



Universidad  
de Navarra



TECHNICAL  
SCIENCES  
AREA

Technical  
Sciences

LIVING  
KNOW/  
LEDGE

Be the main  
character of  
your university  
experience

# TECHNUN-SCHOOL of ENGINEERING

# KNOWLEDGE *does* *take up* SPACE



## EDUCATION 360°

At the University of Navarra, you'll be able to expand your humanistic training, spirit of solidarity and critical thinking thanks to the core curriculum, the set of cross-cutting subjects included in all degree programs.

Core curriculum subjects focus on the big questions of human existence and also provide an intellectual framework to help students integrate the specialized knowledge they acquire.

## GLOBAL ENVIRONMENT International dimension

Last year, more than 4,000 international students were enrolled at the University, which has agreements with 450 institutions in 55 countries.

However, our international dimension is not just a figure; it is an attitude that positions the University within a global environment that encompasses everyone.

## COMPREHENSIVE EXPERIENCE Hands-on learning

The University of Navarra offers a unique combination of academic excellence, proximity to professors, hands-on learning and human education.

A campus environment is the perfect place to acquire a comprehensive education.

## MENTORING Personalized attention

University mentoring is one of the key pillars underpinning the University of Navarra's educational project and is designed to improve the development of students' transversal skills and comprehensive training.

# DO YOU *need* more REASONS?

EXCELLENCE

The university is among the 250 best in the world according to the QS World Rankings

# 250

The 2025 QS World University Rankings assess more than 5,660 universities in 106 countries.



CAMPUSES

Seven Campus around the world

# 7

The University has campuses in Pamplona, San Sebastián, Madrid, Barcelona, Munich, New York and São Paulo.

INTERNATIONAL DIMENSION

More than 4,000 international students from 117 countries

FINANCING

Financial Aid and Scholarships

# 66%

Around 66% of undergraduate students of the University of Navarra receive some type of scholarship or aid.

STUDENTS

More than 13,000 students in the 23/24 academic year

ALUMNI

143,000 Alumni from more than 120 countries



# WHAT *makes* *us* DIFFERENT

## The School in figures

### SPAIN'S LEADING SCHOOL OF ENGINEERING

TECNUN School of Engineering is the best in Spain according to the QS Graduate Employability Ranking.

# 93%

### EMPLOYABILITY

93.18% of our graduates and master's degree students find jobs after completing their studies.

# 200

### INTERNATIONAL RELATIONSHIPS

Students can choose from more than 200 places in Europe, the USA, Canada, South America, Asia and Oceania.

### BILINGUAL

Students can choose to study entirely in English in the first year of any of our degrees.

# 100%

### FULL-TIME TEACHING STAFF

100% of the teaching staff in the first three years work at Tecnun School of Engineering or split their time with the Center of Studies and Technical Research (CEIT). In the fourth year, 30% are collaborating and adjunct professors at companies.



# 150

### JOB FAIR

A meeting point for companies and institutions that employ engineers and students, with the presence of 150 companies from across Spain.

## Searching and finding solutions to real problems in today's society

### TRAINING PROFESSIONALS SINCE 1961

We train students to solve a wide range of technical, operational and organizational problems for companies in the industrial and service sectors, without neglecting the scientific aspect that will allow them to work in the field of research.

The University of Navarra's School of Engineering is located in San Sebastian, the capital of the Province of Gipuzkoa, which has always been known for its entrepreneurial spirit.

It is a major business hub and home to the head offices of many leading companies in the automotive, metal and rail industries, as well as the industrial equipment and components sector. Today, Gipuzkoa is one of the leading players in the field of technological research.

### RELATIONSHIP WITH IESE BUSINESS SCHOOL

Tecnun School of Engineering has a close relationship with one of the most important business schools in the world.

### COMPREHENSIVE TRAINING

Tecnun School of Engineering combines technical and human training with personalized monitoring and mentoring during the labor market insertion process.



## Why study at Tecnun School of Engineering?

### WORK ENVIRONMENT

Our work environment is the result of our students' dedication to studying. Tecnun School of Engineering provides students with the infrastructure necessary to encourage study.

### UNIVERSITY LIFE

offers students the possibility of participating in different cultural and volunteer groups, including a theater group, choir, literature group, Basque culture group, volunteering activities, etc.

### HUMANISTIC TRAINING

Comprehensive training includes personalized monitoring, mentoring during the labor market insertion process and an ethical vision of students' future professional performance.

### MENTORING

Counseling and guidance to ensure that students receive the best academic and human training. Each student has a mentor.

### QUALITY

Students will live in an institution with a high level of organization.

### RESEARCH CENTERS

The bio area has a close technological and professional relationship with the Center for Applied Medical Research (CIMA).

### LABORATORIES

Tecnun School of Engineering has state-of-the-art teaching laboratories for each degree, including those in the areas of telecommunications, bioengineering, industrial electronics, electricity, design, mechanics, automotive and materials.



The University of Navarra is a research university whose research underpins and enriches its teaching.

# DEGREE *in* *Industrial* ELECTRONICS ENGINEERING

Through this degree, you'll become a professional with the ability to use industrial electronics to design, develop and improve the equipment, systems, elements and components that make machines and installations work.

You'll be able to design industrial electronic control systems, electronic cards and systems to automate any piece of equipment or device.

