

The Engineering Society of Detroit (ESD) created the ESD Girls in Engineering Academy (GEA) to improve academic achievement and increase the interest in engineering among girls. ESD's overarching goal is to decrease the gender gap in engineering professions by helping girls to excel at science, technology, engineering, and mathematics (STEM) and eventually pursue engineering careers.

ESD will select up to 40 new applications for rising sixth grade middle school girls to participate in a year-long learning program. GEA continues each year, building upon the concepts they learn through their previous GEA courses to create a strong engineering foundation.

The summer experience engages students over a four-week period, from 9 a.m.-4 p.m., Monday-Friday. The GEA academic year program meets two Saturdays a month October through May for three-hour sessions. The GEA program provides math and science enrichment, engineering and computer science concepts, English/Language Arts comprehension, hands-on project based STEM activities, mentoring, field trips to industry, and engineering career exploration.



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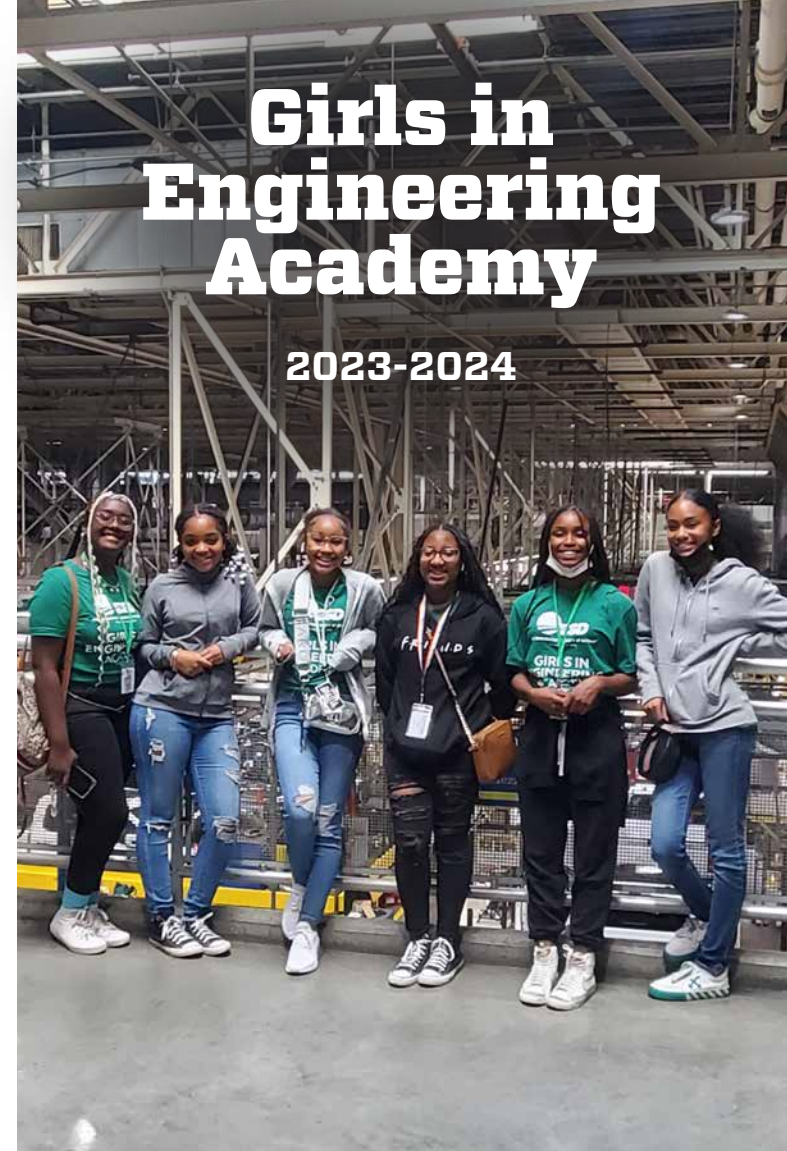
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 20700 Civic Center Drive, Suite 450
 Southfield, Michigan 48076

Girls in Engineering Academy

2023-2024



THE ENGINEERING SOCIETY OF DETROIT®
 FOUNDED IN 1895



GEA FEATURES:

- Education about what engineers do.
- Instructors who are female engineering students and university professors.
- Workshops in STEM.
- Hands-on experiences designing engineering projects.
- Field trips to Engineering Facilities and other STEM-related places.
- Courses held on university campuses.
- Year 2 and older students stay residentially at university campuses during the summer program.



WHO'S ELIGIBLE?

Current 5th grade female students who are interested in STEM and are passionate about learning.

WHAT IS THE COST?

The annual cost is \$300 per student.

HOW TO APPLY?

Applications are at esd.org/gea and will be accepted from January 9 – May 1, 2023 .



WHEN WILL APPLICANTS BE NOTIFIED?

We will notify applicants of their acceptance or wait-list status after May 2, 2023. We will not be able to respond to status requests before this date. A down payment of \$100 will be required to apply. If denied, down payment will be refunded. Please provide a frequently checked email or cell phone (text) number on the application.



DATES AND TIMES

Program Registration

January 9, 2023 – May 1, 2023

Summer Program

July 10, 2023 – August 4, 2023
Monday-Friday, 9 a.m.-4 p.m.

Academic Year Program

October 2023 – May 2024
Saturday (twice a month) 8 a.m. – 12 noon

FOR MORE INFORMATION

Visit esd.org/gea



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