

# Combined academic and work-based learning: Dual learning assessment in the Basque University System

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**Work-based learning workshop, 11 June 2019**

# Unibasq and the Basque University System



Universidad  
del País Vasco

Euskal Herriko  
Unibertsitatea



Universidad de Deusto  
Deustuko Unibertsitatea



**UNIBASQ**

# Unibasq and the Basque University System

University	Bachelor students	Bachelor programmes	Master students	Master programmes	PhD students	PhD Programmes	Academic staff
UPV/EHU	35492	68	3325	109	3570	65	5663
Deusto University	8643	22	1498	32	347	7	770
Mondragon University	4087	15	577	15	140	3	436
<b>Total</b>	<b>48222</b>	<b>105</b>	<b>5400</b>	<b>156</b>	<b>4057</b>	<b>75</b>	<b>6869</b>

# Unibasq and the Basque University System

## REVIEW ACTIVITIES

- **Institutional level (University / Faculty)**
  - Institutional accreditation
  - IQAS audit
  - Teaching staff
- **Study programmes:** ex-ante accreditation, monitoring, modification and ex-post accreditation
- **Academic staff**
  - Accreditation
  - Research merits

# Dual learning in the Basque Country

## I. Basque University-Business strategy 2022

*“Higher education should also allow students to acquire skills and experiences through activities based around real-world problems, include **work-based learning** and, where possible, offer international mobility. Cooperation with employers can allow HEIs to increase the relevance of their curricula and deliver them effectively, and increase opportunities for students to access **high quality work-based learning**.”* (Renewed EU agenda for higher education-European Commission, 2017)

# Dual learning in the Basque Country

## I. Basque University-Business strategy 2022

Main aims:

- Knowledge transfer from excellent research to companies.
- Training of highly skilled professionals considering the needs of the labour market.

