

# History of the university in Galicia

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## Political background

Following the introduction of the new [Spanish Constitution of 1978](#) and the arrival of [democracy](#), the newly elected president of [Spain](#), [Felipe Gonzalez Marquez](#), leader of the [Spanish Socialist Worker's Party](#) (PSOE), introduced legislation from [Madrid](#) to transform the hitherto centralized Spanish State into an amalgamation of [autonomous regions](#) with different degrees of self-administration.

The northwestern corner of the Iberian Peninsula was thus raised to the status of autonomous region, and the Spanish language had thereafter to co-exist with the new official language: Galician. A new parliament and a new government were created in Galicia for its people. And from the Galician capital, Santiago de Compostela, the newly created [Galician Parliament](#) would bring new legislation for the autonomous community. And it was in this set of circumstances that the university map in Galicia was transformed.

## From one university to many

Galicia's first university, the [University of Santiago de Compostela](#), was created in 1495. This was the only university in Galicia had no other university until the early 1980s, when two satellite campuses of the [University of Santiago de Compostela](#) were created in [A Coruña](#) and [Vigo](#).

Before that, the only other institution in Galicia with the power to grant degrees was the [School of Naval and Industrial Engineers](#) of [Ferrol](#), which was created by a ministerial order under the initiative of General [Francisco Franco](#) in the early 1960s. This school was directly dependent on the Ministry of Education in [Madrid](#), although in 1992 it was amalgamated with the University of A Coruña.

In the late 1980s, the two university campuses of [A Coruña](#) and [Vigo](#), which were created as dependent on the [University of Santiago de Compostela](#), became fully independent universities, being able for the first time to issue their own official university degree titles.

## From the 1990s to the present

As of the early 1990s, Galicia had three universities, each of them with its own satellite campuses. These were the [University of Santiago de Compostela](#) with two university campuses, one in [Santiago de Compostela](#) and the other in [Lugo](#); the [University of A Coruña](#) with two university campuses, one in [A Coruña](#) and the other in [Ferrol](#); and the University of Vigo with three university campuses, one in [Pontevedra](#), one in [Ourense](#), and one in [Vigo](#).

## Campus of Vigo (Lagoas Marcosende, 15 kilometres away from Vigo) - CUVI

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- [School of Industrial Engineering](#)
- [School of Mining Engineering](#)
- [Faculty of Philology, Translation and Interpretation.](#)
- [Faculty of Juridic and Labour Sciences.](#)
- [Faculty of Economy, Business and Management Sciences.](#)
- [Superior Technical School of Mining Engineering.](#)
- [Superior Technical School of Telecommunication Engineering.](#)
- [Faculty of Biology.](#)
- Faculty of Marine Science.
- [Faculty of Chemistry.](#)

- [Center of Technological and Scientific Support for Investigation.](#)

Downtown:

- [School of Industrial Engineering](#)
- School of Nursing (at Hospital of Meixoeiro or at Povisa Policlinic Center).
- [School of Business Studies.](#)
- School of Teaching for Primary Education.

## Campus of Pontevedra (downtown)

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- School of Nursing.
- [School of Forest\(ry\) Engineering.](#)
- [Faculty of Physiotherapy.](#)
- [Faculty of Fine Arts.](#)
- [Faculty of Education Sciences.](#)
- [Faculty of Social, Media and Communication Sciences.](#)

## Campus of Ourense (downtown)

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- [School of Computer Engineering.](#)
- School of Nursing.
- [Faculty of Sciences.](#)
- [Faculty of Education Sciences.](#)
- [Faculty of Business and Tourism Studies.](#)
- [Faculty of History.](#)
- [Faculty of Law.](#)

**Industrial engineering** is an engineering profession that is concerned with the optimization of complex [processes](#), [systems](#), or [organizations](#) by developing, improving and implementing integrated systems of people, money, knowledge, information and equipment.

Industrial engineers use specialized [knowledge](#) and [skills](#) in the mathematical, physical and [social sciences](#), together with the [principles](#) and methods of [engineering analysis](#) and design, to specify, predict, and evaluate the results obtained from systems and processes.<sup>[1]</sup> From these results, they are able to create new [systems](#), processes or situations for the useful coordination of [labour](#), [materials](#) and [machines](#) and also improve the [quality](#) and [productivity](#) of systems, physical or social.<sup>[2][3]</sup> Depending on the sub-specialties involved, industrial engineering may also overlap with, [operations research](#), [systems engineering](#), [manufacturing engineering](#), [production engineering](#), [supply chain engineering](#), [management science](#), management engineering, [financial engineering](#), [ergonomics](#) or [human factors engineering](#), [safety engineering](#), [logistics engineering](#) or others, depending on the viewpoint or motives of the user.

**School of Industrial Engineering** <https://eei.uvigo.es/en/school/the-school/>

The **School of Industrial Engineering** is a center of the [University of Vigo](#) where industrial engineering studies are taught. It is established in two locations, one in the city center of Vigo and another one on the campus of Vigo.

## History

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The School of Industrial Engineering arises from the integration of the two facilities of the [University of Vigo](#) within the industrial engineering field: the *School of Technical Industrial Engineering* and *Superior Technical School of Industrial Engineers*.

