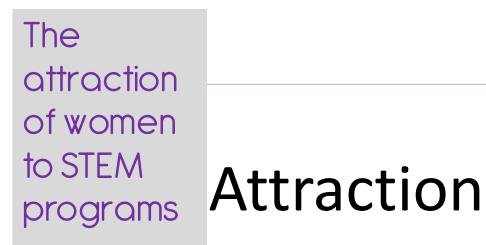
W-STEM – Universidad Técnica del Norte Ibarra – Ecuador Catalina Ramírez Victoria Proaño Winston Oviedo

Benchmarking





Axes for good practice

Retention

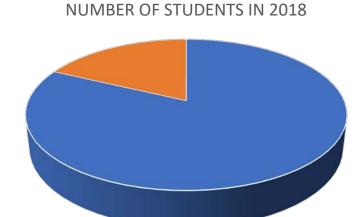
Retention and talent empowerment during STEM training: science and technology teaching

FICA Faculty

• Telecomunications

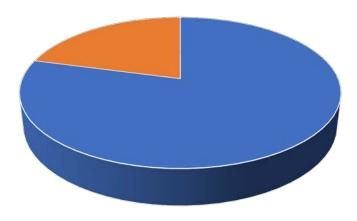
engineering

- Software
- Mechatronics
- Industrial
- Textile
- Electricity
- Automobile



TOTAL WOMEN

Graduated Students in 2018



TOTAL WOMEN

12 % women professors in the faculty



- W-STEM group of the Universidad Técnica del Norte (FICASTEM) - founded on April 2019
 - Support female students that are already in STEM majors.
 - Attract women of different ages to STEM careers.
 - Disseminate information about the W-STEM project.
 - •Enhance the talent empowerment during STEM training.

Institutional Regulation

 The Universidad Técnica del Norte has 15 strategies to comply with equity gender regulations required by the Ecuadorian constitution and the Ecuadorian regulations of Universities. The good practice acquired by WSTEM is aligned to the strategies: 2, 3, 6, 7, 8, and 9 stated in the document:



ACTIVITIES

- •female researchers, lecturers and professors, active in every University academic or social activities.
- •enhance networking connections,
- •dissemination of WSTEM projects,
- •talks female lecturers about STEM majors,
- •group talks engineering students about student life,
- •talks about equity by the Welfare Service of the University.

Factors (success - failure)

National regulations. LOES - RRA Universities do not control the addition process.

Communication with ex female students among the STEM programs.

The lack of a strong network of female professionals (just created) as a part of the University's STEM programs.

Have a couching team to support and encourage woman of different ages to STEM programs.

Develop efficient communication channels to promote the success cases of women in STEM programs.

Lack of appropriate training to academic and administrative staff about inclusion and equity. Volunteering time.



The group is created.









Girls in TICs

SPAT TECH (Students playing for the advanced technology)



UNIVERSIDAD TECNICA DEL NORTE

A 85

IEEE

Ger 1

- 1/P

Artes

W-STEM project

1D

-

Whe

me

IEEE Robotics &

TUDENT BRANCH UTW

Sr.

10

IEEE

Sprofessionals

International day of the girl 2019



Visit Labs in the University





Sport and social activities in our University.



Indicator	Evidence	
Number of total assistants	Number of assistant/numbers og guest lists	
Percentage of assistants (STEM women in senior positions)	Number of STEM women in senior position/number of assistants	
Percentage of assistants (female college students)	Number of female college students/ number of assistants	
Percentage of assistants (female high school students) Number of female h students/number of		
Percentage of assistants (others)	Number of other assitants/ number of assistants	

10.1. How	/ were/are	being/will	be measured	the indicators	listed above?
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	720272-ELL-T-5010-T
Percentage of satisfation level	Number of satisfied students/
	numbers of total assistants
Percentage of female students chosen STEM programs	Number of female students in
	junior level/ total students in
	junior level
Percentage of female students staying in STEM programs	Number of female students in
	senior level/ total students in
	senior level
Percentage of female students graduating from STEM	Number of graduated female
programs	students / total graduated
	students
Percentage of female students with honors in a STEM	Number of female students
program	with honors/Number of honor
	students
Percentage of female students that have failed in any level	Number of female students that
in a STEM program	have failed in any
	level/Number of students
	failing the semester in a STEM
	program
Percentage of graduated females with a job position in the	Number of graduated females
area	with job position / total number
	of graduated females

Measuring the indicators

TEAM PROJECT	 Authorities, members, students, administrative staff.
W-STEM FICA	• Professors, researchers, administrative staff.
ACADEMIC CLUBS	 WIE IEEE – UTN, programing, robotics, entrepreneurship, electricity and automation
STUDENTS GOVERNMENT	 FEUE Federation of University Students of Ecuador AFU Feminine University Association

1 B

1

1

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42

ACADEMIC CLUBS FICA

1	Robotics Club		
2	Progtaming Club		
3	IEEE-UTN Students´ Brach		
	3.1 (ComSoc) Comunication Society		
	3.2 (CS) Computer Society		
	3.4 (EMBS) Medicine and Biology Society		
	3.5 (PES) Power and Energy Society		
	3.6 (RAS) robotics and Automation Society		
	3.7 (WIE) Women in Engineering		
	3.8 (YP) Young Professionals		
	3.9 (SIGHT) Special Interest Group on Humanitarian		
	Technology.		
4	Electronics and Automation Club		
5	Ethical Hacking UTN Club		
6	Entrepreneurship Club		
7	Motor racing and Carting Club		

Disclaimer

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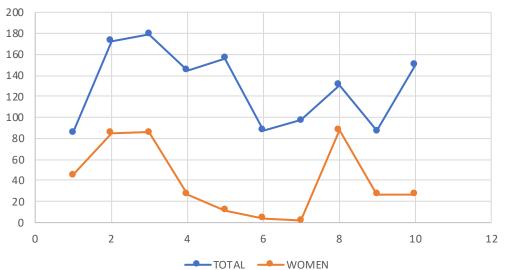
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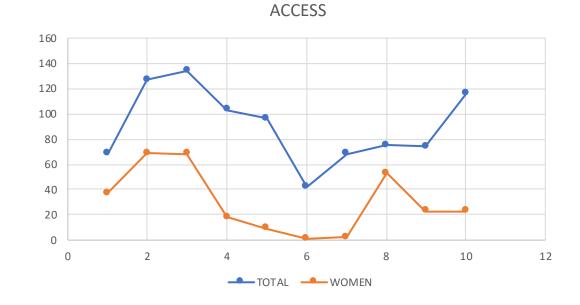
stem



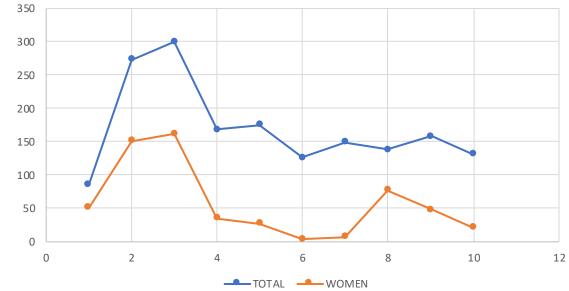


ATTRACTION





ENROLLMENT



Attraction - Access - Enrollment

COMPARATIVE CHART WOMEN

-ATTRACTION -ACCESS -ENROLLMENT