

educació formació professional

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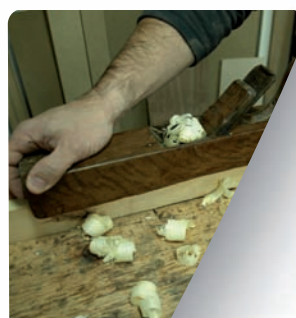
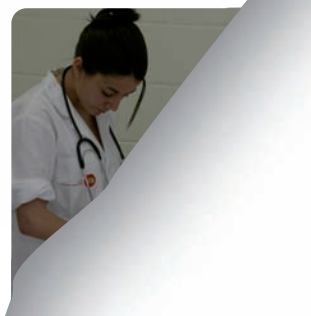
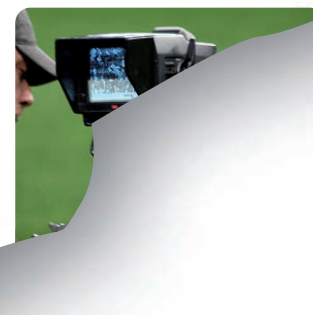
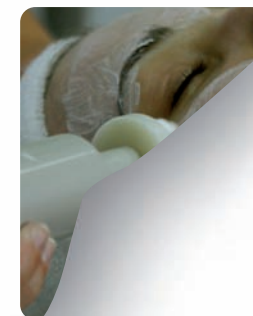
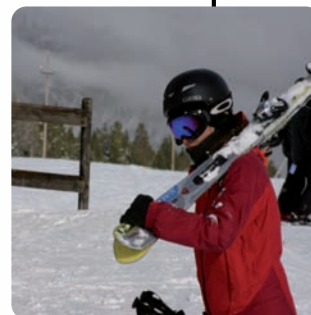
Generalitat de Catalunya
Departament d'Educació



New vocational training

The reform and promotion of vocational training constitutes one of the Catalan government's primary commitments. The provision of such studies is increasing at an accelerated rate and has spread to a wide range of fields, including design, technological innovation, infant and nursery education, dependent care, tourism, sport, IT, electronics, chemistry, communication and much more. We work in tandem with companies to adapt the training provided and give impetus to new training programmes, to continue upgrading the qualifications of individuals and afford them opportunities thanks to the exceptional rates of integration into the labour market subsequent to vocational training. The innovation and flexibility approaches adopted in Catalonia constitute a new form of vocational training which, among manifold possibilities, allow studies to be alternated with a remunerated position, access to university with greater guarantees of success, distance education by means of e-learning, blended learning, as well as acknowledgement and accreditation of learning derived from work experience. Moreover, associations with programmes for initial professional qualification, training in the plastic arts and design, advanced artistic and sports training, comprise a network of vocational education that constitute our finest asset so that individuals and companies have a real system of continuing professional development.

Ernest Maragall i Mira
Catalan Minister of Education



A land of professionals

VET, the answer to new professions

Catalonia, a company for one and all



From training institutes to vocational training

VET in Catalonia has always been linked to economic and social development

The incorporation of innovative technologies and the creation of new trades in various sectors have always generated the need to train professionals with the requisite technical skills, creating new centres and new specialisations and programmes.

The Hospital del Santo Espíritu was established in 1646, dedicated to the instruction of mechanical arts; La Llotja School of Fine Arts in 1775; the Ondara School of Art and Design in 1777 in Tàrraga; and the Barcelona Nautical School in 1779.

In 1886, Barcelona Provincial Council founded the Provincial School of Arts and Trades in the complex of the Industrial University, the precedent of the future training institutes, which constituted an important benchmark model that has contributed to training thousands of professionals required by the growing industry in Catalonia.

Vocational training has evolved over time, adapting to new needs, creating new centres, new specialisations and programmes. At present, vocational training is incorporated by more than 400 centres, a solid platform for facing the new challenges of a society in constant evolution.

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Catalonia, the cradle of companies: from tradition to future prospects

Although Catalonia has few raw materials and natural resources, it has always been a place with an enterprising spirit and a fertile terrain for the creation of businesses. Therefore, the key factors that have marked its growth include initiative, technological innovation, and above all, human resources.

