

GIRLS IN ENGINEERING ACADEMY

The Engineering Society of Detroit (ESD) created the ESD Girls in Engineering Academy (GEA) to improve academic achievement and increase 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 to go on to engineering careers.

ESD will select 30 middle-school girls to participate in a summer and academic year program. The summer experience will engage students over a four-week period, from 9 a.m.–4 p.m., Monday–Friday. The program will provide math and science enrichment, English/language arts, hands-on project-based STEM activities, life skills development, mentoring, pre-college experiences, industry field trips, and engineering career exploration.

The GEA program will continue during the academic year. Selected students will meet two Saturdays per month for three-hour sessions. Students will continue to learn about various engineering disciplines and careers. Students will also focus on STEM activities to reinforce concepts learned over the summer and during the school year.



Girls in Engineering Academy



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THE ENGINEERING SOCIETY OF DETROIT®
FOUNDED IN 1895

GEA

GEA FEATURES:

- Education about what engineers do
- Instructors who are female engineering students
- Workshops in engineering, mathematics, computer science and communication skills
- Hands-on experiences designing engineering projects
- Field trips to Engineering Facilities and other STEM related places
- College-life experiences



DATES AND TIMES

Program Registration

January 6, 2020—May 29, 2020

Registration Fee Due Date

March 27, 2020

Summer Program

July 6, 2020—July 31, 2020

Monday–Friday, 9 a.m.–4 p.m.

Wayne State University Campus

Academic Year Program

October 2, 2020—May 15, 2021

Two Saturdays per month, 9 a.m.–12 p.m.



WHO'S ELIGIBLE?

Current 5th grade female students who have an overall GPA of 2.5 or better and a minimum B average in math and science.

WHAT IS THE COST?

The annual cost is \$200 per student.

HOW TO APPLY?

Applications are online at esd.org. Applications will be accepted from January 6, 2020—May 29, 2020.

WHEN WILL APPLICANTS BE NOTIFIED?

The Engineering Society of Detroit will notify applicants of their acceptance or wait list status after April 2, 2020. We will not be able to respond to status requests before this date. Please provide a frequently checked email or cell phone number on the application.



CONTACT

Visit esd.org or contact Dr. Gerald Thompkins, Program Manager, at gthompkins@esd.org or 248-353-0735, ext. 139, for questions or for more information.