**FIRST YEAR****60 ECTS**

Calculus I	6	Calculus II	6
Algebra	6	Physics II	6
Physics I	8	Economics and Business	6
Information Technology I	6	Statistics and Probability	6
Anthropology	2	Anthropology II	4
Introduction to Engineering	2	Ethics	2

**SECOND YEAR****60 ECTS**

Chemistry	6	Thermodynamic	6
Electronic Technology	6	Electrotechnics	4
Business Administration	6	Environmental Technology	4
Differential Equations	6	Pathway (Data Analytics, and Hacking, Sustainable Engineering)	4
Ethics II	2	Computer Science, Making	
Data Analysis	4		
Mechanics	6		
Graphic Expression	6		

**THIRD YEAR****60 ECTS**

Materials Engineering	4	Theory of Machines	4
Material Resistance	4	Fluid Mechanics	6
Automatic Control	4	Electronic Circuits	6
Heat Transfer	6	Information Technology II	4
Electrical Systems	6	Ethics III	2
Digital Systems	4	Cultural Keys II	2
Cultural Keys I	2	Challenge of the Pathway	6

**FOURTH YEAR****60 ECTS**

Materials Engineering II	4	Microprocessors and Microcontrollers	4
Electrical Technology	6	Projects	4
Manufacture of Electronic Systems	6	Automatic Systems	4
Compatibility Electronic	4	Power Electronics	4
Electronic Design Methods	6	Industrial Automation and Instrumentation	6
		Final Year Project	12

4<sup>Y</sup>  
240<sup>ECTS</sup>

**LOCATION**

**San Sebastián  
Campus**

**LANGUAGE**

**Bilingual  
Spanish/English**



Find out more about the degree by scanning the QR code or visiting [en.unav.edu/web/degree-in-industrial-electronics-engineering](http://en.unav.edu/web/degree-in-industrial-electronics-engineering)



Tecnun School of Engineering provides its students with scientific and technological laboratories equipped with state-of-the-art machinery.

# DEGREE *in* *Electrical* ENGINEERING

After completing this degree, you'll be a professional with the ability to use electricity to design, develop and improve the equipment, systems, elements and components that make electrical machines and installations work.

You'll be able to design energy-efficient systems, batteries, electrical power generation systems, motors, energy transmission networks, transformation systems and more.

4Y  
240<sup>ECTS</sup>

LOCATION

San Sebastián  
Campus

LANGUAGE

Bilingual  
Spanish/English



Find out more about the degree by scanning the QR code or visiting [en.unav.edu/web/degree-in-electrical-engineering](http://en.unav.edu/web/degree-in-electrical-engineering)

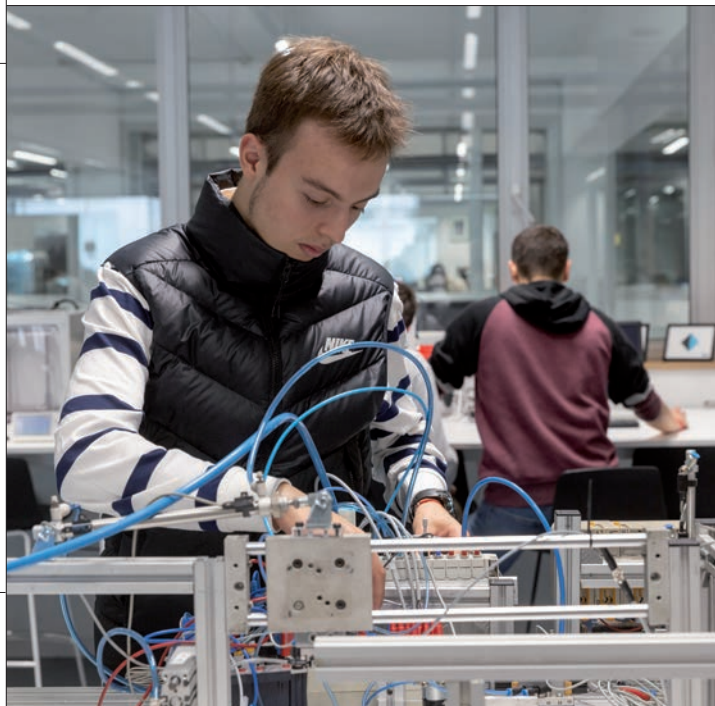


Studying the Degree in Electrical Engineering will allow you to develop a highly sought-after profile in the market.

## FIRST YEAR

60 ECTS

Calculus I	6	Calculus II	6
Algebra	6	Physics II	6
Physics I	8	Economics and Business	6
Information Technology I	6	Statistics and Probability	6
Anthropology	2	Anthropology II	4
Introduction to Engineering	2	Ethics	2



## SECOND YEAR

60 ECTS

Chemistry	6	Thermodynamic	6
Electronic Technology	6	Electrotechnics	4
Business Administration	6	Environmental Technology	4
Differential Equations	6	Pathway (Data Analytics, Computer Science, Making and Hacking, Sustainable Engineering)	4
Ethics II	2		
Data Analysis	4		
Mechanics	6		
Graphic Expression	6		

## THIRD YEAR

60 ECTS

Materials Engineering	4	Theory of Machines	4
Material Resistance	4	Fluid Mechanics	4
Automatic Control	4	Electronic Circuits	6
Heat Transfer	6	Information Technology II	6
Electrical Systems	6	Ethics III	2
Digital Systems	4	Cultural Keys II	2
Cultural Keys I	2	Challenge of the Pathway	6

## FOURTH YEAR

60 ECTS

Materials Engineering II	4	Energy Policies	4
Electrical Technology	4	Projects	4
Manufacture of Electronic Systems	6	Electrical Installations	6
Electrical Technology	6	Power Electronics	4
Electric Drives	6	Automatic Systems	4
		Final Year Project	12

# DEGREE *in* MECHANICAL *Engineering*

Studying this degree will give you a conceptual vision when designing an industrial or operational piece of equipment, machine, system, component or process.