Every year, new companies are set up in Catalonia, some of which engage in activities of long-standing tradition and others in new sectors based on new ideas. Such initiatives increasingly call for employees with the training and capacity to adapt to continuous innovation marked by market trends.

The fact that Catalonia has a recognised vocational training system has proven to be a decisive factor in attracting investment, and constitutes a guarantee for companies that value training as a key differentiating factor for their competitiveness.

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Why study in Catalonia

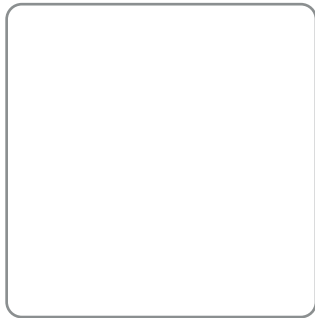
Catalonia values vocational training as a key asset that is to guarantee the competitiveness of its companies and high levels of welfare for its citizens

Catalonia is a land with a dense and diversified production network, including benchmark companies on the global market. The implication of said premises in the training process gives rise to new professional profiles, greater preparation, and decidedly contributes to the advancement of the companies themselves, while achieving greater personal development.

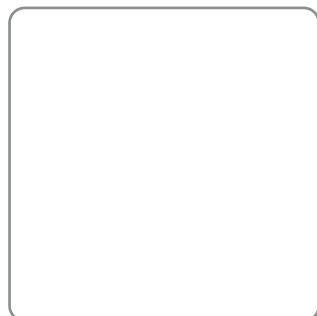
Guarantee of quality in vocational training

Plan for Quality and Continuous Improvement in Vocational Training (PQiMC)

Ten years ago, educational centres with vocational training voluntarily took part in the Plan for Quality and Continuous Improvement (Projecte de Qualitat i Millora Contínua – PQiMC) which aims to design, implement and continuously improve a management system based on the principles of quality and seeks to achieve excellence in performance and to earn the trust of the student body, families and companies. Currently, 88 public centres throughout Catalonia take part in this project, 48 of which have an accredited system of management in place, based on the standard ISO 9001:2008, among which five have been assessed with the European EFQM excellence model, by means of the Catalan model of excellence in the educational system, e2cat.



Pursuing vocational training in Catalonia means belonging to a recognised and internationally esteemed system which affords added value to training. It means studying with an educational model that favours the alternance of studies with work experience in companies, which provide traineeships as a key instrument of training itself. Vocational training centres have a group of qualified teaching staff connected with the professional world, which allows students to be trained according to the realities of the market.





The goals as beneficiary in the entire VET process

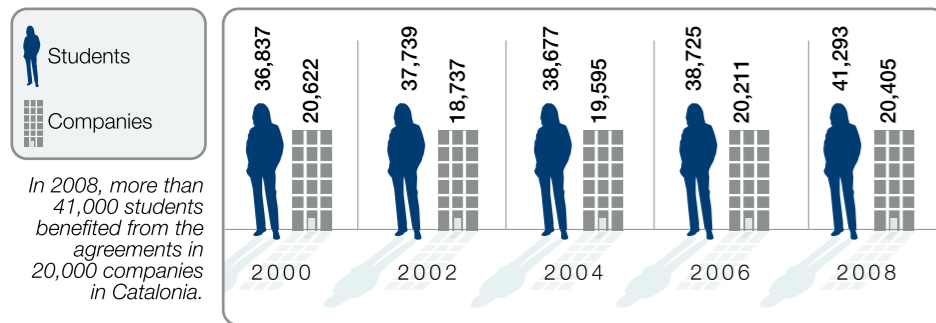
The integration of qualified professionals in companies

The collaboration agreements between training centres and companies aim to:

