

# Profiles of people in STEM careers

Welcome to the Project ERASMUS+ “Building the future of Latin America: Engaging Women into STEM” survey.

The aim of this survey is to gather data from current and past students to provide some useful information to potential STEM students and share with them similar concerns that other people have had.

The information you provide in this survey will be added to our database and will be used to display anonymously profiles to high school students.

Your time is much appreciated and your answers will be invaluable in motivating the next generation of female in STEM.



There are 22 questions in this survey.

## General Section

Have you graduated from university already?

\*

Please choose **only one** of the following:

- Yes
- No

## What is your gender?

\*

Please choose **only one** of the following:

Female

Male

Prefer not to say/other

Other

Choose one of the answers.

If you choose 'Other:' please also specify your choice in the accompanying text field.

## What is your name? (please feel free to use a fictional name. This name will be used to generate an anonymous profile) \*

Please write your answer here:

## In what year were you born?

\*

❗ Your answer must be between 1900 and 2020

❗ Only an integer value may be entered in this field.

Please write your answer here:

Please use the YYYY format.

## Which is your University?

\*

🗳️ Choose one of the following answers

Please choose **only one** of the following:

- Universidad de Salamanca
- Universidad Técnica del Norte
- Technological University Dublin
- Northern Regional College
- Politecnico di Torino
- Oulu University
- Tecnológico de Monterrey
- Universidad de Guadalajara
- Universidad Técnica Federico Santa María
- Pontificia Universidad Católica de Valparaíso
- Universidad Tecnológica de Bolívar
- Universidad de Costa Rica
- Universidad Técnica Particular de Loja
- Universidad del Norte
- Instituto Tecnológico de Costa Rica

## What is your course of study? \*

Please write your answer here:

## What is your pre-University education? \*

❗ If you choose 'Other:' please also specify your choice in the accompanying text field.  
Please choose **only one** of the following:

- Humanistic
- Scientific
- Technical
- International Baccalaureate

Other

Choose one of the answers.

If you choose 'Other:' please also specify your choice in the accompanying text field.

## General Section - Graduates

### Please select the last academic degree obtained \*

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [Q1]' (Have you graduated from university already? )

Please choose **only one** of the following:

- Specializing Diploma
- Bachelor
- Master of Science
- Specializing Master or MBA
- PhD

Choose one of the answers.

## In which year did you graduate? \*

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [Q1]' (Have you graduated from university already? )

- ❗ Your answer must be between 1990 and 2022
- ❗ Only an integer value may be entered in this field.

Please write your answer here:

Please use the YYYY format.

## Are you currently working?

\*

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [Q1]' (Have you graduated from university already? )

Please choose **only one** of the following:

- Yes
- No

## Current occupation (if you are not currently working please write "unemployed" or "searching for a job") \*

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [Q1]' (Have you graduated from university already? )

Please write your answer here:

## In which year did you start the university? \*

Only answer this question if the following conditions are met:

Answer was 'No' at question '1 [Q1]' (Have you graduated from university already? )

- ❗ Your answer must be between 1900 and 2024
- ❗ Only an integer value may be entered in this field.

Please write your answer here:

Introduce the year in format YYYY.

## Profile - Graduates

The following background questions will help us generate an anonymous profile of you that will be searchable for users. For each of the following scenarios you should select the option that is most applicable to you. The profile text that is generated will read something like the following:

*Hi my name is Shannon, I'm 28 years old and I graduated from University of Salamanca in 2008. A degree in STEM allowed me to work and travel around the world. Before I started university I had some fears that the course would be too difficult for me. The most surprising thing about it was that I was able to work on more team projects than I thought. I now work in the area of robotics engineering and I find that my STEM degree from University of Salamanca was invaluable to me getting here. The thing I liked most about studying at University of Salamanca was the interaction with the academic staff.*

## My STEM degree allowed me to:

\*

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [Q1]' (Have you graduated from university already? )

Please choose **only one** of the following:

- meet a lot of really smart and interesting people
- work on some incredible projects with very experienced engineers
- work and travel around the world
- be making an impact on people's lives
- Other

STEM (Science, Technology, Engineering, Mathematics)

## My biggest concern before starting my STEM degree was:

\*

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [Q1]' (Have you graduated from university already? )

Please choose **only one** of the following:

- that the course would be too difficult for me
- that I wouldn't get enough experience working in teams or with other people
- that I might not fit in that well with the other students
- that I did not have enough hands on experience
- Other

## The most surprising thing about it was:

\*

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [Q1]' (Have you graduated from university already? )

Please choose **only one** of the following:

- that I was able to work on more projects that I initially thought
- how many options there were to choose from and how broad the course actually is
- the other students were a lot more like me than I thought they would be
- Other

## The thing I like the most about studying at my university is

\*

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [Q1]' (Have you graduated from university already? )

Please choose **only one** of the following:

- the excellent international reputation the university has
- the facilities
- the location
- the interaction with the academic staff
- the other students I met from here
- Other

## Profile - Students

The following background questions will help us generate an anonymous profile of you that will be searchable for users. For each of the following scenarios you should select the option that is most applicable to you. The profile text that is generated will read something like the following:

*Hi my name is Shannon, I'm 28 years old and I started studying at the University of Salamanca in 2018. I believe a degree in STEM will allow me to work and travel around the world. Before I*



*started university I had some fears that the course would be too difficult for me. The most surprising thing about it is that I was able to work on more team projects than I thought. The thing I like the most about studying at the University of Salamanca is the interaction with the academic staff.*

I believe a degree in STEM will allow me to:

\*

Only answer this question if the following conditions are met:

Answer was 'No' at question '1 [Q1]' (Have you graduated from university already? )

Please choose **only one** of the following:

- meet a lot of really smart and interesting people
- work on some incredible projects with very experienced engineers
- work and travel around the world
- make an impact on people's lives
- Other

STEM (Science, Technology, Engineering, Mathematics)

My biggest concern before starting my degree was:

\*

Only answer this question if the following conditions are met:

Answer was 'No' at question '1 [Q1]' (Have you graduated from university already? )

Please choose **only one** of the following:

- that the course would be too difficult for me
- that I wouldn't get enough experience working in teams or with other people
- that I might not fit in that well with the other students
- that I did not have enough hands on experience
- Other

## The most surprising thing about it is:

\*

Only answer this question if the following conditions are met:

Answer was 'No' at question '1 [Q1]' (Have you graduated from university already? )

Please choose **only one** of the following:

- that I am able to work on more projects that I initially thought
- how many options there are to choose from and how broad the course actually is
- the other students are a lot more like me than I thought they would be
- Other

## The thing I like the most about studying at my university is:

\*

Only answer this question if the following conditions are met:

Answer was 'No' at question '1 [Q1]' (Have you graduated from university already? )

Please choose **only one** of the following:

- the excellent international reputation the university has
- the facilities
- the location
- the interaction with the academic staff
- the other students I met from here
- Other

## Personal profile - graduates

The profile related to your answers is:

*Hi my name is {INSERTANS:519953X276X4282}, I'm {(2020)-(519953X276X4288)} years old and I graduated from {INSERTANS:519953X276X4292} in {INSERTANS:519953X277X4293}. I believe a degree in STEM will allow me to {if(PG1.code == 'A1' OR PG1.code == 'A2' OR PG1.code == 'A3' OR PG1.code == 'A4', PG1.shown, PG1\_other.shown)}. Before I started university I had some fears that {if(PG2.code == 'A1' OR PG2.code == 'A2' OR PG2.code ==*

**'A3' OR PG2.code == 'A4', PG2.shown, PG2\_other.shown)}**. The most surprising thing about it was **{if(PG3.code == 'A1' OR PG3.code == 'A2' OR PG3.code == 'A3', PG3.shown, PG3\_other.shown)}**. I'm now working as **{INSERTANS:519953X277X4295}** and I find that my STEM degree from **{INSERTANS:519953X276X4292}** was invaluable to me getting here. The thing I like the most about studying at **{INSERTANS:519953X276X4292}** is **{if(PG4.code == 'A1' OR PG4.code == 'A2' OR PG4.code == 'A3' OR PG4.code == 'A4' OR PG4.code == 'A5', PG4.shown, PG4\_other.shown)}**.

## Do you want to confirm your profile? \*

Only answer this question if the following conditions are met:

((Q1.NAOK (/index.php/admin/questions/sa/view/surveyid/519953/gid/276/qid/4278) == "Y"))

Please choose **only one** of the following:

Yes

No

If you choose "no", all your current choices will be deleted

The profile related to your answers is:

Hi my name is **{INSERTANS:519953X276X4282}**. I'm **{(2020)-(519953X276X4288)}** years old and I started studying at **{INSERTANS:519953X276X4292}** in **{INSERTANS:519953X284X4408}**. I believe a degree in STEM will allow me to **{if(PP1.code == 'A1' OR PP1.code == 'A2' OR PP1.code == 'A3' OR PP1.code == 'A4', PP1.shown, PP1\_other.shown)}**. Before I started university I had some fears that **{if(PP2.code == 'A1' OR PP2.code == 'A2' OR PP2.code == 'A3' OR PP2.code == 'A4', PP2.shown, PP2\_other.shown)}**. The most surprising thing about it is **{if(PP4.code == 'A1' OR PP4.code == 'A2' OR PP4.code == 'A3', PP4.shown, PP4\_other.shown)}**. The thing I like the most about studying at **{INSERTANS:519953X276X4292}** is **{if(PP5.code == 'A1' OR PP5.code == 'A2' OR PP5.code == 'A3' OR PP5.code == 'A4' OR PP5.code == 'A5', PP5.shown, PP5\_other.shown)}**.

## Do you want to confirm your profile? \*

Only answer this question if the following conditions are met:

((Q1.NAOK (/index.php/admin/questions/sa/view/surveyid/519953/gid/276/qid/4278) == "N"))

Please choose **only one** of the following:

Yes

No

If you choose "no", all your current choices will be deleted

# Thanks for your answers

This document is available at <https://doi.org/10.5281/zenodo.6815875>