

SUMMER SPRINGBOARD
Look Inward. Go Upward.

Automotive Engineering Infosheet

New student admissions for Summer 2027 are open.

2-Week Course

This is a two-week program where you'll focus on one course for the entire duration.

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.

2027 Dates

University of Michigan

- Session 1: July 18- July 30

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 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

Art Hyde aka. **Mr. Mustang** - Worked for Ford Automotive for 40 years, specializing in engineering the Ford Mustang. Now, he is an Associate Professor of Automotive Engineering at the University of Michigan.

Tuition Information:

Apply by November 30 to lock in the lowest prices of the year. Tuition increases on December 1.

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)
- **Course Supplement:** $250 tuition (mandatory)
- **Tuition Protection Plan**: Allows for cancellation for any reason up until the day of the program. Click here for more info

More info on Airport Transfer

More info on Unaccompanied Minor Service

Apply Now!

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. Afternoons in both weeks are dedicated to students' preferred College Readiness Workshops (CRW), True You, and Academics in Action, with Academics in Action including academic excursions, guest speakers, and course-related activities, such as an instructor-led project or student-led, independent study.

Typical Schedule

8AM	Breakfast
9AM	Academic Course / Commuter Student Arrival
12PM	Lunch
1:30PM	Academics in Action or Recreational Activity
3:30PM	CRWs, True You, or Academics in Action
5-5:15PM	Commuter Student Departure
6PM	Dinner
7PM	Clubs
10:30PM	Night Checks

Schedule above is a sampler; real schedules may vary based on program and academic track.

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