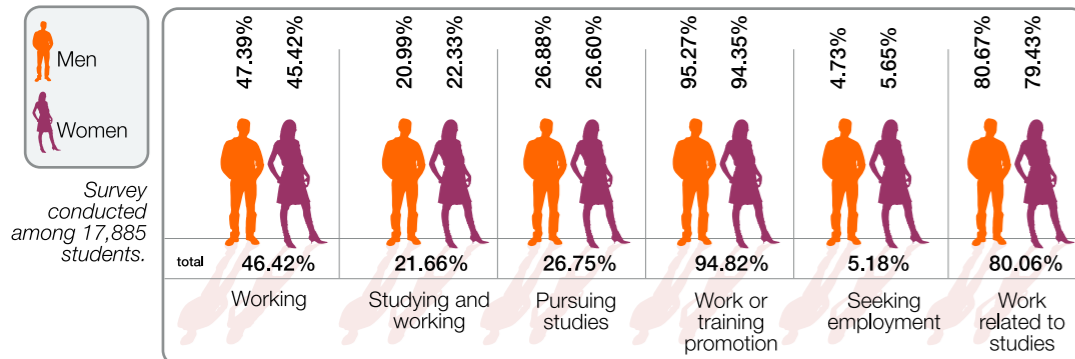
- Achieve complete immersion in the corporate world.
- Access the latest generation technologies.
- Experience the reality of the world of work by means of a placement.
- Enhance employability by means of acquiring experience.
- Accredite the beginning of their work history and attain a certification from training in workplaces.

Since the onset of the programme, more than 635,000 students have been trained in 295,000 companies, more than 425,000 of whom have joined the staff of 95,000 companies in Catalonia.

Traineeship agreements in companies in Catalonia



Integration into the labour market subsequent to specific vocational training in 2008



VET as a path towards university

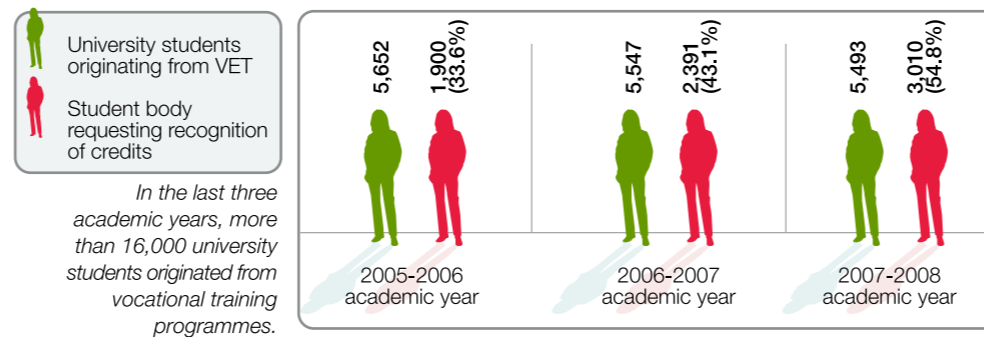
With regard to distance training, since January 2006 the Open Institute of Catalonia (IOC) has offered various vocational training programmes.

In the 2008-2009 academic year, 178 equivalences are in place which establish transferable accreditations between advanced training programmes and university studies.

The path followed by vocational training towards university involves 63 training programmes and 60 university degrees.

More than 25% of Catalonia's university students gain access to university degrees by means of vocational education and training.

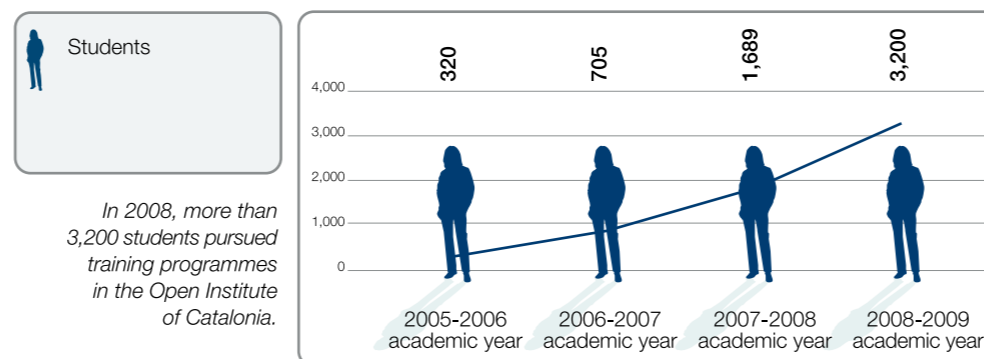
University students originating from VET or requesting recognition of credits in universities



Distance training

With regard to distance training, since January 2006 the Open Institute of Catalonia (IOC) has offered various vocational training programmes.