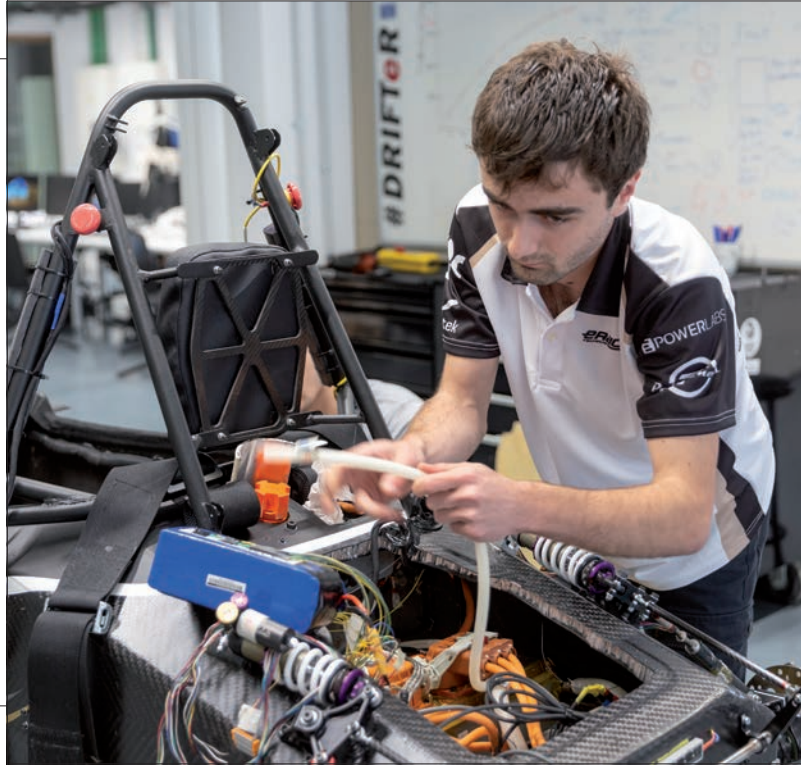
You'll also develop the ability to design, develop and improve equipment, systems, elements and components that allow machines and installations to transmit forces and movement with minimum effort, minimum weight, maximum efficiency and minimal vibrations.

<u>FIRST YEAR</u>		<u>60 ECTS</u>	
Calculus	6	Calculus II	6
Algebra	6	Physics II	6
Physics	8	Economics and Business	6
Information Technology	6	Administration	6
Anthropology	2	Statistics and Probability	6
Introduction to Engineering	2	Anthropology II	4
		Ethics	2

<u>SECOND YEAR</u>		<u>60 ECTS</u>	
Chemistry	6	Thermodynamic	6
Electronic Technology	6	Electrotechnics	4
Business Administration	6	Environmental Technology	4
Differential Equations	6	Pathway (Data Analytics,	4
Ethics II	2	Computer Science, Making	
Data Analysis	4	and Hacking, Sustainable	
Mechanics	6	Engineering)	
Graphic Expression	6		

<u>THIRD YEAR</u>		<u>60 ECTS</u>	
Materials Engineering	4	Fluid Mechanics	6
Materials Resistance	4	Measurement and	6
Automatic Control Systems	4	Instrumentation	6
Mechanics II	4	Materials Resistance II	4
CAD/CAM	6	Ethics III	2
Heat Transfer	6	Cultural Keys II	2
Cultural Keys I	2	Challenge of the Pathway	6
Machine Theory	4		

<u>FOURTH YEAR</u>		<u>60 ECTS</u>	
Materials Engineering II	4	Projects	4
Vehicle Technology	6	Machine Parts	4
Manufacturing Technology	6	Numerical Methods in	4
Industrial Constructions	6	Solids and Fluids	6
Energy Technology	4	Thermotechnics and Fluids	6
Pneumatics & Oil Hydraulics	4	Final Year Project	12



The Degree in Mechanical Engineering trains students to become professionals with scientific and technological knowledge.

4<sup>Y</sup>  
240 ECTS



LOCATION

San Sebastián  
Campus

LANGUAGE

Bilingual  
Spanish / English



Find out more about the degree by scanning the QR code or visiting [en.unav.edu/web/degree-in-mechanical-engineering](http://en.unav.edu/web/degree-in-mechanical-engineering)



# DEGREE *in* *Biomedical* ENGINEERING

As a graduate of Biomedical Engineering, you'll be able to participate in research projects in technology centers, in design departments and in the development of medical devices and equipment and more.

You'll be trained to become a professional with the ability to apply engineering principles and methods to medical and biological problems. You'll learn how to implement new technologies in the area of health.

