GIVING IMPACT GUIDE
ESD impacts the lives of Michigan students.

“I grew up in Detroit. Transitioning to college was difficult for me because no one in my life had ever been to college.

I am so grateful for the opportunities that I have been given. Several of them have come from ESD. As part of the ESD Student Chapter at MSU, I learned networking skills and have had the opportunity to meet executives and other very accomplished people. I have visited successful companies and attended events such as Industry Preview Day at the Auto Show.

Even more importantly, ESD helped me find an internship—and not just any internship, but one that really fit what I was hoping for. Within a week of meeting with ESD, I got an interview with Magna International and then an offer to become a greenfield/brownfield intern. I know that finding this job will help me live my dream of finally giving back to my family, who have given me everything.

Thank you, ESD.”

TJ NGUYEN
Member of the ESD Student Chapter at Michigan State University, computer engineering major

TJ Nguyen is a senior at MSU. He says, “Every time I talk to an engineering student who says they are looking for internships, I tell them to join ESD—especially if they’re from metro Detroit. It is a way for them to find jobs in their hometown and help it flourish.”
More donations mean more scholarships to future engineers in Michigan.

“Engineering gives me the opportunity to represent women in STEM fields and to encourage the next generation of young girls to follow their dreams.”

HEIDI THEISEN
Michigan State University senior, mechanical engineering major

“Being recognized by ESD means the world to me. Knowing an established group of engineers sees potential in me is a feeling unlike any other. In the past few years, my family has had to deal with unforeseen turmoil, and this scholarship helped to provide a glimpse of light.”

JAKE LANE
Climax-Scotts Community Schools and Kalamazoo Area Math and Science Center; University of Michigan freshman, computer engineering major

Last year, ESD awarded fifteen $1,000 scholarships to the best and brightest young engineering-minded scholars in Michigan.

Application deadlines are in February every year.

In 2020—with the help of our generous donors—we plan to increase the amount of each award to $2,000.

2019 Outstanding College Student Engineer of the Year Scholarships
- Sara Ann Kucharek, Wayne State University
- Matthew J. McAllister Jr., Lawrence Tech
- Joseph Pinakidis, Michigan State University
- Heidi Theisen, Michigan State University
- Michael Ustes, U-M Dearborn
- Rachel Zarger, Michigan State University

2019 Outstanding High School Student of the Year Scholarships
- Deborah Akinbola, Lincoln Senior High School, Ypsilanti
- David Bosek, University of Detroit Jesuit High School and Academy
- Ryan Castro, Elkton Pigeon Bay Port Laker Schools, Pigeon
- James Farrell, Athens High School, Troy
- Shreyas Kashyap, Northville High School
- Jake Lane, Climax-Scotts Community Schools and Kalamazoo Area Math and Science Center
- Graham Macomber, Jackson Preparatory and Early College
- Neha Surapaneni, Novi High School
- Grace Zalubas, North Farmington High School
ESD expands horizons by providing girls with three years of intensive STEM education.

“The best part of the Girls in Engineering Academy is being able to do hands-on activities like electrical engineering.”

REAGAN HORNE
Detroit 8th Grader, Girls in Engineering participant 2017, 2018, and 2019

ESD’s Girls in Engineering Academy takes girls through 140 hours of instruction per year in engineering, mathematics and language. Families pay only $150 per year, but the actual direct cost of the program is $5,000 per year per student. Individual donations make this program possible.

Students in year two visit Bosch.

Students visit local engineering companies during the summer academy. First-year students visited DTE Energy.
“As students engineer their cities of the future, they have to take into consideration the available physical features, the economics of the area, the type of government, the culture of the people, how the environment affects humans and how humans affect the environment.

Collaboration is key to the success of the city. Students this age are just starting to realize what strengths they can bring to a group, so there is a lot of trial and error as they work towards the goal of building a city model.

I have 35 students involved in the Future City Competition this year.”

LINDA MAXWELL
DeWitt Public Schools
6th Grade Teacher

Middle schoolers from DeWitt Public Schools present their city model to an engineer judge in January 2019.

Every year, ESD mobilizes 250+ engineers to mentor and judge 600+ middle schoolers—many of whom have never before met an engineer. After Future City, 68% of students say that they can see themselves becoming an engineer.

Percentage of teachers who reported significant improvement in student skills after Future City:

- Writing and Research: 79%
- Problem Solving: 85%
- Project Management: 89%
- Public Speaking: 94%

Linda Maxwell’s students accept an award for the best use of plastics.
ESD exposed me to different types of engineering. I was able to meet engineers from different disciplines and learn about what they do. ESD also allowed me to build a network of working engineers across disciplines that I probably wouldn’t have obtained otherwise.

When you are an engineering student, you sometimes get bogged down with your classes and routine of school. It’s hard to see the big picture. ESD helped me see the big picture.”

VINCENZO VULTAGGIO
Michigan State University graduate, May 2019, in Civil Engineering, former ESD Student Chapter President, and now a Project Engineer at Marathon Petroleum

There are several ways that you can support the next generation of engineers by giving to ESD:

BY MAIL—Return an ESD giving envelope or mail directly to:

Engineering Society of Detroit
20700 Civic Center Dr., Suite 450
Southfield, MI 48076

ONLINE—Visit esd.org/give

IRA GIFTS—Make an Individual Retirement Account (IRA) charitable distribution today or designate ESD as a beneficiary for a future bequest.

ESTATE BEQUESTS—Join ESD’s Legacy Society by including the Society in your estate plans.

STOCKS OR SECURITIES—Please let us know so that we may thank you properly.

GIFTS IN MEMORY OR HONOR OF SOMEONE—Make a gift in memory or honor of someone and let us know who you would like us to notify.

MATCHING GIFTS—Many companies will match employee gifts. Please let us know if your company does and include the appropriate paperwork with your gift.

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YOUR DONATION IMPACTS MICHIGAN STUDENTS.

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