Registration on distance training programmes

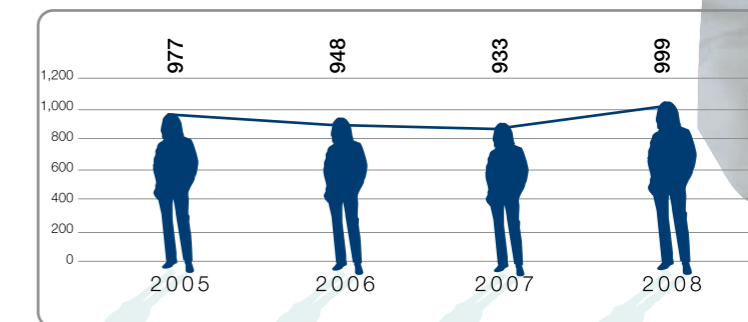


The international scope of vocational training

Every year, approximately 1,000 students from initial vocational training and artistic and sports training in Catalonia receive grants from the Catalan Ministry of Education to undertake a traineeship in collaborating companies in 18 countries within and outside the European Union.

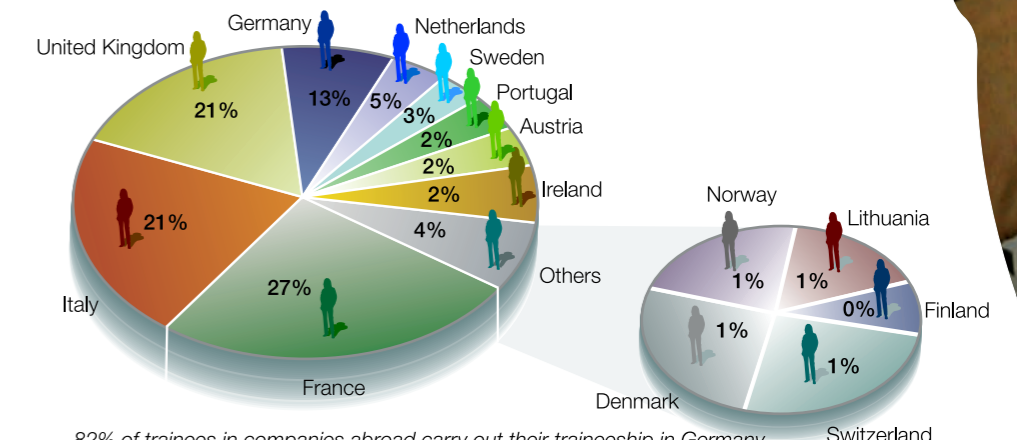
Mobility projects are undertaken thanks to the associations established between Catalan centres and schools abroad.

Subsidised student trainees in companies abroad

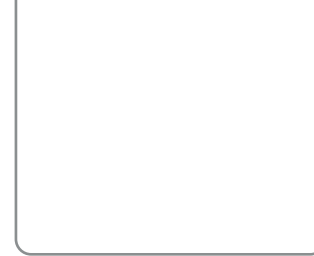


In 2008, more than 1,000 students undertook subsidised traineeships in companies abroad.

Students per destination country



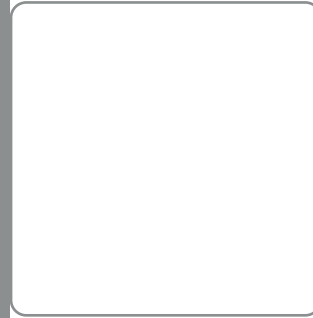
82% of trainees in companies abroad carry out their traineeship in Germany, France, the United Kingdom and Italy, four of the most developed countries in the European Union.