## FIRST YEAR

60 ECTS

Calculus	6	Calculus II	6
Algebra	6	Physics II	6
Physics	8	Economics and Business	6
Information Technology	6	Statistics and Probability	6
Anthropology	2	Anthropology II	4
Introduction to Engineering	2	Ethics	2

## SECOND YEAR

60 ECTS

Chemistry	6	Electronic Circuits	6
Differential Equations	6	Biochemistry	4
Electronic Technology	6	Biomaterials and	4
Business Administration	6	Biocompatibility	
Ethics II	2	Pathway (Data Analytics,	4
Data Analysis	4	Computer Science, Making	
Fundamental Biology	6	and Hacking, Sustainable	
Mechanics	6	Engineering)	

## THIRD YEAR

60 ECTS

Signal Processing	6	Anatomy and Physiology	6
Automatic Control	4	Internship in Biomedicine	4
Transport Phenomena	4	Biological Techniques II	6
Computational Biology	4	Genomics and Proteomics	4
Biological Techniques	6	Ethics III	2
Design of Biomedical	4	Cultural Keys II	2
Prototypes		Challenge of the Pathway	6
Cultural Keys I	2		

## FOURTH YEAR

60 ECTS

Biomedical Instrumentation	6	Applied Biomedical	4
Clinical Engineering and	4	Instrumentation	
Regulatory Legislation		Implantable Biomedical	4
Biomechanics & Biorobotics	6	Systems	
Optical Techniques in	6	Data Analysis in Medicine	4
Biomedicine		Advanced Microbiotechno-	4
Microbiotechnology and	4	logy and Nanobiotechnology	
Nanobiotechnology		Bioethics	2
Tissue Engineering	4	Final Year Project	12

4<sup>Y</sup>  
240<sup>ECTS</sup>

## LOCATION

San Sebastián  
Campus

## LANGUAGE

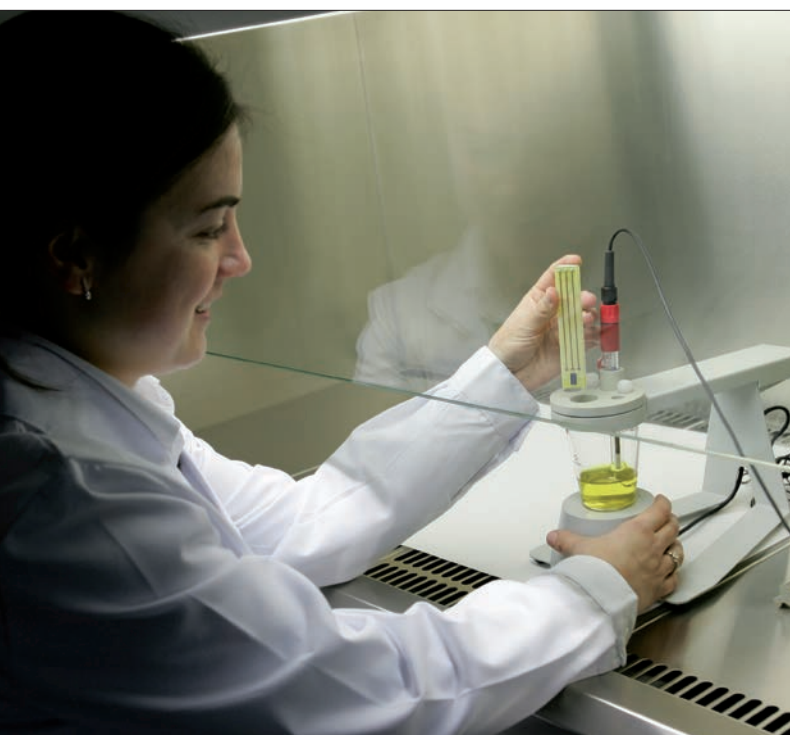
Bilingual  
Spanish / English



Find out more about the degree by scanning the QR code or visiting [en.unav.edu/web/degree-in-biomedical-engineering](http://en.unav.edu/web/degree-in-biomedical-engineering)



The student has the possibility to participate in cutting-edge research projects with CEIT (Centro de programas of study e Investigaciones Técnicas), with CIMA (research center Médica Aplicada) and with Clínica Universidad de Navarra.



# DEGREE *in* *Industrial* ORGANIZATION ENGINEERING

As a graduate of the Degree in Industrial Organization Engineering, you'll be equipped with a wide range of scientific, technological and management skills that will enable you to design and improve production and operating processes, thanks to knowledge of information systems, operational research, organization, data analysis, people management and more.



4Y  
240<sup>ECTS</sup>

LOCATION

San Sebastián  
Campus

LANGUAGE

Bilingual  
Spanish / English



Find out more about the degree by scanning the QR code or visiting [en.unav.edu/web/degree-in-industrial-organisation-engineering](http://en.unav.edu/web/degree-in-industrial-organisation-engineering)

FIRST YEAR		60 ECTS	
Calculus	6	Calculus II	6
Algebra	6	Physics II	6
Physics	8	Economics and Business	6
Information Technology	6	Administration	
Anthropology	2	Statistics and Probability	6
Introduction to Engineering	2	Anthropology II	4
		Ethics	2

SECOND YEAR		60 ECTS	
Chemistry	6	Thermodynamics	6
Electronic Technology	6	Environmental Technology	4
Business Administration	6	Operations Research	6
Differential Equations	6	Digital Technology	4
Ethics II	2	Pathway (Data Analytics,	4
Data Analysis	4	Computer Science, Making	
Graphic Expression	6	and Hacking, Sustainable	
		Engineering)	

THIRD YEAR		60 ECTS	
Industrial Automation	4	Logistics	4
Materials Engineering	4	Software Engineering	4
Information Technology	4	Design and Control of	6
Optimization Techniques	6	Production Systems	
Production Planning and	6	Financial Management	6
Management		Ethics III	2
Process Improvement	4	Cultural Keys II	2
Cultural Keys I	2	Challenge of the Pathway	6

FOURTH YEAR		75 ECTS	
Modeling and Simulation	4	People Management	6
Manufacturing Technology	6	Sustainable Strategic	4
Energy Policies Commercial	4	Management	
Management Business	6	Innovation and	4
Information Systems	6	Entrepreneurship	
Quality and Management	4	Projects	4
Systems		Final Year Project	12



## SPECIALIZATIONS

## Industrial Organization Engineering + Intl. Industrial Management Program

The International Industrial Management Program supplements the studies in the Degree in Industrial Organization Engineering, while enhancing its international approach. It will give you the skills to work in international environments.