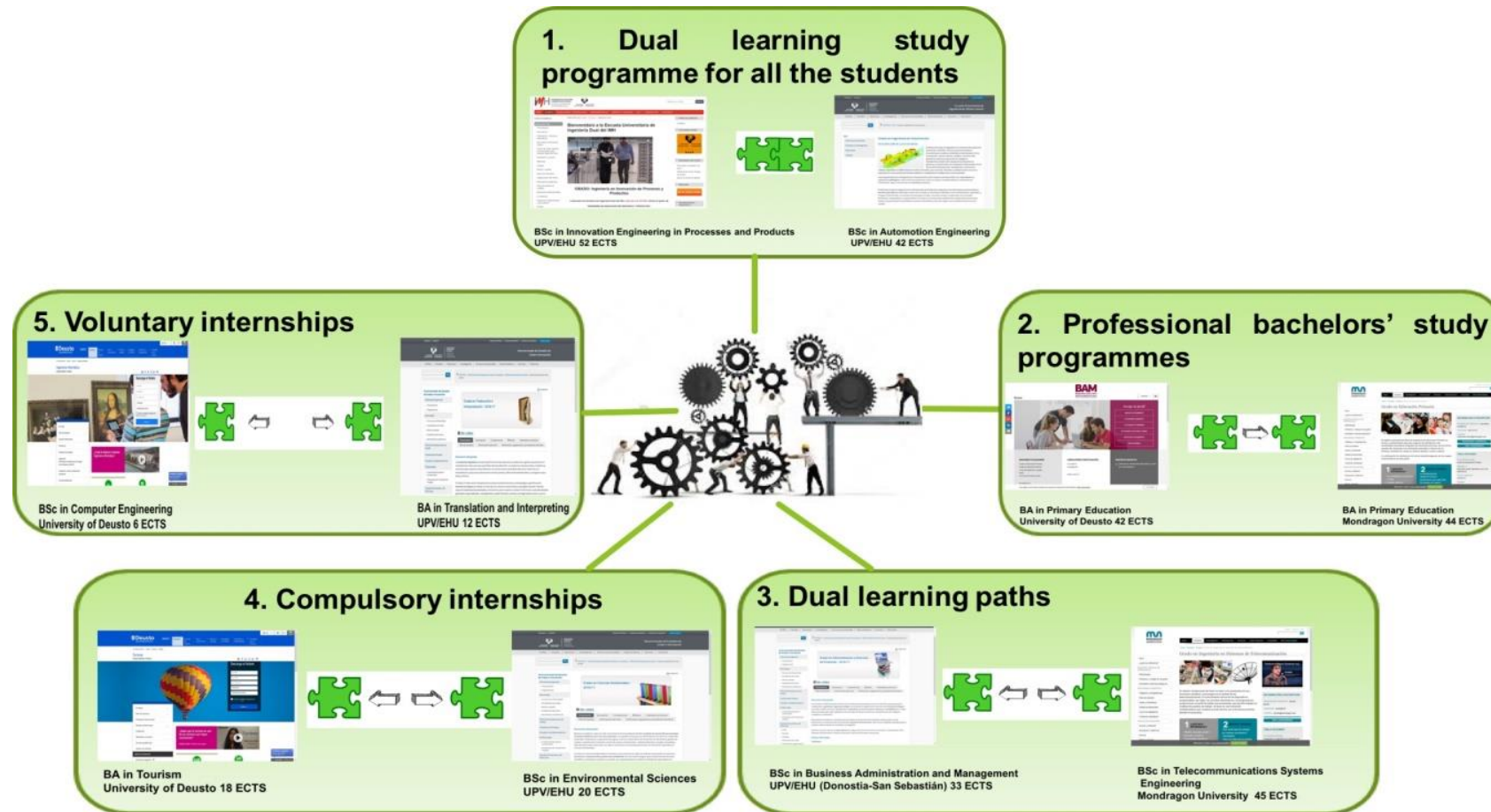
# Dual learning in the Basque Country

## I. Basque University-Business strategy 2022

### **Action 6:**

- Drafting a map of the relationships among study programmes and businesses in the Basque University System.
- Definition of labels regarding University-Business links for Bachelor, Master and Doctorate programmes – Dual learning labels.

# Methodology – University Business links





# Methodology – University Business links

## 1. Dual learning study programmes

- All the students are enrolled in a combined learning system at a HEI and at a working environment.
- There is an agreement between the university and the company.
- There is a legal bound between the student and the company.

# Methodology – University Business links

## 2. Professional study programmes

- Study programmes that allow the graduate to access a regulated profession as lawyers or teachers.
- The link between the university and the company/organization is established in a specific regulation.

# Methodology – University Business links

## 3. Dual learning paths

There is a specific path in the study programme where some of the students are enrolled in a combined learning system at a HEI and at a working environment.

# Methodology – University Business links

## 4. Compulsory internships.

- There are agreements with the companies for the internships. All the students must do these work placements in order to get their qualification.
- The company is not involved in the design, planning or review of the study programme.

# Methodology – University Business links

## 5. Voluntary internships.

There are agreements with some companies giving the option to do some internship. The students do not need to do these work placements in order to get their qualification.

# Regulation of work-based learning in the Basque Country

**Basque Decree 274/2017** of December 19th, regarding the implementation and closure of official study programmes (Bachelor's and Masters' Degrees and Doctoral Studies) where it is established that the Basque official study programmes will be classified in different levels under these categories:

1. Innovative methodologies based training;
2. Internationalisation; and
3. Links with companies, institutions and some other organisations.

# Criteria - Dual learning label

## 1. Description of the study programme

Complete study programme / path – **number of students**

**% ECTS:**

- Bachelor level: **25-50%**
- Master level: **40% or at least 30 ECTS**
- **Final project** should be included in this percentage

# Criteria - Dual learning label

## 2. Justification of the study programme

- **Interest and relevance** of the dual methodology for skills achievement
- **Level of involvement** of the companies in the study programme (design, delivery,...)
- Creation of a **university-business commission**



# Criteria - Dual learning label

## 3. Learning outcomes

**Learning outcomes to be achieved:**

- **at the university/company**
- **way of achieving them**
- **coordination of activities**

# Criteria - Dual learning label

## 4. Students

- **Students' distribution** in the different companies
- **Public information**
- **Student-company bond** (contract or similar to support them)
- **Recognition of previous work experience or internships**, only if approved by the university-business commission

## Criteria - Dual learning label

### 5. Planning and organisation

Study programme **organisation** at the **university** and at the **work placement**:

- subjects
- chronogram
- Activities - methodologies
- evaluation system, ...

# Criteria - Dual learning label

## 6. Academic staff

- **Profile:**
  - **academic staff**
  - **supervisors at the work placement** (training received)

# Criteria - Dual learning label

## 7. Material resources and services

- **List of companies**
- **List of agreements signed**
  - In the agreements the training for the supervisors should be established

# Criteria - Dual learning label

## 8. Quality Assurance System

### Procedures regarding:

- the **design** and **planning** of dual learning
- the **monitoring** of this dual learning regarding **stakeholders' satisfaction**
- **identification of needs and expectations** and **continuous improvement** considering the **outcomes**.

# Methodology - Dual learning label

## Review methodology:

- ▶ **Desk-based review** of the documentation sent by the universities regarding the specific issues established in the criteria for recognition of dual learning.
- ▶ Each application reviewed first by an **academic** and a **professional** expert and then the corresponding **evaluation committee** (by knowledge field, with a composition of **academics, students and professionals**) took the final decision.