Flexibility in vocational training

Combining study and employment is part of the educational model adopted by vocational training in Catalonia.

The student body's association with the world of work gives rise to more effective progress in training itself.



For this reason, a significant commitment has been made to facilitate the combination of study and work, introducing quality distance training and devising innovative approaches:

- The Open Institute of Catalonia, which provides distance vocational training.
- Flexibility in registration. The centres in Catalonia offer various possibilities which adapt to the needs of students who work: adapting timetables, partial registration on training programmes, blended learning, organising timetables by time periods, etc.
- Alternance vocational training. It constitutes a model which allows vocational training students to combine studies with quality placements in companies related to their specialisation.
- Recognition of work experience. By means of an official accreditation system, the work experience acquired by people during their training is recognised.



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Sports

45% of the centres in which sports training is provided are based in Catalonia.



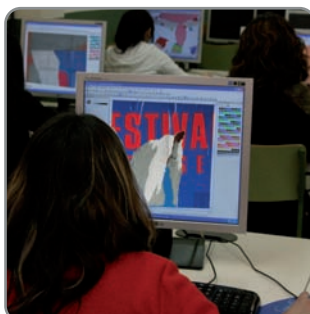
Arts

65% of performing arts students in Spain are registered in Catalonia.



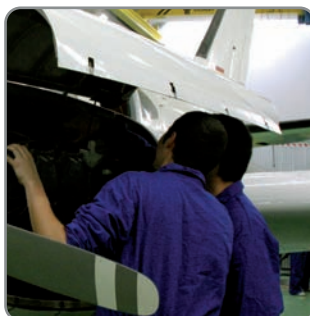
Design

Training centres in graphic arts are an international point of reference, with a high level of registered students who are not resident in Catalonia.



Avionics

Catalonia is host to the only recognised public centre for vocational studies in Spain.



Boats

Catalonia is home to one of the leading centres in navigation, fishing and maritime transport and the maintenance and repair of vessels.



Updated training programmes

The ever-evolving market means that companies have to keep abreast of new methodologies and disciplines in order to compete in a globalised economy; therefore, the demand for technicians is oriented towards employing professionals prepared in training programmes.

Catalonia has benchmark centres in the training of qualified professionals in emerging sectors. Such centres attract students from various places and have garnered widespread recognition in the professional world.

