YOUNG SCHOLARS PROGRAM
-PROGRAM IMPACT -

Program Impact Summary - 2019

Northeastern faculty members have hosted YSP students since 2004

55

500+

75%

Northeastern to date

55

participants in the Young Scholars Program at

500+

of YSP participants who reported, are pursuing or have completed a

75%

STEM major as an undergraduate

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 Recent Participant

Ultimately, the YSP program provided me with an experience unlike anything before. Not only has it made me a better engineer and scientist, but it should [give] me a paved road to the future of pursuing STEM and endless opportunities. - YSP Recent Participant

[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 - 2019

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.

Research Skills

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<th>Before</th>
<th>After</th>
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<tbody>
<tr>
<td>STEM &amp; College Awareness</td>
<td>14%</td>
<td>16%</td>
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<tr>
<td>Soft Skills</td>
<td>8%</td>
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| Research Skills | 13% |![](13% average increase in all three regions of impact!)

I would say the most rewarding aspect is the fact that what you accomplish during your six weeks is actually contributing to a greater goal. Unlike school...the research you get to participate in at YSP is something that matters.

- 2019 YSP Participant

**IMPACT ON UNDERSTANDING AND CONFIDENCE OF STUDENTS**

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<tr>
<th>Activity</th>
<th>% Positive Change</th>
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<tr>
<td>I understand the job of a researcher</td>
<td>51%</td>
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<tr>
<td>I can identify appropriate research methods and designs</td>
<td>43%</td>
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<tr>
<td>Setbacks don’t discourage me, I work hard to find a solution on my own</td>
<td>15%</td>
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<tr>
<td>I can relate research results to the “Bigger Picture”</td>
<td>31%</td>
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<tr>
<td>I have a strong sense of belonging in the community of engineers or scientists</td>
<td>23%</td>
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The figure above represents the percentage of participants who indicated an offered activity was above average to highly valuable.