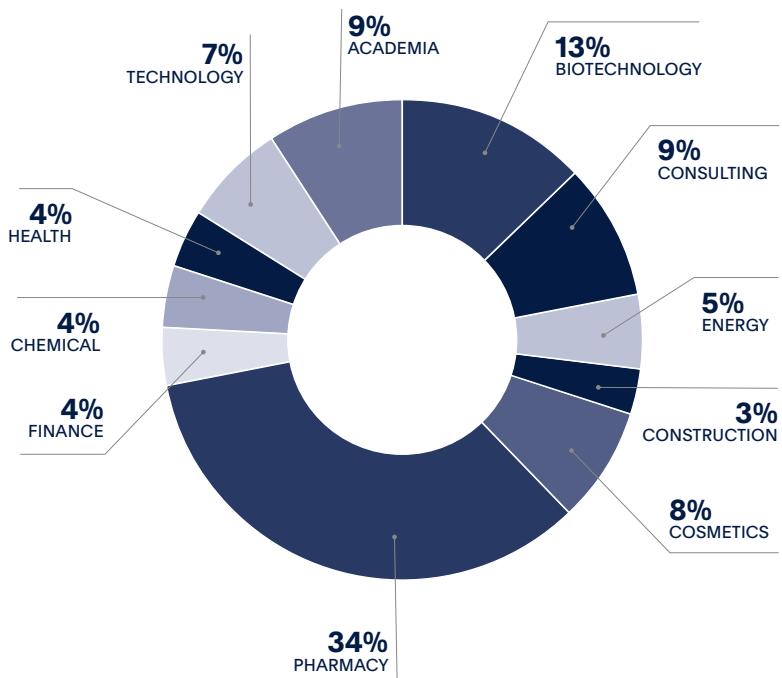
## PROFESSIONAL EVENTS

IQS Career Services organizes various events every year with companies to promote hiring and networking.

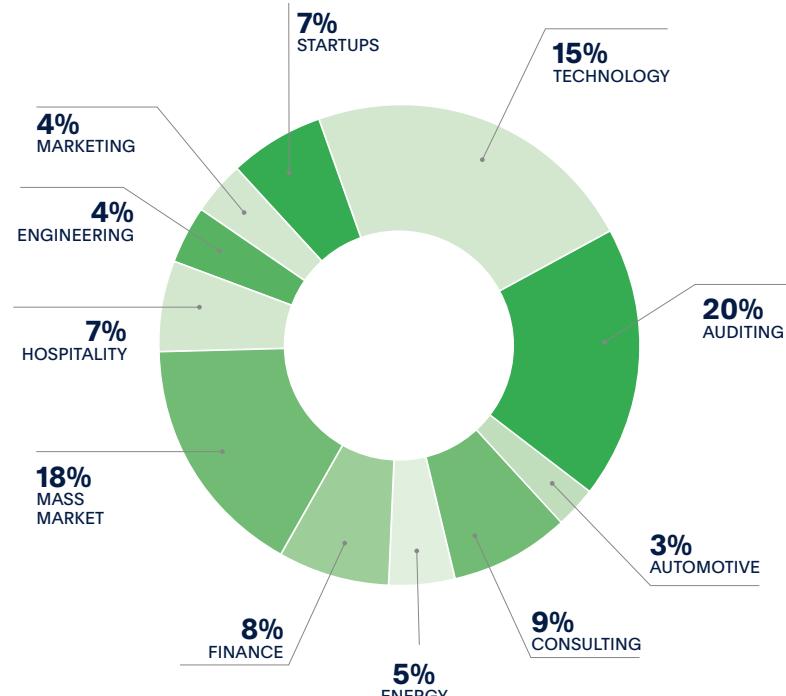
To this end, the actions carried out have included:

- Organization of the 4th Internship Forum (21 November 2024). Aimed at fourth-year undergraduate students and master's degree students, in which 35 companies attended, 22 of which are members of the IQS Business Foundation, with solid internship offers for students.
- Organization of the 19th IQS Employment Forum (15 March 2024), in which 48 companies participated, 22 of which are members of the IQS Business Foundation. The IQS Employment Forum brings students and companies together in a single space, allowing the different parties to get to know each other first hand, enabling students to learn more about the selection processes they will face in the future, and making it possible for them to personally submit their CVs to prospective employers. Complementary to the companies' informational stands, the event featured different activities including informative roundtable discussions, specifically for the industrial sector, and personalized interviews for students with companies that have job openings. This year's event also featured Speed Networking sessions with 15-minute job interviews through the Teams platform with pre-selected candidates.

