



**SUMMER
SPRINGBOARD**
Look Inward. Go Upward.

Automotive Engineering Infosheet

New student admissions for
Summer 2025 are open.



Program Highlights

- Collaborate in teams to design and construct a miniature vehicle that meets specific performance criteria, applying key principles of engineering and physics to solve real-world challenges.
- Discover career paths in electric vehicles and digital technology through immersive simulations.
- Hear from Mechanical, Robotics, and Automotive engineers, and other industry professionals.



2025 Dates

[University of Michigan](https://www.umich.edu)

- Session 1: July 13 - July 25



Academic Program Overview

In this program, students will focus on the design, development, and production of vehicles. This two-week program, held in Michigan—America’s automotive capital—offers students the chance to understand the fundamentals of automotive projects, from concept to creation. Using cutting-edge tools and technologies, ranging from self-driving cars to aerospace-inspired design, students will explore cross-disciplinary topics, including mechanical and electrical engineering.

By the end of the program, students will have built a functional engine model, deepening their knowledge of vehicle technology.



Excursions

Students will have the opportunity to visit the Ford Robotics Building, which features a three-story fly zone for autonomous aerial vehicles and a high-bay garage for self-driving cars, among other advanced technologies. They will also explore engineering labs and engage with simulations that highlight the future of automotive design.

Instructors

Courses are taught by accomplished and passionate faculty recruited from many area colleges, universities and professional forums. Each faculty member is selected for their subject area expertise and proven ability to both challenge and captivate students.

Tuition Information:

Residential Students:

- **Includes:** all meals, lodging, excursions, academic course, weekend excursions
- **Excludes:** optional airport pickup and drop off service (available for an additional fee)
- **Price:** \$5,698

Commuter Students:

- **Includes:** lunch, academic course, excursions, programming from 9am to 5pm, Monday-Friday
- **Excludes:** lodging, breakfast, dinner, weekend excursions
 - Weekend excursions can be added on for \$125 per day
- **Price:** \$2,998

Supplements:

- **Application fee:** Starting at \$99 (mandatory, non-refundable)
- **Tuition Protection Plan:** Allows for cancellation for any reason up until the day of the program. Click [here](#) for more info
- \$250 course supplemental fee

[More info on Airport Transfer](#)

[More info on Unaccompanied Minor Service](#)



Course Structure

There are nine 3-hour class sessions over the two-week course. During week one, students have class from 9am-12pm, Monday - Friday. During week two students have class from 9am-12pm Monday through Thursday. Wednesday afternoons are dedicated to additional academic time (excursions, speakers).



Typical Schedule



[Apply Now!](#)

Summer Springboard programs are not run by our campus partners (with the exception of Cal Poly and NYSID which are run in partnership with SSB). Universities and their affiliated departments and partners do not control and are not responsible or liable in any manner for any part of the Summer Springboard program.

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