The *School of Industrial Engineering of Vigo* was founded more than 110 years ago. Since its creation in 1901 several name and curriculum changes underwent: it was born with the *Industry Collegen* name, later it was renamed to *School of Industrial Experts* with the degrees of industrial experts in mechanics, industrial chemistry and electricity. In 1971, it became the *School of Industrial Engineering* with the academic title of *Industrial Engineering*, with specialties in Mechanical, Electrical and Industrial Chemistry, and with a studies duration of three years. In 1988, the specialty of Industrial Electronics and Automation joined. In 2000, the Industrial Engineering specialty Electricity (two escalations) of specialty Industrial Mechanical Engineering (four intensifications) of Industrial Engineering Industrial Chemistry (two escalations) and Engineering Industrial Electronics Industrial technical specialty (two escalations) were implemented in the curricula.

The *School of Industrial Engineering of Vigo* was started in 1976 with the specialties of Electronics and Automatics, with a degree duration of six years. Subsequently, provision was expanded with the specialties of Industrial Organization, Electrical and Mechanical. During 2001 curriculum were modified and it was transformed to a five-year academic degree with intensifications of Mechanics, Construction and Facilities, Industrial Design & Manufacturing, Electricity and Automation and Electronics. In addition, the School implanted two second-cycle degrees: Industrial Engineering and Engineering in Automation and Industrial Electronics.

In October 2009, both schools began the process of convergence in a single center in order to improve and integrate the management and the degrees academic activities. In April 2010, the creation of the School of Industrial Engineering was approved by the Governing Council of the University of Vigo. Finally, in February 2011, removal of the old schools and the creation of the new school is published in the *Diario Oficial de Galicia*. <sup>[1]</sup>

In 2010–2011 academic year the new curriculum adapted to the [European Higher Education Area](#) began teaching. With more than 4,000 students enrolled and 350 teachers it is one of biggest schools in the Galician university system.

The School of Industrial Engineering of the University of Vigo emerged from the combination into a single institution of the Higher Technical School of Industrial Engineers (Escuela Técnica Superior de Ingenieros Industriales, ETSII) and the University School of Industrial Technical Engineering (Escuela Universitaria de Ingeniería Técnica Industrial, EUITI), both devoted to university education in the field of industrial engineering.

As a teaching institution, it is responsible for the administrative management and organization of the university courses leading to the following academic degrees:

- [Degree in Industrial Technologies Engineering](#)
- [Degree in Industrial Organization Engineering](#)
- [Degree in Electrical Engineering](#)
- [Degree in Mechanical Engineering](#)
- [Degree in Industrial Electronics and Automation Engineering](#)
- [Degree in Industrial Chemistry Engineering](#)
- [Degree in Biomedical Engineering](#)
- [Double degree in Industrial Electronics & Automation Engineering and Mechanical Engineering](#)

- Double degree in Biomedical Engineering and Industrial Electronics & Automation Engineering
- Double degree in Biomedical Engineering and Mechanical Engineering
- Master in Industrial Engineering
- Master in Automotive Engineering
- Master in Mecatronics
- Master in Labor Risk Prevention
- Master in in Industry 4.0
- Master in Supply Chain Management and Innovation
- Master in Energy and Sustainability (Master studies not offered in academic year 2020/21)

At the present time, both institutions combined bring together approximately just over 4,000 registered students and 350 faculty members from 15 different departments. They occupy 3 buildings and a total built area of almost 60,000 m<sup>2</sup>, divided into two different locations:

- **The City Facilities (Sede Ciudad)**, which include the buildings and facilities of the old EUETI. They are located in Conde de Torrecedeira Street in the city of Vigo.
- **The Campus Facilities (Sede Campus)**, which include the buildings and facilities of the old ETSEI. They are located in the Lagoas-Marcosende University Campus.

## DEPARTMENTS OF THE SCHOOL OF INDUSTRIAL ENGINEERING

### Technological Area Departments

- T01 – Design in Engineering
- T02 – Electrical Engineering
- T03 – Mechanical Engineering, Heat Engines & Machines, and Fluids
- T04 – Chemical Engineering
- T05 – Materials Engineering, Applied Mechanics and Construction
- T06 – Natural Resources and Environment Engineering
- T07 – Systems Engineering and Automatism
- T08 – Applied Physics
- T11 – Electronics Technology
- T15 – Computer Sciences
- T16 – Applied Mathematics I
- T17 – Applied Mathematics II

### Scientific Area Departments

- C07 – Analytical and Food Chemistry
- C09 – Inorganic Chemistry
- C11 – Physical Chemistry
- C12 – Organic Chemistry

## **Legal-social Area Departments**

- X09 – Business Organisation and Marketing

## **Humanities Area Departments**

- H04 – English, French and German Philology

## **VISION OF THE SCHOOL OF INDUSTRIAL ENGINEERING**

We are a university community composed of students, administrative and services staff, and faculty, all clearly committed to the quality of the service provided by the School of Industrial Engineering (Escuela de Ingeniería Industrial, EEI).

The EEI is an institution that, while open to the world, has become a national reference point and achieved international recognition due to its strong academic offer, adapted to the needs of the business environment, and to its technological research, which is the driving force behind innovation, as it provides far-reaching practical solutions for the country's development.

The institution has significantly improved its processes, increasing its capacity for self-financing and optimizing the use of its resources.