

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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The Engineering Society of Detroit
20700 Civic Center Drive, Suite 450
Southfield, Michigan 48076

Girls in Engineering Academy

2024-2025



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 passionate learners.

WHAT IS THE COST?

The annual cost is \$300 (\$100 minimum required to apply, balance due May 31). If not accepted, fees will be promptly refunded.

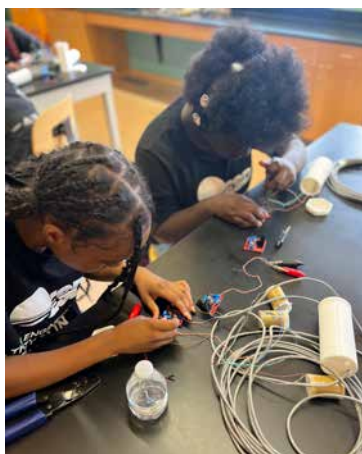
HOW TO APPLY?

Applications are at esd.org/gea and will be accepted from January 15 – May 1, 2024 .



WHEN WILL APPLICANTS BE NOTIFIED?

We will notify applicants of their acceptance or wait-list status after May 2, 2024. We will not be able to respond to status requests before this date. Please provide a frequently checked email or cell phone (text) number on the application.



DATES AND TIMES

Program Registration

January 15 – May 1, 2024

Summer Program

July 8 – August 2, 2024
Monday-Friday, 9 a.m.-4 p.m.

Academic Year Program

October 2024 – May 2025
Saturday (twice a month) 8 a.m. – 12 noon

FOR MORE INFORMATION

Visit esd.org/gea



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