International trade continues to grow in all countries, and industrial organization engineers are required to know the pros and cons of different internationalization strategies and how having different production plants or delegations in other countries can affect people management.



[en.unav.edu/web/degree-in-industrial-organisation-engineering/grado-en-ingenieria-organizacion-industrial-international-industrial-management-program](https://en.unav.edu/web/degree-in-industrial-organisation-engineering/grado-en-ingenieria-organizacion-industrial-international-industrial-management-program)



When applying to the Industrial Organization Engineering degree at Tecnun School of Engineering, you must mention that you are interested in pursuing the International Industrial Management Program and we'll send you all information about the program.

# DEGREE *in* *Industrial* DESIGN ENGINEERING *and Product* DEVELOPMENT

Completing the Degree in Industrial Design Engineering and Product Development will enable you to participate in product design, redesign and restyling, always based on a holistic approach known as concept design.

**FIRST YEAR****60 ECTS**

Calculus	6	Calculus II	6
Algebra	6	Physics II	6
Physics	8	Economics and Business	6
Information Technology	6	Administration	
Anthropology	2	Statistics and Probability	6
Introduction to Engineering	2	Anthropology II	4
		Ethics	2

**SECOND YEAR****60 ECTS**

Chemistry	6	Environmental Technology	6
Artistic Expression	6	History of Design	4
Design Methodology	6	Graphic Expression	6
Ethics II	6	Design Workshop	6
Business Administration	4	Pathway (Data Analytics, Computer Science, Making and Hacking, Sustainable Engineering)	3
Data Analysis Mechanics	6		

**THIRD YEAR****60 ECTS**

Design Management	2	Fluid Mechanics	6
Materials Engineering	4	Theory of Machines	4
Materials Resistance	4	Experimental Validation	4
Ergonomics	4	Techniques	
CAD/CAM	6	Design Workshop II	6
Prototypes Design and Creativity	4	Ethics III	2
Techniques Cultural	4	Cultural Keys II	2
Keys I	2	Challenge of the Pathway	6

**FOURTH YEAR****60 ECTS**

Materials Engineering II	4	Manufacturing Technology	6
Industrial Automation	4	Ecodesign	4
Quality and Management	4	Design Management	2
Systems		Design Workshop III	6
Pneumatics and Oil	4	People Management	6
Hydraulics		Projects	4
Modelling and Simulation	4	Final Year Project	12
Techniques			

4<sup>Y</sup>  
240<sup>ECTS</sup>

**LOCATION**

**San Sebastián**  
**Campus**

**LANGUAGE**

**Bilingual**  
**Spanish / English**



Find out more about the degree by scanning the QR code or visiting [en.unav.edu/web/degree-in-engineering-in-industrial-design-and-development-of-products](http://en.unav.edu/web/degree-in-engineering-in-industrial-design-and-development-of-products)

## SPECIALIZATIONS

## Industrial Design Engineering + Global Industrial Design Engineering Program

This program was created as a result of the major opportunities for innovation arising from the current globalization of the economy and accelerated technological progress.

Those who use new technologies creatively to design new products and services that help improve people's quality of life will be the first to achieve success.



[en.unav.edu/web/degree-in-engineering-in-industrial-design-and-development-of-products/much-more-than-a-degree/grado-en-ingenieria-en-diseno-industrial-global-industrial-design-engineering-program](https://en.unav.edu/web/degree-in-engineering-in-industrial-design-and-development-of-products/much-more-than-a-degree/grado-en-ingenieria-en-diseno-industrial-global-industrial-design-engineering-program)

## \*

The program consists of a series of activities included in the various years of the degree and completion of the Final Year Project abroad.



# DEGREE *in* TELECOMMUNICATI ON *Systems* ENGINEERING

We live in the information society, in which communication and information technologies play a key role.

Telecommunication Systems Engineering graduates will be able to design, manage and improve new communication systems.

**FIRST YEAR****60 ECTS**

Calculus	6	Object-Oriented Programming	6
Algebra	6	Economics and Business Administration	6
Physics	8	Statistic and Probability	6
Information Technology	6	Anthropology II	4
Anthropology	4	Ethics	2
Introduction to Engineering	2		
Calculus II	6		

**SECOND YEAR****60 ECTS**

Computer Fundamentals	6	Signals and Systems	4
Differential Equations	6	Electronic Circuits	6
Data Processing	6	Physics and Mathematics	6
Electronic Technology	6	Machine Learning	6
Ethics II	2	Pathway (Data Analytics, Computer Science, Making and Hacking, Sustainable Engineering)	4
Data Analysis	4		
Electromagnetic Fields	4		

4Y  
240<sup>ECTS</sup>



Find out more about the degree by scanning the QR code or visiting [en.unav.edu/web/degree-in-telecommunication-systems-engineering](http://en.unav.edu/web/degree-in-telecommunication-systems-engineering)