## IQS School of Engineering JOB PLACEMENT FIRST JOB BY TYPE OF INDUSTRY



## IQS School of Management JOB PLACEMENT FIRST JOB BY TYPE OF COMPANY



COMPANIES THAT PARTICIPATED IN THE INTERNSHIP FORUM AND THE EMPLOYMENT FORUM:



\*Companies that belong to the IQS Business Foundation



# IQS Alumni

# 13

During academic year 2024–25, **IQS Alumni** has continued to grow and strengthen as an active, diverse, and committed community, faithful to its purpose of “**Connecting, Accompanying, and Inspiring.**” This year has been marked by the consolidation of programmes initiated in previous years and by holding highly relevant events that have contributed to **strengthening bonds between different generations, enhancing professional development, and expanding the presence of IQS Alumni** in the academic, social, and scientific fields.

In the academic and professional field, **4 conferences and 5 technical visits** were made to the **IQS Seniors** group, consolidating this space as a meeting point for long-term professionals. In addition, **3 roundtable** events were organized, including the one dedicated to “**Discovering the 2024 Nobel Prizes,**” in which the relationship between the Medicine, Chemistry, Physics, and Economics awards and the current lines of research at IQS were analysed, highlighting the link between international research and research done at our institution.

Another highlight of the year was the **60th edition of the Father Salvador Gil Awards**, established in 1959, which continue to recognize and promote the **scientific rigour, innovative spirit, and social impact** of university research. This edition reaffirmed the role of the awards as a key element in promoting excellence and knowledge transfer.

In the social and community sphere, **8 Alumni Meetings** were held, which once again demonstrated the strength and vitality of the network. The **lunch commemorating the classes of graduates from 50 and 60 years ago**, as well as the **reunion** of the **BETA GAMMA SIGMA** group, with the participation of more than a hundred Alumni, were particularly noteworthy. These intergenerational meeting spaces are essential to keep the IQS community spirit alive and to recognize the trajectory of those who led the way.

Open and social engagement activities have also played a prominent role, with **IQS Alumni participating in Magic Line**, reinforcing the commitment to solidarity and social responsibility.

As for the new generations, the traditional **Alumni Welcome Party** has welcomed the class of 2025 bachelor’s and master’s graduates under the slogan “**SHINE YOUR DREAMS,**” held this year at the former Moritz Factory. This meeting has once again been a key space for the **integration of new Alumni into the community**, creating links from the first moment of their new professional and personal stage.

Finally, one of the most relevant events was the **BIET Meeting 2025**, a leading conference in baking innovation, organized by the IQS Alumni Food Professional Group. This edition brought together **200 attendees, 26 experts from seven countries, and leading companies in the sector** over the course of **14 presentations and 8 workshops.** The conference focused on how technology and science are revolutionizing the food industry, and once again positioned IQS as an international meeting place for innovation.

In short, academic year 2024–25 has been a year full of **consolidation, growth, and projection.** IQS Alumni has continued to strengthen the bonds between its members, foster professional development, promote science and innovation, and accompany new generations on their journey as part of a lively and dynamic community.



# 14 IQS Business Foundation

**IQS receives financial support from companies and IQS alumni through the IQS Business Foundation. These contributions make the continuous improvement of IQS possible, focused on four major areas: scholarships for students, which promote equal opportunities; technology and innovation in the classrooms to build a cutting-edge educational environment; research activity, which promotes the generation of new knowledge; and spaces and infrastructure with the creation and renovation of classrooms and buildings aimed at innovation and developing talent.**

Founded in 1958, the IQS Business Foundation aims to support education, research, and the relationship between IQS and the business world. The Foundation carries out this work thanks to the donations made to IQS by more than one hundred Spanish and international companies that participate in the Foundation. In 2006, it became a founding partner of the MIT International Program, the **MIT-Spain Program**.

During academic year 2024–2025, **PANIKER, CELSA GROUP FRAGRANCE SCIENCE, and ISL SALAS LIMPIAS** became members of the IQS Business Foundation.

The **Executive Committee** of the IQS Business Foundation is made up of Mr Jeroni Farnós Marsal, president; Dr Salvador Borrós Gómez, vice president; Ms Rosa Curt Santpera, secretary general; Mr Jesús Santamaría, treasurer; and Mr Ignasi Cañagueral Laboria; Ms M<sup>a</sup> Luisa Espinós Soldevila; Ms Sofia Lluch Saunier; Mr Jordi Martí Gascón; Ms. Marta Rodríguez Giró; and Mr Santiago Sabatés Mas, in their capacity as members.

