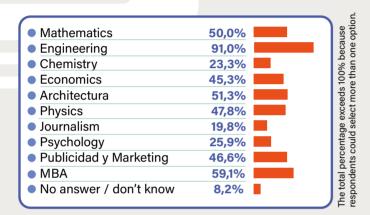
SURVEY

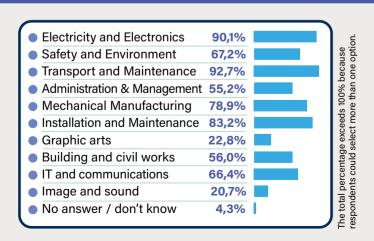
National scope. December 2024 – April 2025

51.5% know a woman who works in the ailway sector.71.6% of people believe they could work in the railway sector.

What UNIVERSITY studies do you think people working in the railway sector must have?



What VOCATIONAL TRAINING do youthink people working in the railway sector must have?



THE PROJECT

NIÑAS AL TREN DE LA CIENCIA Y LA TECNOLOGÍA has worked to:

- •Promote scientific vocations and an innovative spirit among students (especially girls) by encouraging them to pursue disciplines related to research and innovation in the railway sector.
- •Advance gender equality and the empowerment of girls and women through education in fields related to railways.
- •Bring science, technology, and researchand innovation activities in the railwaysector closer to Spanish society.
- •Raise awareness of the scientific technological and innovation developments carried out by Spanish institutions and research centers.
- •Promote recognition of the railway as an example of the values that scientifictechnological and innovation advancements contribute to social, economic, environmental and safety-related well-being.

The project is funded by FECYT within the framework of the 2023 Call for Grants to Promote Scientific, Technological, and Innovation Culture (FCT-23-19207).

www.ffe.es/niñasaltrendelaccytec/







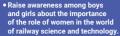


DE LA CIENCIA Y LA TECNOLOGÍA









Inform about the challenges women have faced in this field

• Explain the impact that scientific and technological professions in the railway sector have on societal advancement



AND WHY CAN'T YOU MISS THIS TRAIN?



THE RAILWAY IS SUSTAINABLE



in transport modes (FII) Civil aviation

0.4%

IS SAFE

2.7 CAR OCCUPANTS 0.23 BUS PASSENGERS

Deaths per billion passenger/km (2011-2015)

0. TRAILWAY PASSENGERS

0.06 AIRLINE PASSENGERS

CONNECTS PEOPLE

132K

DATA ON RAILWAYS IN SPAIN



TRAVELLERS

654,939,000 people used rail transport in Spain in 2023.

FREIGHTS

Almost 22 millions of tonnes were transported by rail in Spain in 2023.



HIGH SPEED

With 4.000km. Spain has the most extensive network in Europe and the second largest in the world, only behind China.

Spain leads the implementation of the ERTMS signalling and communications system in Europe with more than 2,700 km.



METRO AND TRAM

9 cities with metro network. 24 cities with trams.

SPANISH RAILWAY INDUSTRY

WOMEN ON THE RAILWAY

AND WHY CAN'T YOU MISS THIS TRAIN?



ENGINEERS

Percentage in railway sector entities

21,7%

18.2%

23,3%

REPRESENTATION

TRAINING

In 2024, women accounted

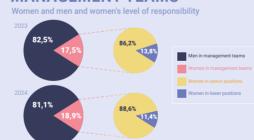
for 22.8% of the workforce

Overall, women represent 17.5%

of the total number of people with an engineering profile

working in railway companies.

MANAGEMENT TEAMS



EMPLOYMENT PROFILE



20,0%

10.5%

28,8%



STEM • Overall, STEM occupations earn 26% more than non-STEM occupations.

LEADERSHIP

22.7% women leading management teams

GUIDING PRINCIPLES OF STEM:

Promote inquiry-based learning critical thinking and scientific

Encourage active teaching and autonomous thinking that allows for exploratory, reflective, creative and transformative learning.

Empower generations to use science, technology, engineering and mathematics (STEM) skills and reflective reasoning to solve complex problems and innovate.

To face the challenges of society and contribute to its progress in different areas.



THE GENDER GAP IN STEM OCCUPATIONS

in a STEM occupation out of the total number



AND WHY CAN'T YOU MISS THIS TRAIN?

STEM WOMEN

STEM YOUTH

aged 30 to 44 years.

STEM OCCUPATIONS

The percentage of women

of women employed in Spain in 2022 is 5.6%.

Women under 30 years of age

who are engaged in STEM occupations reach 9%, to drop to 7% among those

Only 1 in 4 STEM jobs is held by a woman,

WOMEN IN THE STEM SECTOR

LABOR PARTICIPATION

72.7%

8.1%

STEM VET & HNC



6.426

a proportion that has remained constant 12.3%

STEM SECTORS **UNIVERSITY STUDENTS STEM**

By sector, STEM occupations have a lower female presence: construction (18%) and information and communications (23%)



STEM INCORPORATION

Female STEM graduates are, 5 years later, about 2.7% less likely to be employed in the sector than their male counterparts.



THE LABOR MARKET FOR STEM OCCUPATIONS IN SPAIN Attractive

salaries

High demand

69.3%



STEM profiles are being highly demanded in technolog

Degree

STEM professions offer higher salaries due to specialization

International opportunities

Many of the STEM professions are also in demand in abroad. for Spanish professionals