**LOCATION**

**San Sebastián  
Campus**

**LANGUAGE**

**Bilingual  
Spanish / English**

**THIRD YEAR****60 ECTS**

Network Theory	6	Communications-Electronics Methods	4
Transmission Systems	4	Ethics III	2
Electronic Design	6	Cultural Keys II	2
Telecommunication Networks	6	Antennae	4
Microprocessors	4	Coding and Information Theory	6
Network Project Cultural Keys I	2	Antenna Project	2
Data Transmission	4	Challenge of the Pathway	6

**FOURTH YEAR****60 ECTS**

Cybersecurity	4	Multimedia	2
Software Development	6	Telecommunication Systems	
Telematics Systems Cloud Computing and Big Data IoT	8	Projects	4
State-of-the-Art Wireless Networks	6	Multimedia Processing	6
	4	Communication Project	2
		Final Year Project	12

# DEGREE *in* *Artificial* INTELLIGENCE ENGINEERING

The Degree in Artificial Intelligence Engineering trains students to become professionals with the skills they need to design and develop intelligent systems with autonomous learning capacity and the ability to process and visualize large amounts of data and offer robust predictive models.

4Y  
240<sup>ECTS</sup>

## LOCATION

San Sebastián  
Campus

## LANGUAGE

Bilingual  
Spanish / English



Find out more about the degree by scanning the QR code or visiting [en.unav.edu/web/grado-en-ingenieria-en-inteligencia-artificial](http://en.unav.edu/web/grado-en-ingenieria-en-inteligencia-artificial)



We prepare students to face the new challenges posed by the growing demand for solutions (storing, structuring, processing, analyzing, modeling and visualizing massive amounts of data) to solve complex problems in multidisciplinary teams and environments.

FIRST YEAR60 ECTS

Calculus	6	Object-Oriented Programming	6
Algebra	6	Economics and Business	6
Physics I	8	Administration	6
Information Technology	6	Statistic and Probability	6
Anthropology	2	Anthropology II	4
Introduction to Engineering	2	Ethics	2
Calculus II	6		

SECOND YEAR60 ECTS

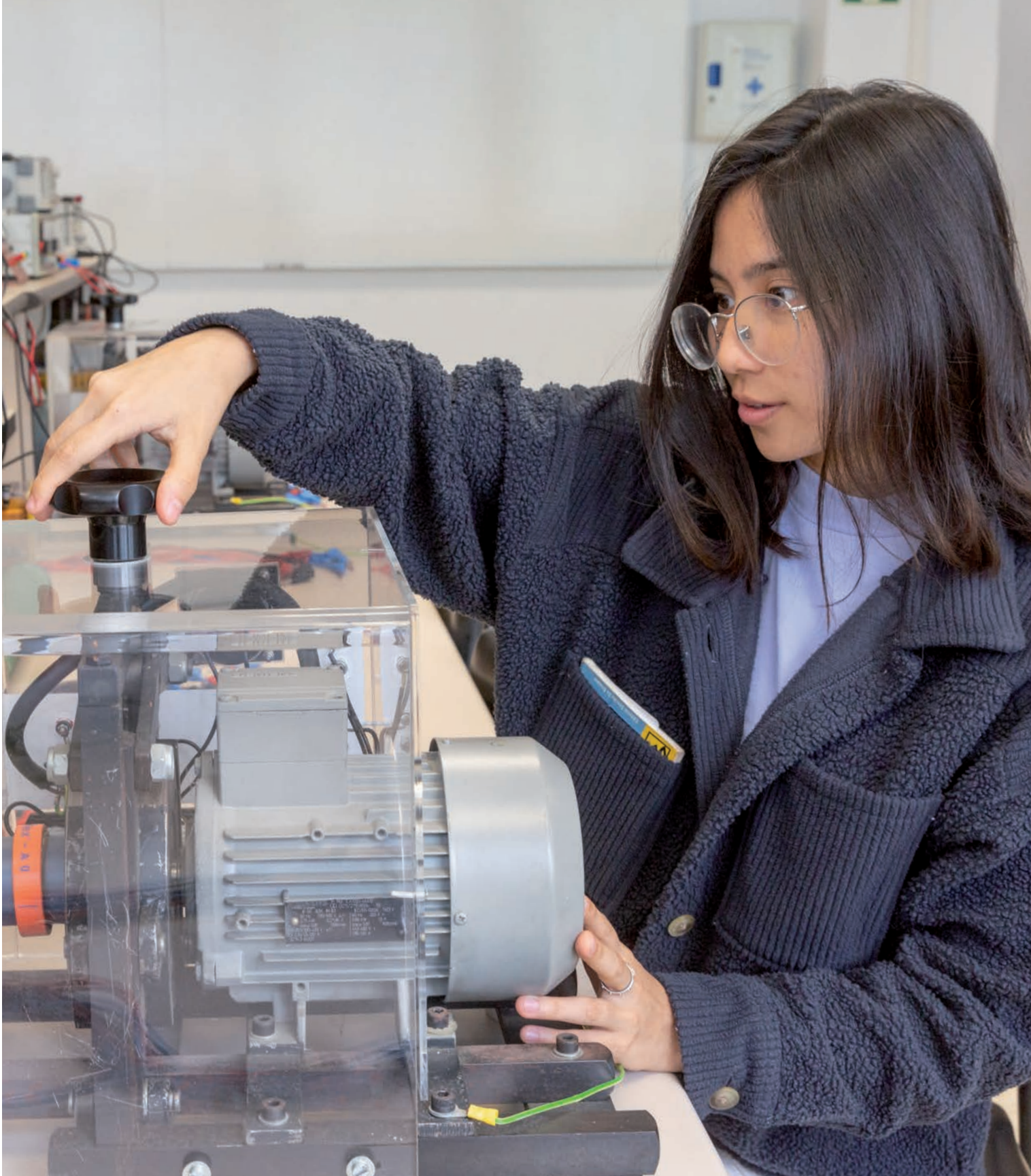
Computer Fundamentals	6	Computational Mathematics	6
Data Processing	6	Data Visualization	4
Electronic Technology	6	Machine Learning 6	6
Differential Equations	6	Optimization Techniques	6
Ethics II	2	Pathway (Data Analytics, Computer Science, Making and Hacking, Sustainable Engineering)	4
Data Analysis	4		
Data Structure and Algorithms	4		