As to the **Board of Trustees** of the IQS Business Foundation, it is formed by Mr Jeroni Farnós Marsal, president; Dr Salvador Borrós Gómez, vice president; Mr Jesús Santamaría Serna, treasurer; Ms Rosa Curt Santpera, secretary general; and Mr Frederic Abelló Riera; Mr Ramón Agenjo Bosch; Mr Ignasi Cañagueral Laboria; Mr Marcos Cela Rey; Mr Manel Cerqueda Díez; Mr Álvaro Echevarría Arévalo; Ms M<sup>a</sup> Luisa Espinós Soldevila; Mr Antoni Esteve Cruella; Mr Luis Fernández-Goula Pfaff; Mr Marcos Fernández Garcia-Marca; Mr Sergio Ferrer-Salat Serra di Migni; Mr Andrea Firenze; Mr Joaquim Folch-Rusíol Corachán; Mr Jordi Gallardo Ballart; Mr Victor Grifols Deu; Mr Josep Lagares Gamero; Ms Rosa M<sup>a</sup>. Lleal Tost; Ms Sofia Lluch Saunier; Mr Jordi Martí Gascón; Mr Joan Molins Amat; Mr Carles Navarro Vigo; Mr Marian Puig Guasch; Ms Marta Rodríguez Giró; Mr Francesc Rubiralta Rubió; Mr Santiago Sabatés Mas; Ms Elisabeth Stampa Jager; Mr Guillermo Vallet Millet; and Mr Carlos Ventós Omedes in their capacity as members; and Dr Josep Arcas Romeu as Honorary Trustee.

■ **We are striving after our motto this year, inspired by the words of Fr. Arturo Sosa, S.J., Superior General of the Society of Jesus: "The university must be a space for comprehensive education, where not only knowledge is cultivated, but also a sense of justice and solidarity."**

During academic year 2024–25, financial donations and support came in the form of:

## CLASSROOMS, INFRASTRUCTURE, AND BUILDINGS

- Sponsorship by **GRUPO DISBESA** for the remodelling work in the IQS Cafeteria-Restaurant.
- Sponsorship by the **METALQUIMIA FOUNDATION** for a flow cytometer device.
- Renovation, rehabilitation, and equipment project for the Pilot Plant Engineering Building with participation from **AC MARCA, ERNESTO VENTÓS, LETI PHARMA, MOLINS, ROCA SANITARIO, and WERFEN.**

## GRANTS

### • "LA CAIXA" FOUNDATION

2nd International Conference on Aporophobia.

### • IBERHOSPITEX

3rd PhD Students Day.

### • BANCO SANTANDER

IQSTech Factory.

## CORPORATE SCHOLARSHIP PROGRAMME

- **26 Undergraduate Academic Excellence Scholarships:** aimed at students with outstanding academic records. These scholarships consist of financial aid and support to study Bachelor's Degrees and Dual Bachelor's Degrees at the IQS School of Engineering and the IQS School of Management.
- **3 CARBUROS METÁLICOS** scholarships awarded to Valeria Darvas García, who is studying the Bachelor's Degree in Industrial Engineering, and to Berta Moliner Erro and Maya Oliver Velasco, who are studying the Bachelor's Degree in Biotechnology.
- **2 ERNESTO VENTÓS** scholarships awarded to Tània Farnós Pérez de Baños and Lian Shidong Porta Coll, who are studying the Bachelor's Degree in Biotechnology.
- **2 FUNDACIÓ CAIXA ENGINYERS** scholarships awarded to Liam Cuberas Gallego and Josep Camprodón Sánchez, who are studying the Bachelor's Degree in Chemistry and Chemical Engineering.
- **2 FUNDACIÓ PUIG** scholarships awarded to Guillem Boigues Coll, who is studying the Dual Bachelor's Degree in Biotechnology and Business Administration and Management, and to Clara Ferrer Segarra, who is studying the Bachelor's Degree in Biotechnology.
- **4 GRUPO AC MARCA** scholarships awarded to Cristina Guarch Pascual, who is studying the Bachelor's Degree in Business Administration and Management; Telma Flores Sauvage and Sara Rodríguez Martínez, who are studying the Bachelor's Degree in Biotechnology; and Lucía Berard González, who is studying the Bachelor's Degree in Chemistry and Chemical Engineering.
- **2 GRUPO ALTADIA** scholarships awarded to Elisabet Vílchez Cervera and Eva Ricart Bustarviejo, who are studying the Bachelor's Degree in Biotechnology.

