

MIT WOMEN'S TECHNOLOGY PROGRAM MECHANICAL ENGINEERING

WTP MISSION

To spark interest in the future study of engineering among high school rising seniors who are unsure about their future plans.

ABOUT THE PROGRAM

Promoting gender inclusivity in STEM is pivotal for driving innovation. Why? Studies show that women's participation enriches perspectives, leading to improved research outcomes. Despite this, women earn only about 24% of undergraduate engineering degrees—a figure that has remained stagnant for the past three decades. To narrow this gap, critical steps include increasing mentorship and role model support, which have been identified as crucial for motivating young women to pursue careers in engineering.

The Women's Technology Program (WTP) inspires talented high school students, particularly those who may not have previously considered engineering, to pursue engineering in college and beyond. WTP is a four-week residential program for talented students who excel in math and science but have limited experience in mechanical engineering. This immersive experience enables them to explore the discipline through hands-on projects while being mentored by enthusiastic MIT graduate and undergraduate students.



HANA SHINZAWA

WTP Class of 2023

“Learning about different mechanical engineers who all used their degrees differently was incredibly interesting to me; I realized that engineering was a way to combine aspects of all the STEM classes I've loved. The more I learned about and experienced what it meant to be an engineer, the more I realized that I wanted to major in mechanical engineering”

Grounded in research-based teaching methodologies, participants dive into dynamic, active learning activities. This approach transcends traditional teaching and learning, helping to build confidence not only in the high school participants but also in the MIT teaching assistants. As students brainstorm innovative solutions through team-based projects, they develop critical skills in problem-solving, teamwork, and creative thinking, essential for their pursuit of excellence in engineering.



For more info, email wtp@mit.edu

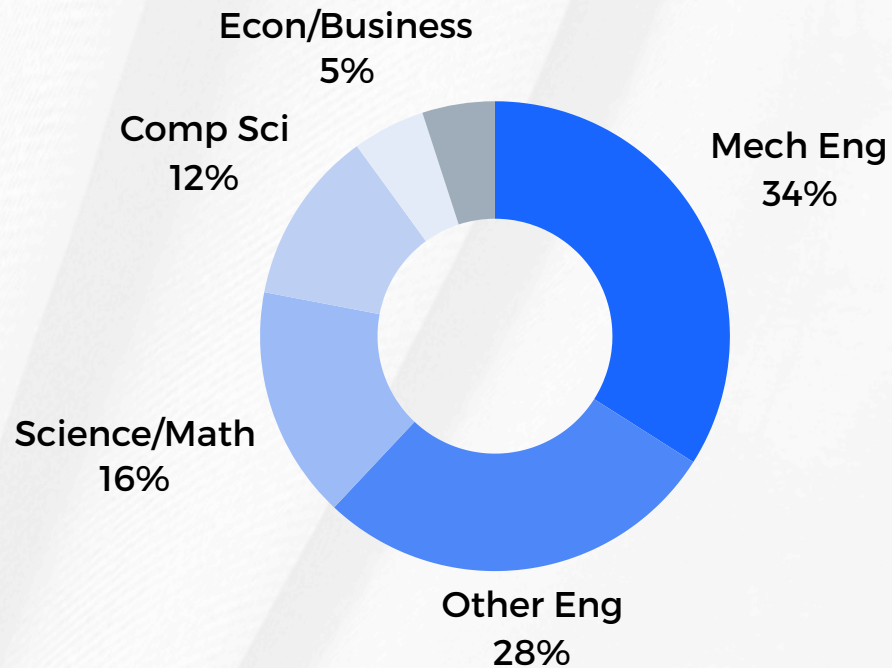
SHAPING THE FUTURE OF ENGINEERING

WTP's high demand is evident each year, with hundreds of applicants vying for just 20 coveted spots. Since its establishment in 2006, the program has positively influenced the lives of nearly 350 students. Among those who have declared their college majors, more than 70% have opted for engineering or computer science. So far, 75 students have matriculated at MIT, with an impressive 80% selecting majors within the School of Engineering.

The program's alumni include Maha Haji, now an assistant professor of mechanical and aerospace engineering at Cornell University. Another standout, Madeline Salazer '13, was recently recognized by Forbes 30 Under 30 for her outstanding contributions as technology manager for additive and digital manufacturing at Northrup Grumman. Catlin Reyda '11, SM '14, an engineering program manager at Lumafield, credits WTP-ME for her career trajectory. "The program taught me that mechanical engineering has a much broader scope than I had ever imagined," she says. "Without WTP, I might not be pursuing the career I am today. The program really changed my life."



WTP ALUMNI UNDERGRADUATE MAJORS



The impact of WTP extends beyond individual success stories. By nurturing the next generation of engineers from diverse gender backgrounds, the program not only promotes equity but also enhances the engineering field with a greater range of viewpoints. This diversity is crucial for solving the world's greatest challenges.



Sponsorship Levels



TRANSPORTATION CHAMPION

Ensure Access for ALL Students

Make it possible for talented students, regardless of their family's financial situation, to attend WTP by providing transportation assistance for those traveling to and from Boston.

\$2,500



FIELD TRIP EXPERIENCE SPONSOR

Engineering in Action

Support a thrilling day of hands-on learning, where students design experiments to explore measurement, instrumentation, and data analysis in the context of play.

\$5,000



FUTURE STEM EDUCATOR SPONSOR

Nurture the Next Generation of Mentors

Invest in the WTP staff who guide and mentor students. Your sponsorship supports these talented individuals as they gain valuable teaching experience, many of whom go on to advanced degrees and faculty positions.

\$10,000



WTP SCHOLAR SPONSOR

Open Doors to Engineering Futures




















Change a student's life by fully funding their participation in the four-week WTP program. Nearly half of our students receive financial aid, and your support will make this transformative experience accessible to all.

\$15,000



For more info, email wtp@mit.edu

Sponsorship Packages

	TRANSPORTATION CHAMPION \$2,500	FIELD TRIP EXPERIENCE SPONSOR \$5,000	FUTURE STEM EDUCATOR SPONSOR \$10,000	WTP SCHOLAR SPONSOR \$15,000
Invitation to attend WTP Capstone Projects				
Inclusion in WTP Social Media post				
Company Logo on WTP Website				
Inclusion in WTP Newsletter to Alumni, Staff, Parents, and Donors				
Company Logo on WTP Swag (Water bottle or lanyard)				
One Hour Lunch Talk Slot During Program			 <i>If Avail.</i>	 <i>If Avail.</i>
Ability to share information with WTP alumni (students/staff)				