THIRD YEAR60 ECTS

Information Technology	4	Coding and Information Theory	6
Deep Learning	6	Data Engineering	4
Microprocessors	4	Human-Machine Interaction	4
Automatic Control	4	Ethics III	2
Computer Vision I	4	Cultural Keys II	2
Cultural Keys I	2	Challenge of the Pathway	6
Big Data & Cloud Computing	6		
Machine Learning II	6		

FOURTH YEAR60 ECTS

IoT – Intelligent Agents	6	Natural Language Processing	4
Software Engineering	6	Intelligent Environments	4
Cybersecurity	4	Foundation Models	6
Intelligent Robotics	6	Computer Vision II Projects	4
High Performance Computing	4	Final Year Project	12



Our goal is to ensure that our students become professionals committed to society and its current problems. They will be service-minded engineers with a passion for continuous improvement on a personal and professional level, capable of making decisions with responsibility and underpinned by professional ethics.



# DEGREE *in* INDUSTRIAL *Technologies* ENGINEERING



Graduate with the most versatile engineering knowledge and pave the way to your professional future.

This degree offers the most general training of all the specialties. The degree is similar to that of mechatronics, so you'll acquire knowledge of mechanics, electricity, electronics, industrial installations, electrical installations and more.

You'll acquire multidisciplinary scientific, technological and management training to give you a technical, strategic and operational perspective and thus ensure that the value chain is oriented toward maximum quality.

<u>FIRST YEAR</u>		<u>60 ECTS</u>	
Calculus	6	Calculus II	6
Algebra	6	Physics II	6
Physics I	8	Economics and Business	6
Information Technology	6	Administration	
Anthropology	2	Statistics and Probability	6
Introduction to Engineering	2	Anthropology II	4
		Ethics	2

<u>SECOND YEAR</u>		<u>60 ECTS</u>	
Chemistry	6	Thermodynamics	6
Electronic Technology	6	Electrical Engineering	4
Business Administration	6	Environmental Technology	4
Differential Equations	6	Environment	
Ethics II	2	Pathway (Data Analytics, Computer Science, Making and Hacking, Sustainable Engineering)	4
Data Analysis	4		
Mechanics	6		
Graphic Expression	6		

<u>THIRD YEAR</u>		<u>60 ECTS</u>	
Materials Engineering	4	Fluid Mechanics	6
Materials Resistance	4	Measurement and	6
Automatic Control	4	Instrumentation Systems	
Heat Transfer Electrical	6	Materials Resistance II	4
Systems Information	6	Ethics II	2
Technology II	4	Cultural Keys II	2
Cultural Keys I	2	Challenge of the Pathway	6
Machine Theory	4		

<u>FOURTH YEAR</u>		<u>60 ECTS</u>	
Materials Engineering II	4	Projects	4
Energy Technology	4	Production and Operations	6
Modeling and Simulation	4	Management	
Techniques		Machine Parts	4
Manufacturing Technology	6	Power Electronics	4
Industrial Constructions	6	Final Year Project	12
Electrical Technology	6		

4<sup>Y</sup>  
240<sup>ECTS</sup>

LOCATION

San Sebastián  
Campus

LANGUAGE

Bilingual  
Spanish / English



Find out more about the degree by scanning the QR code or visiting [en.unav.edu/web/degree-in-industrial-technologies-engineering](http://en.unav.edu/web/degree-in-industrial-technologies-engineering)

# 12 schools + THAN 90 DEGREES

## SOCIAL SCIENCES AREA

### SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

- Philosophy
- Philosophy, Politics and Economics\* - PPE
- History
- History + Diploma in Archeology
- Spanish Language and Literature
- Spanish Language and Literature + Creative Writing

### ISSA - SCHOOL OF APPLIED MANAGEMENT

- Applied Management\*

### SCHOOL OF ECONOMICS AND BUSINESS

- Economics + Leadership and Governance\*
- Economics + Data Analytics\*
- Economics + International Economics and Finance\*
- Business Administration and Management + General Management and Strategy\*
- Business Administration and Management + Data Analytics\*
- Business Administration and Management + Finance and Accounting\*
- Business Administration and Management + Innovation and Entrepreneurship\*
- Business Administration and Management + General Management + Strategy
- Double Degree in Economics / Law\*
- Double Degree in Business Administration and Management / Law\*
- Double Degree in Business Administration and Management / Law