• **2 JORI ARMENGOL** scholarships awarded to Carla Gaspà Vivanco, who is simultaneously studying the Bachelor's Degree in Biotechnology and the Bachelor's Degree in Business Administration and Management; and to Álvaro Allende Varela, who is simultaneously studying the Bachelor's Degree in Industrial Engineering and the Bachelor's Degree in Business Administration and Management.

• **2 JOSEP RIBÉ** scholarships awarded to Cheng Wang, who is studying the Dual Bachelor's Degree in Biotechnology and Business Administration and Management, and to Oriol Sanahuja Gacen, who is studying the Bachelor's Degree in Industrial Engineering.

• **3 LETIPHARMA** scholarships awarded to Biel Salvador Plana, Mariona Argemí Cutiller, and Laura Fernández Moreno, who are studying the Bachelor's Degree in Biomedical Sciences.

• **3 LUCTA** Scholarships awarded to Esther Ting Cabrera Clapers and Clàudia Lorente Villaret, who are studying the Bachelor's Degree in Biotechnology, and to Laura Gallego Olsina, who is studying the Bachelor's Degree in International Business.

• **1 PROTEIN** scholarship awarded to Paula Esteve Casadevall, who is studying the Bachelor's Degree in Chemistry and Chemical Engineering.

### • **4 Undergraduate Financial Aid Scholarships:**

• **2 FUNDACIÓ OCCIDENT** scholarships awarded to Marc Manrubia Escudero and Jordi Serra Palomares, who are studying the Bachelor's Degree in Chemistry and Chemical Engineering.

• **2 FUNDACIÓ M<sup>a</sup> FRANCISCA ROVIRALTA** scholarships awarded to Estela Marina Mangalavite, who is studying the Bachelor's Degree in Biotechnology, and to Vega Manrubia Bueno, who is studying the Bachelor's Degree in Chemistry and Chemical Engineering.

### • **17 Master's Degree Academic Excellence Scholarships:**

Aimed at students with the best academic records who completed their undergraduate studies at IQS to enable them to continue their education at IQS. The following students were awarded scholarships at the IQS Business Foundation Annual Corporate Scholarship Meeting:

• **1 ALEXION** Scholarship awarded to Rubén García Medina, who is studying the Master's Degree in Biopharmaceutical Business.

• **1 ANDBANK** scholarship awarded to Oriol Jofré Boldú, who is studying the Master's Degree in Wealth and Financial Management.

• **1 EQUATORIAL COCA-COLA BOTTLING COMPANY** scholarship awarded to Tania Carretero i Vila, who is studying the Master's Degree in Global Entrepreneurial Management.

• **1 CELSA GROUP** scholarship awarded to Max Martínez Lozano, who is studying the Master's Degree in Industrial Engineering.

- 1 **COVESTRO** scholarship awarded to Emma Ricart Lloret, who is studying the Master's Degree in Chemical Engineering.
- 1 **EUROFRAGANCE** scholarship awarded to Rodrigo Perales Morales, who is studying the Master's Degree in Analytical Chemistry.
- 1 **GRÍFOLS** scholarship awarded to Jordi Codinach González-Simó, who is studying the Master's Degree in Bioengineering.
- 1 **KLINEA** scholarship awarded to Javier Seoane Navarro, who is studying the Master's Degree in Biopharmaceutical Business.
- 1 **LA ROCA VILLAGE** scholarship awarded to Pei-Yu Kuo, who is studying the Master's Degree in International Marketing in a Digital Environment.
- 1 **LLUCH ESSENCE** scholarship awarded to Santiago Andrés Murillo Amador, who is studying the Master's Degree in Pharmaceutical Chemistry.
- 1 **KLOCKNER** scholarship awarded to Alicia Nadal Vila, who is studying the Master's Degree in Bioengineering.
- 2 **NATURGY** scholarships awarded to Daniel Riera Guardiola, who is studying the Master's Degree in Industrial Engineering, and for female talent, to Lota Hernandez Rosius, who is studying the Master's Degree in Chemical Engineering.
- 1 **ROCA SANITARIO** scholarship awarded to Carlos Manuel Parejo-Merino Fernández, who is studying the Master's Degree in Industrial Engineering.
- 1 **TECHNIP ENERGIES** scholarship awarded to Mariona Navarro Godàs, who is studying the Master's Degree in Chemical Engineering.
- 1 **WALDNER** scholarship awarded to Dhanush Nayaka, who is studying the Master's Degree in International Marketing in a Digital Environment.
- 1 **WERFEN** scholarship awarded to Daniel-Alexandre Català Brenes, who is studying the Master's Degree in Bioengineering.

