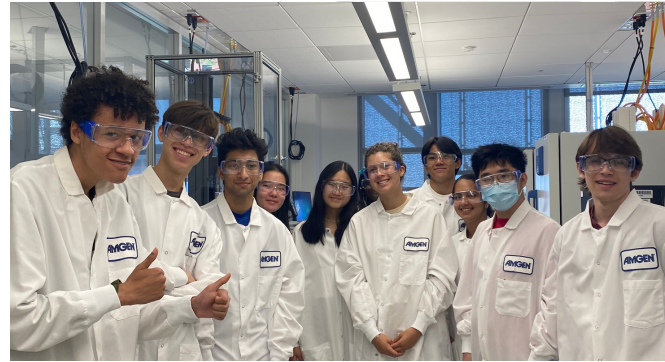




Northeastern University
Center for STEM Education

YOUNG SCHOLARS' PROGRAM - PROGRAM IMPACT -



Program Impact Summary - 2023

64

Northeastern faculty
members have
hosted YSP students
since 2004

379

total participants
in the Young
Scholars Program
since 2008

64

YSP students at
Northeastern
University since
2008

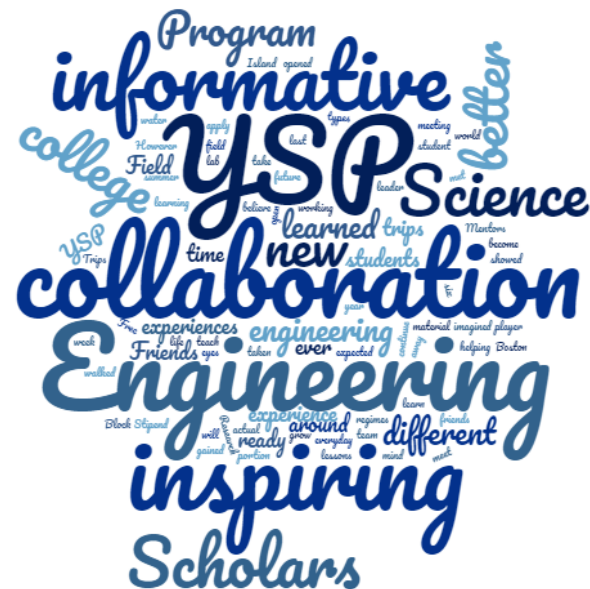
96%

of YSP participants who
reported, are pursuing or have
completed a STEM major as
an undergraduate since 2008

I believe that the most valuable portion that I have taken away from my time in the Young Scholars Program is the experience I gained. Because of my experience working in a college lab with a partner and helping teach each other, I learned how to become a better listener, a better leader, and a better team player. These priceless qualities and lessons that I learned from the Young Scholars' Program are more than I could have ever expected when I was applying last year. I will take them with me as I continue to grow in the future as a student and as an individual. - YSP Alumni

[YSP] gave me a chance to try laboratory science and [get] my hands dirty in the best possible way. There's nothing more valuable to a budding STEM researcher than being involved in a lab to practice the scientific method and learn to troubleshoot. You just can't learn that from a book or in a basic classroom. I enjoyed being in a lab setting during the program and that encouraged me to continue to look for opportunities in college and beyond. - YSP Alumni

I believe it is crucial to expand programs such as the Young Scholars Program because they do, in fact, expose young students to the world of engineering and inspires them to pursue a career in a field that can bring positive change to the world. - YSP Alumni



Developing 21st Century Skills

Program Impact Summary - 2023

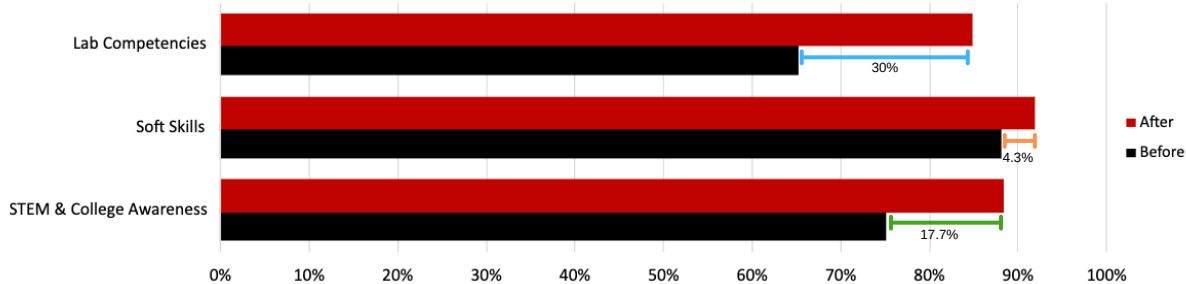
The Center for STEM Education measures YSP impact on students in three regions: **research skills**, **soft skills**, and **STEM and college awareness**. These are based on the **Engineering Competency Model**, a joint initiative by the U.S.