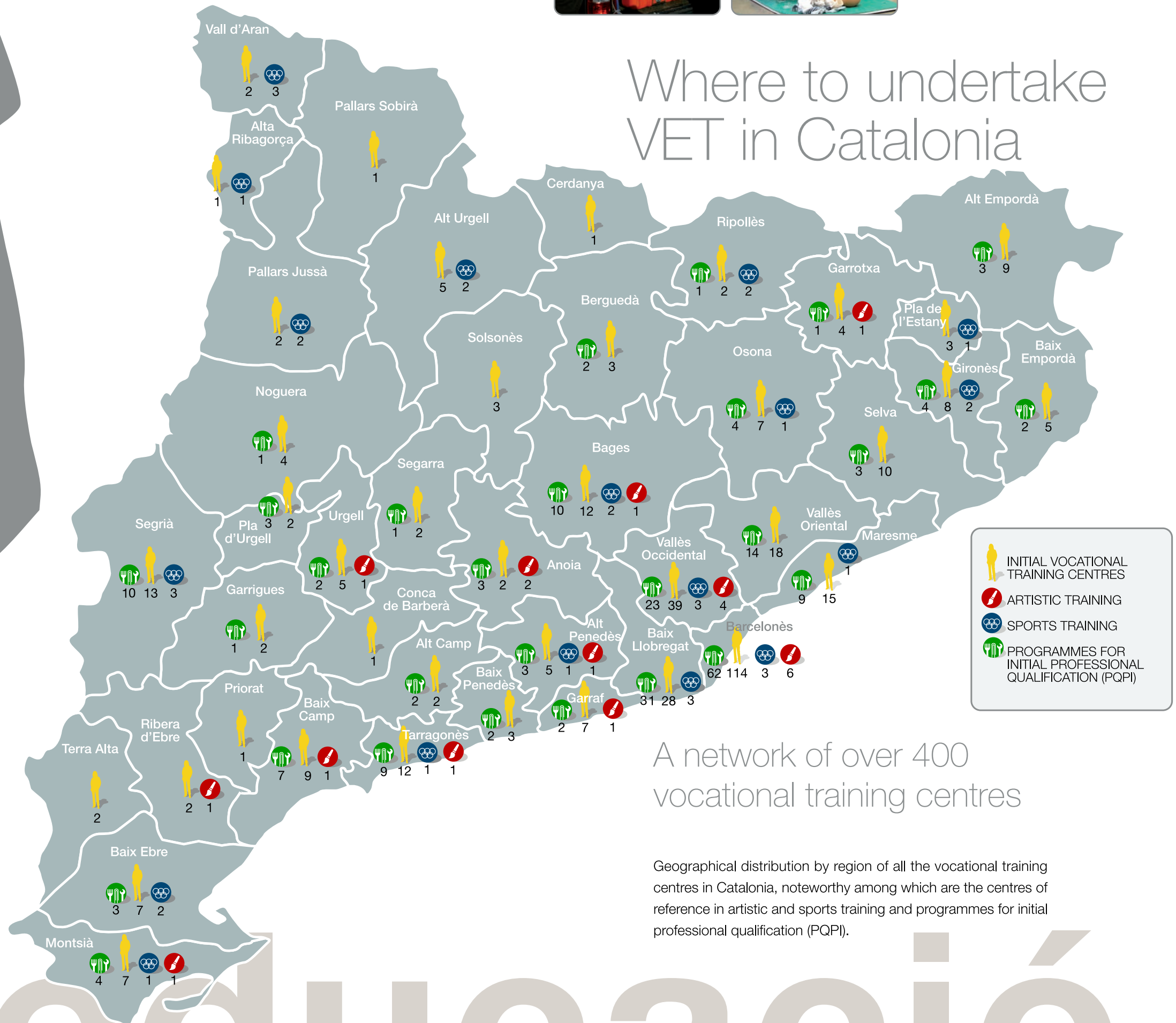
These training programmes offer pioneering professional profiles which seek to adapt to the new needs of highly qualified professional environments.

Noteworthy for their singular nature are the following degrees:

- Ephemeral architecture
- Floral art
- Commerce and marketing of wine and cava
- Commerce of foodstuffs
- Driving construction machinery
- Artistic book-binding
- Enamelling
- Illustration: audiovisual animation
- Illustration, design of videogames and virtual environments
- Maintenance of sports boats and ports
- Maintenance of ski slopes
- Watchmaking
- Winter sports, mountain sports and mountain climbing



Where to undertake VET in Catalonia



A network of over 400 vocational training centres

Geographical distribution by region of all the vocational training centres in Catalonia, noteworthy among which are the centres of reference in artistic and sports training and programmes for initial professional qualification (PQPI).



Entrance examinations for the various training courses

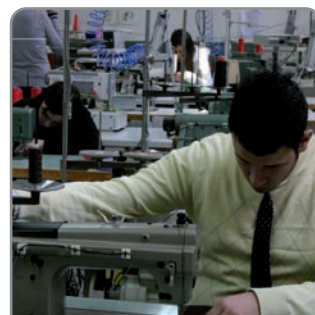
What to study in Catalonia

For all those who do not fulfil the academic requisites, an annual entrance examination session for intermediate and advanced programmes is held in:

- vocational training
- sports training*
- training in plastic arts and design*
- advanced artistic training*

Passing the common element of said examinations is valid for all instruction and allows any training itinerary to be followed.