#### HONOUR RECOGNITIONS FOR FINAL DEGREE PROJECTS

- Honorary Recognition by Cáritas Diocesana de Barcelona for the best Final Degree Project at the IQS School of Engineering for academic year 2024–2025:  
 Title: *Executive project for the installation of a water system at the Bujagali Primary School.*  
 Student: Inés María Kallenbach Guibelalbe.  
 Supervisor: Ms Núria Llaverías Baques.  
 Bachelor's Degree: Industrial Engineering.
- Honorary Recognition by Cáritas Diocesana de Barcelona for the best Final Degree Project at the IQS School of Management for academic year 2024–2025:  
 Title: *Marketing Plan for the Duchenne Association.*  
 Student: Ariadna Hernández.  
 Supervisor: Dr Noelia Jiménez.  
 Bachelor's Degree: Marketing.



**€726,030.57**

TOTAL FINANCIAL DONATIONS MANAGED BY THE IQS BUSINESS FOUNDATION

Founding Member of the MIT-Spain Program:



Member of:



Partners



COMPANIES THAT FORM PART OF THE IQS BUSINESS FOUNDATION





# 15 Institutional Activity

**During academic year 2024-2025, IQS hosted the following academic and professional events related to the institution and received the following recognitions:**

## September

- IQS joins as a member of the Catalan Network of Advanced Therapies.
- A publication by the ChemSynBio Group at IQS receives an award given by the Royal Society of Chemistry.
- Dr Santi Nonell awarded the *Lifetime Achievement Award* by the *American Society of Photobiology*.
- IQS organizes a conference on food waste along with the Spanish Association of Commercial Coding.
- IQS commemorates World Breast Cancer Day.
- IQS hosts the Teaching Science in Secondary Education Conference.
- IQS participates in International University Service-Learning Week.

## October

- Second edition of the International Aporophobia Conference held at IQS.
- IQS launches the Equal Programme in collaboration with the Eurofirms Foundation.
- The IQS Polycoarct project awarded in the “*Make Your Medical Device Pitch for Kids!*” international competition.
- Debate session at IQS on “Reassessing and regenerating the tourism sector.”
- Annual gathering for the bachelor’s degree scholarship programmes for academic excellence, financial aid, and university master’s degrees from the Business Foundation.

## November

- IQS joins the Society of Jesus initiative concerning the DANA Storm.
- Debate session at IQS on “Creation and chances for the success of a startup against large Life Sciences corporations.”

- IQS Participates in the 5th Global Universitate Symposium held in Rome.
- First Edition of “Social Justice Day.”
- IQS participates in the 29th edition of “Science Week.”
- IQS participates in the conference “Advancing the institutionalization of Service-Learning in universities.”
- Three IQS projects presented at the 9th University and Development Cooperation Conference.
- Third edition of the IQS Travelthon in support of sustainable tourism.
- Start of the ChemBioEng IQS Talks conference cycle.

## December

- Inauguration of the new laboratories and academic spaces at IQS with the presence of Cardinal Joan Josep Omella.
- Dr Josep Antoni Rom, rector of the URL, gives a lecture on Christian humanism.

## January

- The 26th IQS Symposium reflects on environmental justice and joint action.
- Dr Francesc Torralba gives a lecture on ethics and artificial intelligence.
- IQS co-organizes a conference on wastewater treatment in the chemical and pharmaceutical industries.
- IQS hosts the launch sessions of the European Erasmus+ EcoHarmony project.
- IQS launches the “Preparing for university entrance exams” practice sessions for secondary school baccalaureate students.

## February

- IQS students win the 23rd edition of the “San Francisco Javier UNIJES” university debate league.
- Start of the IQS-Cambridge Talks conference cycle.
- Start of the *Life in Equations* conference cycle.

## March

- IQS hosts an international meeting on the resilience of SMEs in the face of natural disasters.
- First Edition of IQS Innovation Day.

## April

- IQS participates in the Teaching Forum by presenting its educational offering.

## May

- Beta Gamma Sigma induction ceremony for IQS students.
- Opening of the exhibition on the power of neuromarketing.
- Get Moving for Change awards ceremony.
- IQS hosts the second edition of the Industrial Biotechnological Processes Workshop.