# Outcomes



10 Bachelor's degrees:

9 paths:

- Mechanical Engineering
- Industrial Design and Product Development Engineering
- Industrial Organisation Engineering
- Industrial Electronics Engineering
- Computer Engineering
- Energy Engineering
- Eco-technology in Industrial Processes Engineering
- Biomedical Engineering
- Business Administration and Management

Full degree:

- Mechatronic Engineering

6 Master's degrees:

6 paths:

- Strategic Product and Service Design
- Industrial Engineering
- Embedded Systems
- Energy and Power Electronics
- Biomedical Technologies
- Secondary School/Vocational and Language teacher training



4 Bachelor's degrees:

2 paths:

- Business Administration and Management
- Human Resources and Employment Management

2 full degrees:

- Automotive Engineering
- Innovation Engineering in Processes and Products

3 Master's degrees:

1 path:

- Embedded Systems Engineering

2 full degrees:

- Multimedia Journalism
- Digital Manufacturing



1 Bachelor's degree:

1 path:

- Human Resources

1 full degree:

- Digital Industry

1 Master's degree:

1 full degree:

- Automotive design and manufacturing



## **10 Bachelor's degrees:**

### **9 paths:**

- Mechanical Engineering
- Industrial Design and Product Development Engineering
- Industrial Organisation Engineering
- Industrial Electronics Engineering
- Computer Engineering
- Energy Engineering
- Eco-technology in Industrial Processes Engineering
- Biomedical Engineering
- Business Administration and Management

### **Full degree:**

- Mechatronic Engineering

## **6 Master's degrees:**

### **6 paths:**

- Strategic Product and Service Design
- Industrial Engineering
- Embedded Systems
- Energy and Power Electronics
- Biomedical Technologies
- Secondary School/Vocational and Language teacher training





## 4 Bachelor's degrees:

### 2 paths:

- Business Administration and Management
- Human Resources and Employment Management

### 2 full degrees:

- Automotive Engineering
- Innovation Engineering in Processes and Products

## 3 Master's degrees:

### 1 path:

- Embedded Systems Engineering

### 2 full degrees:

- Multimedia Journalism
- Digital Manufacturing

# Outcomes



2 Bachelor's degree:  
1 path:  
• Human Resources

1 full degree:  
• Digital Industry

1 Master's degree:

1 full degree:  
• Automotive design  
and manufacturing

## La universidad vasca tendrá más de 20 titulaciones en dual

La consejera de Educación destaca que el curso que viene habrá más títulos en alternancia que los previstos para 2022

IDOIA ALONSO - Viernes, 4 de Mayo de 2018 - Actualizado a las 06:04h

11 votos ¡comenta!

Me gusta 0 Compartir



**DONOSTIA-** La respuesta de las tres universidades vascas a la estrategia universidad-empresa lanzada hace un año por el Gobierno Vasco ha superado las expectativas más optimistas. El curso que viene el Sistema Universitario Vasco (SUV) ofertará al menos 20 titulaciones en dual, más de las que contemplaba la propia estrategia en el horizonte 2022. La consejera de Educación, Cristina Uriarte, avanzó ayer durante su intervención en el Forum Europa, celebrado en Bilbao, que la Agencia de Calidad del Sistema Universitario Vasco (Unibask) culminará "en breve" el proceso de acreditación de al menos una veintena de

de [www.agkn.com...](#) con lo que se superará las previsiones iniciales. "Sin

Vista:  
[Más texto](#)  
[Más visual](#)



TRIBUNA ABIERTA

## Tribuna abierta Industria 4.0 y un nuevo modelo de universidad

POR F. JAVIER ARRIETA IDIAKEZ - Martes, 1 de Mayo de 2018 - Actualizado a las 06:02h

11 votos ¡comenta!

Me gusta 4 Compartir



Por ejemplo, los estudiantes de ciclos de Formación Profesional industrial logran el pleno empleo en seis meses. No obstante, la Asociación de Centros de Formación Profesional de Iniciativa Social de Euskadi trasladó a la sociedad varias de sus reflexiones-preocupaciones el 9 de abril. Una de las principales preocupaciones consiste en la falta de alumnado.

Vista:  
[Más texto](#)  
[Más visual](#)



EC Sociedad | Educación acelera la implantación de carreras que combinan el estudio

## Educación acelera la implantación de carreras que combinan el estudio con el trabajo en las empresas



La consejera Cristina Uriarte, durante su intervención en 'Fórum Europa-Tribuna Euskadi'. / MANU CECILIO

La consejera avanza que habrá más de los 20 grados y másteres duales anunciados y que se adelantará su puesta en marcha al próximo curso



MARTA FDEZ. VALLEJO

Viernes, 4 mayo 2018, 09:22



# Conclusions

- 👍 **Innovative model** at university level
  - 👍 Interaction between **professional and academic** peers enriched the discussions
  - 👍 Excellent ideas to align the university degrees to the **needs of the companies** (improvement of the employability of the graduates).
- Nevertheless, the experts wanted to make clear that this model should assure the **rights of the students** and the achievement of the **learning outcomes** and that a **legal framework** should be developed to support the contracts for dual learning.

*Eskerrik*  
A S K O