Department of Labor and the American Association of Engineering Societies.

Research skills are technical abilities that students can develop and utilize when exploring and researching scientific questions.

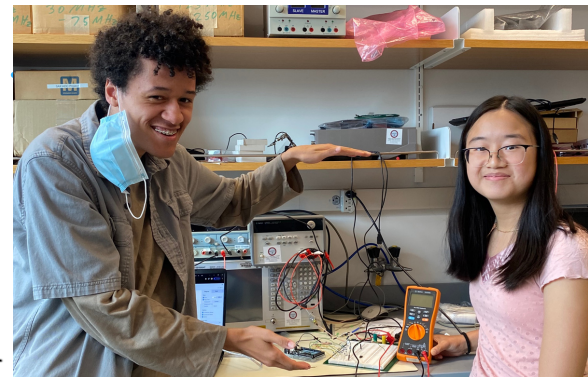
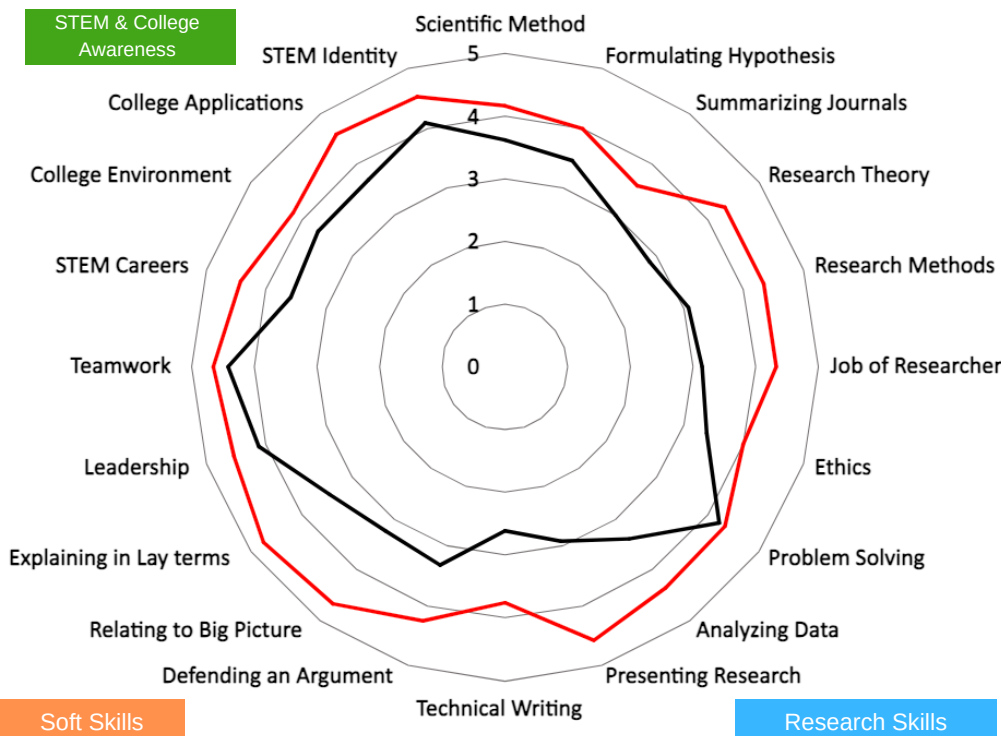
Soft skills are students' personal qualities required to adapt and improve in the work environment.

STEM and college awareness is based on student's knowledge and confidence regarding STEM career options, college applications, and college life.



17%

average increase in all three regions of impact!



The most rewarding part of YSP was when I stood up on the stage on presentation day and even without a single sense in my leg, my brain sifted through the last two months of knowledge to then find the strength to prevail. The most rewarding aspect of YSP was the wait after finishing our presentation where in the chair I felt invincible.

- 2023 YSP Participant

IMPACT ON UNDERSTANDING AND CONFIDENCE OF STUDENTS

	% POSITIVE CHANGE
I understand the job of a researcher	37%
I can identify appropriate research methods and designs	41%
I feel confident in using technical and scientific writing tools	43%
I can relate research results to the "Bigger Picture"	44%
I have a strong understanding of the theories and concepts guiding a research project	52%