## June

- Awards ceremony for the first edition of the *DreamIt, STEMit* contest.
- Graduation ceremony for the 2024-25 class of IQS master's degree students, with Dr Berta Vega, *Head of Sales Automotive & Industrial Coatings* at Covestro, as the class sponsor.
- IQS participates in the UNISERVITATE programme's Southwestern Europe Hub meeting.
- IQS participates in the Ramon Llull University Conference on Service-Learning.
- IQS participates in the meeting of the International Association of Jesuit Universities in Bogotá.
- IQS students visit the company FCC's waste management plant.
- IQS co-organizes the 4th edition of the *International Workshop* on the Chinese economic growth model.

## July

- IQS hosts the seminar on Social Entrepreneurship in Tourism.
- Graduation Ceremony for the class of 2024-25 IQS bachelor's degree students with Ms Montse Almirall, Vice-President of the Contigo Foundation against Women's Cancer, as the class sponsor.
- IQS organizes the Summer Camp "Experiment and learn: chemical analysis of food, water, and cosmetic products" aimed at students in the secondary school baccalaureate scientific track.
- IQS Presents a Service-Learning project at the HOPE25 International Conference.
- IQS institutional visit to the Rafael Landívar University of Guatemala.
- IQS hosts Investor's Day and the 2025 Innovation Fair.
- Annual Meeting of the IQS Business Foundation with the participation of the Minister of Industry and Tourism, Jordi Hereu Boher, who presented the lecture entitled "*Reindustrialization and industrial transformation in Spain. Advancing towards strategic autonomy.*"

## August

- During academic year 2024-25, IQS and the "La Caixa" Banking Foundation signed a collaboration agreement to enhance and consolidate the research activity of newly incorporated professors and researchers. This agreement supports the development of the "2020 Research Grant Programmes" project through financial contributions made by the bank.



**AS A UNIVERSITY ASSOCIATED WITH THE SOCIETY OF JESUS AND A FOUNDING MEMBER OF RAMON LLULL UNIVERSITY, IQS FORMS PART OF THE FOLLOWING ASSOCIATIONS**



MIT International Science and Technology Initiatives → MIT SPAIN



# 16

## This is IQS

### OFFICIAL DEGREES

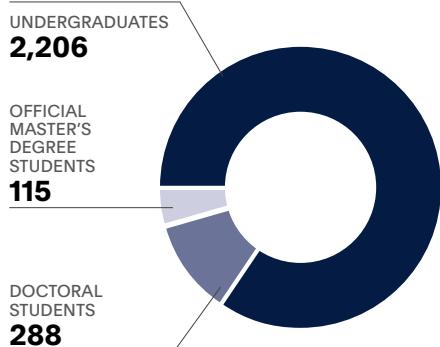
<b>10</b>	<b>5</b>	<b>12</b>	<b>9</b>	<b>3</b>
BACHELOR'S DEGREES	DUAL BACHELOR'S DEGREES	MASTER'S DEGREES	DUAL MASTER'S DEGREES	DOCTORATES

### SCHOLARSHIPS AND FINANCIALAID

**€2,319,896**

FOR SCHOLARSHIPS AND FINANCIALAID

**2,609** TOTAL STUDENTS



### ERNEST SOLVAY LIBRARY AND DOCUMENTATION CENTRE

**27,767**  
VOLUMES

**157**  
NEW ISSUES

**13,251**  
LIBRARY  
ACCESSES

**5,974**  
SUBSCRIPTIONS TO  
ELECTRONIC JOURNALS

**18**  
DATABASE  
SUBSCRIPTIONS

**1,262**  
ELECTRONIC  
BOOKS

**17**  
SUBSCRIPTIONS TO  
PAPER JOURNALS

**552**  
LOANS

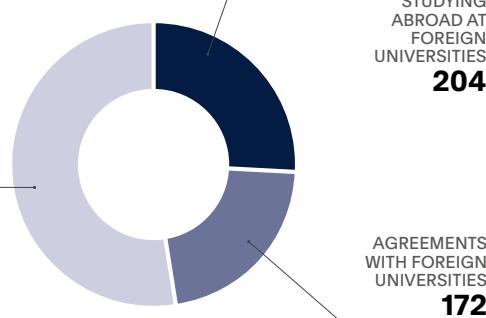
**41,817**  
VISITS TO THE  
WEBSITE

### INTELLECTUAL CONTRIBUTIONS

<b>139</b>	PUBLICATIONS IN INDEXED JOURNALS (WOS and SCOPUS)
<b>93</b>	OPEN ACCESS PUBLICATIONS
<b>12</b>	BOOKS OR BOOK CHAPTERS PUBLISHED
<b>21</b>	DOCTORAL THESES DEFENDED
<b>8</b>	PATENTS APPLIED FOR
<b>58</b>	RESEARCH CONTRACTS WITH COMPANIES
<b>138</b>	COMPETITIVE RESEARCH PROJECTS