### SCHOOL OF LAW

- Law
- Law + Global Law Program\*
- Law + International Business Law Program\*
- Law + Anglo American Law Program\*
- Law + Diploma in Financial Law
- International Relations\*
- International Relations\* + Global Business & Economic Affairs
- International Relations\* + Geopolitics & Diplomacy
- Double Degree in International Relations\*/ Law
- Double Degree in Law / Philosophy
- Double Degree in International Relations\*/ History

### SCHOOL OF COMMUNICATION

- Journalism
- Journalism + Global Journalism\*

- Journalism + International Program in Fashion Communication
- Marketing\*
- Marketing\* + Creative Communication Program
- Marketing\* + Corporate Communication Program
- Marketing\* + Fashion Communication Program
- Audiovisual Communication
- Audiovisual Communication + Screen Studies Program\*
- Audiovisual Communication + Performing Arts Production Program
- Double Degree in History / Journalism
- Double Degree in Philosophy / Journalism

### SCHOOL OF EDUCATION AND PSYCHOLOGY

- Early Childhood Education
- Primary Childhood Education
- Early Childhood Education + IB International Education Certificate
- Primary Childhood Education + IB International Education Certificate
- Education
- Education + IB International Education Certificate
- Double Degree in Education / Early Childhood Education
- Double Degree in Education / Primary Childhood Education
- Psychology

## TECHNICAL SCIENCES AREA

### SCHOOL OF ENGINEERING

- Industrial Electronics Engineering
- Electrical Engineering
- Mechanical Engineering
- Biomedical Engineering
- Industrial Organization Engineering
- Industrial Organization Engineering + Intl. Industrial Management Program
- Industrial Design Engineering and Product Development
- Industrial Design Engineering and Product Development + Global Industrial Design Engineering Program
- Telecommunication Systems Engineering
- Industrial Technology Engineering
- Artificial Intelligence Engineering

### SCHOOL OF ARCHITECTURE

- Studies in Architecture
- Design\*

## BIO-HEALTH AREA

### SCHOOL OF SCIENCES

- Biology
- Biology + International Science Program\*
- Biology + Science & Business Program\*
- Chemistry
- Chemistry + International Science Program\*
- Chemistry + Science & Business Program\*
- Biochemistry
- Biochemistry + International Science Program\*
- Biochemistry + Science and Business Program\*
- Environmental Sciences\*
- Environmental Sciences + International Science Program\*
- Double Degree in Biology / Environmental Sciences\*
- Double Degree in Biology / Environmental Sciences + International Science Program\*
- Double Degree in Chemistry / Biochemistry
- Double Degree in Chemistry / Biochemistry + International Science Program\*

### SCHOOL OF NURSING

- Nursing
- Nursing + International Nursing Program\*
- Nursing + Diploma in Palliative Care
- Nursing + Diploma in Psychology of Care

### SCHOOL OF PHARMACY AND NUTRITION

- Pharmacy
- Pharmacy + International Pharmaceutical Certificate\*
- Human Nutrition and Dietetics
- Human Nutrition and Dietetics + Clinical Nutrition
- Human Nutrition and Dietetics + Nutrition in Industry
- Human Nutrition and Dietetics + Sports Nutrition
- Human Nutrition and Dietetics + International Nutrition Certificate\*
- Double Degree in Pharmacy / Human Nutrition and Dietetics

### SCHOOL OF MEDICINE

- Medicine
- Medicine + International Program\*

## OTHER STUDY PROGRAMS

- International Foundation Semester Program
- International Foundation Program

\*Bilingual Degree

# HOW *can we* HELP YOU?

## ADMISSION DEADLINES

<u>DEADLINE</u>	<u>GPA</u>	<u>ENTRANCE EXAMINATION</u>	<u>DECISION</u>	<u>ENROLLMENT</u>
<b>Dec. 9</b> Medicine only for international students	Spanish: 7 or higher. Intl: Medicine: 7 or higher. Others: not required.	<b>Dec. 14</b>	January 21	Until 24 Feb. to reserve a place.
<b>March 3</b> All undergraduate degree programs	Medicine: 7 or higher. Others: not required.	<b>March 15</b>	April 9	Until May 31.
<b>May 12</b> Only for degrees with places	Not required.	<b>May 17</b>	June 4	Until June 27.
<b>June, July and August</b> Only for degrees with places	Not required.	<b>Thursday</b> From June 5 until places filled	The following Thursday	One week after the decision.

## USEFUL LINKS

WHAT DO YOU WANT TO STUDY?

[Request information](https://en.unav.edu/solicita-informacion)



[en.unav.edu/solicita-informacion](https://en.unav.edu/solicita-informacion)

ACADEMIC MANAGEMENT AND PROCEDURES

[Apply for admission on the miUNAV portal](https://miportal.unav.edu/apex/AR_Login?lang=EN)



[miportal.unav.edu/apex/AR\\_Login?lang=EN](https://miportal.unav.edu/apex/AR_Login?lang=EN)

GENERAL INFORMATION

[Everything you need to know about UNAV](https://en.unav.edu/web/deadlines)



[en.unav.edu/web/deadlines](https://en.unav.edu/web/deadlines)

+ CONTACT  
miUNAV



The *miUNAV* portal has everything you need to know about your admission process.

+ VISIT US  
Open Day

Come spend a day on campus and live the university experience at our Open Day.

Pamplona/  
San Sebastián – Donostia

- November 16, 2024
- February 22, 2025

Navarra

- October 19, 2024

Madrid

- February 15, 2025

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