** For said training, a specific personality test should also be conducted to demonstrate skills in the particular specialisation.*



Training programmes by vocational categories and programmes for initial professional qualification

- Administration and management
- Agriculture
- Chemistry
- Commerce and marketing
- Construction and civil works
- Electricity and electronics
- Food industries
- Graphic arts
- Health
- Hotel management and tourism
- Image and sound
- Installation and maintenance
- IT and communication
- Maritime activities and fishing
- Mechanical manufacturing
- Personal image
- Physical and sports activities
- Socio-cultural and community services
- Textiles, tailoring and leather
- Transport and maintenance of vehicles
- Wood, furniture and cork

Plastic arts and design

- Art jewellery
- Artistic enamelling
- Artistic pottery
- Artistic textiles
- Arts applied to books
- Arts applied to clothing
- Arts applied to sculpture
- Arts applied to walls
- Floral art
- Graphic design
- Industrial design
- Interior design

Advanced artistic studies

- Conservation and restoration of cultural goods
- Dance
- Design (graphics, products, interiors and fashion)
- Dramatic arts
- Music

Sports instruction

- Athletics
- Basketball
- Football and indoor football
- Handball
- Mountain sports and climbing
- Winter sports



In these categories, programmes for initial professional qualification are available.

Scope of VET by way of the results

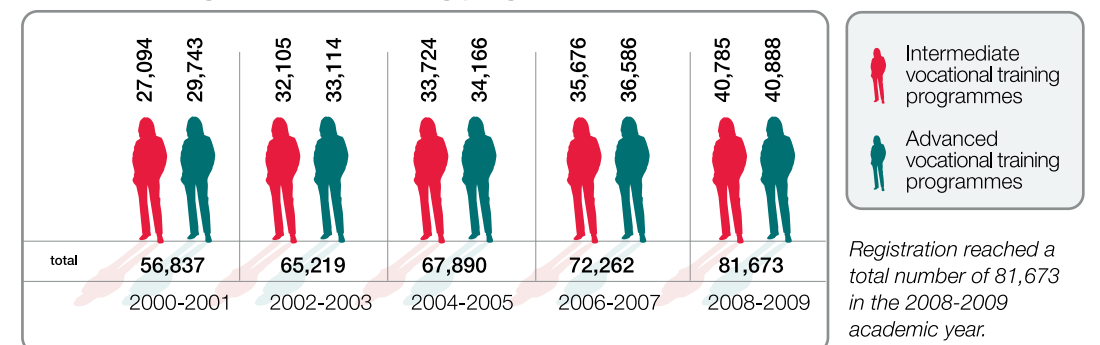
The evolution of vocational training

In the last five years, the vocational training programmes offered have grown, increasing by 453 groups of students (253 intermediate level and 200 advanced level).

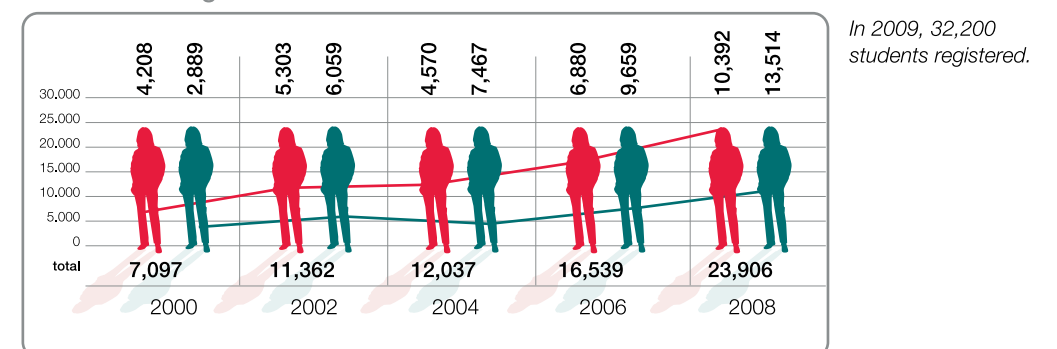
Registration has increased by over 15,000 students.

In entrance examinations for the 2008-2009 academic year, 32,200 students registered, corresponding to a 35% increase on the previous year. The pass rate in the 2007-2008 academic year was 77%, with a total of 18,407 students.

Evolution of registration on training programmes



Evolution of registration for the entrance examinations



Furthermore, the 2008-2009 academic year established a new means of joining vocational training for young people who have not obtained the secondary education certificate by means of programmes for initial professional qualification, in which more than 5,500 young people take part.