### INTERNATIONAL PRESENCE

STUDENTS  
FROM FOREIGN  
UNIVERSITIES  
STUDYING AT IQS  
**411**



### IQS STAFF

**123**

FULL TIME PROFESSORS AND  
RESEARCHERS

**89%**

HOLD PHDS

**74%**

ACCREDITED PHDS BY AQU  
OR ANECA

**103**

EXTERNAL ASSOCIATE  
PROFESSORS

**115**

RESEARCHERS  
IN TRAINING

**118**

ADMINISTRATION AND  
SERVICES STAFF

### TEACHING SPACE

**24,080<sup>m<sup>2</sup></sup>**  
TOTAL

**5,350<sup>m<sup>2</sup></sup>**

FOR CLASSROOMS

**9,033<sup>m<sup>2</sup></sup>**

FOR LABORATORIES AND  
WORKSHOPS

**1,026**

INDIVIDUAL WORKSTATIONS IN  
LABORATORIES

## ACCREDITATIONS



AACSB Association to Advance Collegiate Schools of Business (USA) for all programmes in the IQS School of Management.



Institutional accreditation for the IQS School of Engineering and the IQS School of Management recognizing compliance with the internal quality assurance system of both schools.



Engineering Accreditation Commission

Bachelor's Degree in Chemical Engineering (BS) and Master's Degree in Chemical Engineering (MS):

Accredited by the **ABET** Engineering Accreditation Commission (EAC), in accordance with the General Criteria and the Specific Programme Criteria for Chemical, Biochemical, and Biomolecular Engineering and other similar engineering programmes.

Bachelor's Degree in Industrial Engineering (B. Eng.) and Master's Degree in Industrial Engineering (MS):

Accredited by the **ABET** Engineering Accreditation Commission (EAC), in accordance with the General Criteria and the Specific Programme Criteria for Industrial Engineering and other similar engineering programmes.

## RANKINGS



- *Master in Industrial Business Management (MIBM)* in the Global Top 100 (78th place), standing out in the 100% employability rate indicator according to the FT Masters in Management Ranking.
- IQS School of Management in the Top 100 of the best business schools in Europe according to the FT European Business Schools Ranking.



2nd Catalan university and 3rd in Spain in the field of *Business and Economics* and 1st Spanish private university in the fields of *Engineering and Chemical Engineering*, according to THE World University Ranking by Subject.



- 436th in the world and 2nd private Spanish university according to the QS World University Ranking.
- 24th in the world and 1st Spanish university in *Business*; 51-100 in the world and 2nd in Spain in *Hospitality*; and 1st university in Spain and 23rd in the world in *Marketing*, according to the QS World University Ranking by Subject.
- Master's Degree in Industrial Business Management (#131-140); Master's Degree in International Marketing in a Digital Environment/ International Marketing and Sales Management: TOP 100 (#71-80), according to the QS Business Masters Ranking.



TOP 150 in *Business Administration and Management*  
1st in Spain in *Management*  
3rd in Spain and 1st private university in *Business Administration*



Recognition of the five Master's Degrees at the IQS School of Management in the Best Masters Ranking, in addition to the Master's Degree in Purchasing in Executive Education.



5th Catalan university and Top 10 in Spain, standing out in the international orientation dimension. For Chemistry and Chemical Engineering studies, 1st private university in Spain, and for Industrial Engineering studies, 4th place in Catalonia. In all three areas, the performance rate of IQS graduates and performance in the contribution to regional development indicators (university-environment interaction: internships and applied research papers) stand out. For Pharmacy studies, 6th Spanish university, 3rd private university in Spain, and 2nd place in the results of the Teaching and Learning dimension indicators.



1st place Master's Degree in Bioengineering, 3rd place Master's Degree in International Marketing in a Digital Environment, Master's Degree in Industrial Business Management TOP 5 (#5), and 1st place Bachelor's Degree in Chemical Engineering in Catalonia, 5th in Spain, and 1st private university in Spain.



