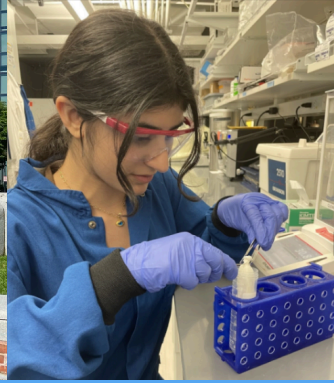
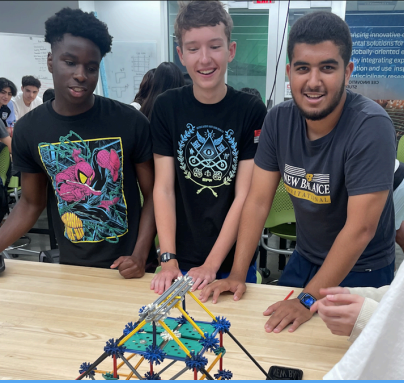




Northeastern University
 Michael B. Silevitch and
 Claire J. Duggan Center
 for STEM Education

YOUNG SCHOLARS' PROGRAM



Program Impact Summary - 2024

55

Northeastern faculty members have hosted YSP students since 2014

267

total participants in the Young Scholars Program since 2014

56

YSP students at Northeastern University since 2014

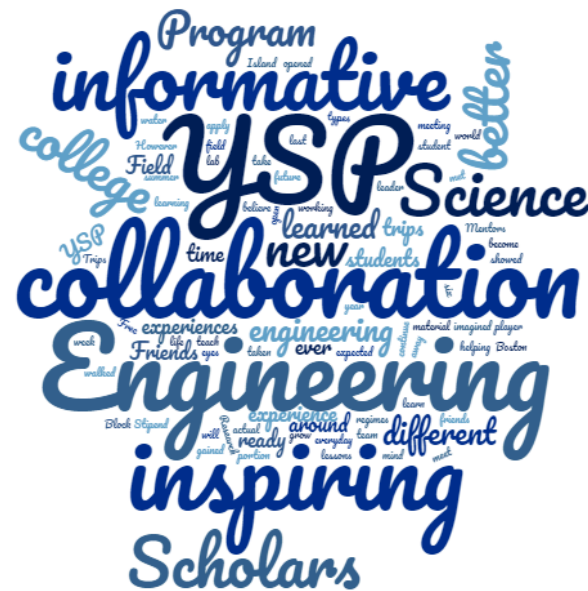
99%

of YSP participants who reported are pursuing or have completed a STEM major as an undergraduate since 2014

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 - 2024

The Center for STEM Education measures YSP impact on students in three regions: **research skills**; **STEM and college awareness**; and **soft skills**. These regions 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.

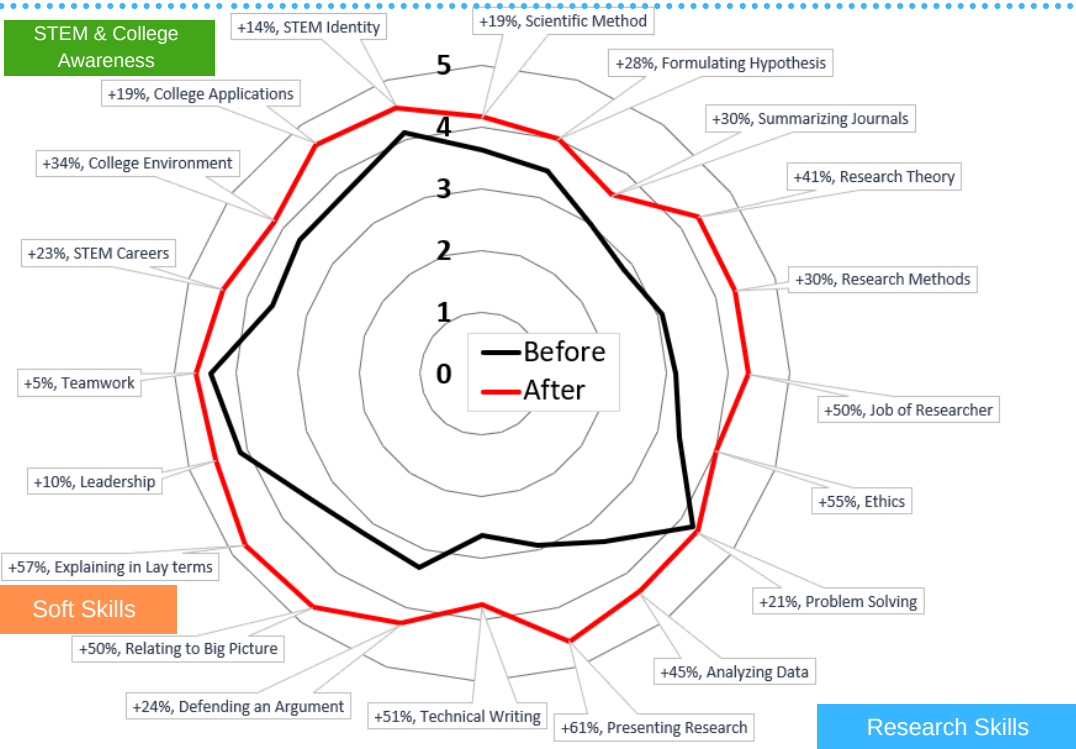
STEM and college awareness is based on student's knowledge and confidence regarding STEM career options, college applications, and college life.

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



28%

average increase in all three regions of impact!



Northeastern (NEU)

89% of 2024 scholars plan to apply to NEU (up from 73% at start of program)

Scholars at NEU:

9/22 (41%) of 2023 scholars
8/28 (29%) of 2022 scholars

Key Improvements

- (+56.9%) Explaining a scientific project to people outside the field
- (+54.8%) Understanding ethics in scientific research
- (+44.8%) Analyzing data with statistics or other tools
- (+40.5%) Understanding concepts guiding a research project
- (+34.5%) Knowing what the college environment is like
- (+29.7%) Sense of belonging in the community of engineers/scientists

I think the best part of YSP was the poster and presentation session and seeing the culmination of my work. I also thought it was rewarding to make so many amazing friends.

- 2024 YSP Participant