147th best university in the world in employability according to the Global Employability University Ranking; 7th in Spain, and 2nd in the Catalan university system, produced by Emerging and published with Times Higher Education (THE).



1st in the group for best teaching universities and, globally, 5th in the group for universities with the highest performance in Spain.

## ALLIANCES



## HONOUR SOCIETIES





# 17 Governing Bodies

***The Board of Trustees is responsible for the ultimate governance of the Foundation, serving as representative and defining the Institution's lines of governance.***

The Board of Trustees is made up of ten members, appointed by the Society of Jesus, and votes to choose a President who is responsible for presiding over and managing board meetings.

The IQS internal and good governance structure (approved at the IQS Board of Trustees meetings on 29 January and 7 April 2020) establishes the Board of Directors as the advisory body to University Administration and the coordinator of its functional areas.

In academic year 2024-25, and as of 1 January, the IQS Board of Trustees and Board of Directors were formed by:

## BOARD OF TRUSTEES

- Dr Vicenç Pedret Clemente, President
- Mr Marian Puig Guasch, Vice-President
- Ms Alexandra Molina-Martell Ramis, Secretary
- Dr Josep Arcas Romeu, Member
- Fr. Silvestre Falguera Noya, SJ, Member
- Mr Jerónimo Juan Farnós Marsal, Member
- Fr. Jaume Flaquer García, SJ, Member
- Dr M. Carme Llasat Botija, Member
- Dr Enrique López Viguria, Member
- Dr Josep F. Mària Serrano, SJ, Member

## BOARD OF DIRECTORS

- Dr Salvador Borrós Gómez, Director of IQS
- Ms Sonia Amorós Ramos, IQS Managing Director
- Mr Carlos Bel López, IQS Director of People & Organization
- Dr Marta Camprodon Rosanas, Campus Life Manager
- Dr Flavio Comim, Dean of the IQS School of Management
- Dr Jordi Díaz Ferrero, Dean of the IQS School of Engineering
- Dr Carles Malet Falcó, Associate Director of IQS
- Dr José Javier Molins Vara, IQS Registrar
- Dr Oriol Quintana Rubio, IQS Identity and Mission Manager
- Dr Marta Tena León, Director of IQS Communications and Corporate Marketing
- Dr Núria Vallmitjana Palau, Director of IQS Tech Transfer



# 18 Academic Offer

## OFFICIAL DEGREES FOR ACADEMIC YEAR 2026-2027

### BACHELOR'S DEGREES

- Biotechnology
- Biomedical Sciences
- Pharmacy
- Industrial Engineering
- Chemistry
- Chemical Engineering
- Applied Mathematics
- Medicine
- Business Administration and Management (progressively towards English)
- Business Administration and Management (entirely in English)
- Marketing (with Dual International Degrees, entirely in English and progressively towards English)
- International Business (with Dual and Triple International Degrees, entirely in English and progressively towards English)

### DUAL BACHELOR'S DEGREES

- Biotechnology and Business Administration and Management
- Industrial Engineering and Business Administration and Management
- Chemistry and Business Administration and Management
- Chemical Engineering and Business Administration and Management
- Chemistry and Chemical Engineering

### MASTER'S DEGREES

- Analytical Chemistry
- Pharmaceutical Chemistry (entirely in English)
- Industrial Engineering
- Chemical Engineering (entirely in English)
- Bioengineering (entirely in English)
- Biopharmaceutical Business (\*) (entirely in English)
- International Marketing in a Digital Environment / International Marketing & Sales Management (entirely in English)
- Wealth and Financial Management
- Industrial Business Management (entirely in English)
- Neuromarketing (\*)
- Circular Economy (\*) (entirely in English)
- Cosmetics and Fragrances
- Accounting, Data Analytics, and ESG Reporting (\*)
- Applied International Development (\*) (entirely in English)
- Global Entrepreneurial Management (entirely in English)

### DUAL MASTER'S DEGREES

- An IQS School of Engineering Master's Degree and the Master's Degree in Industrial Business Management
- Master's Degree in Chemical Engineering and Master's Degree in Industrial Engineering

### DOCTORATES

- Bioengineering
- Chemistry and Chemical Engineering
- Business and Territorial Competitiveness, Innovation and Sustainability (CETIS), taught jointly with the Universidad de Deusto and the Universidad Pontificia Comillas, ICADE

(\*) URL-specific degree

### **More information:**

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08017 Barcelona

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[www.iqs.edu](http://www.iqs.edu)