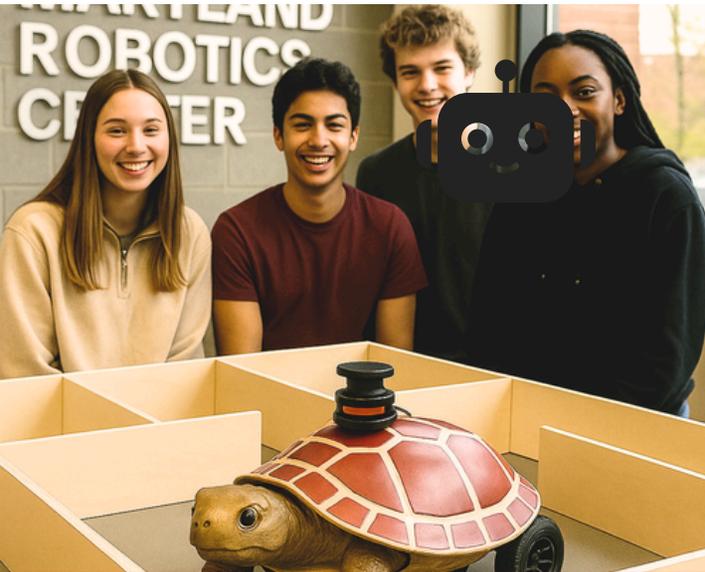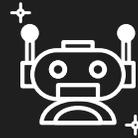## WHO CAN JOIN SPARC?

High school students (**grades 10–12**) can earn a SPARC Robotics Certificate in a **3-week summer commuter program.** Build expertise in robotics and automation with the Maryland Robotics Center at the University of Maryland.

MEET WORLD RENOWNED RESEARCHERS & LEARN AT A TOP-10 ROBOTICS PROGRAM!

Research, Education, Robotics and Innovation

SCAN ME

CONTACT:

MARYLAND ROBOTICS CENTER

3158 BRENDAN IRIBE CENTER

COLLEGE PARK, MD 20742

A. JAMES CLARK
SCHOOL OF ENGINEERING
MARYLAND ROBOTICS CENTER

STUDENT PREPARATION TO ADVANCE ROBOTICS IN COLLEGE (SPARC) CERTIFICATE PROGRAM

APPLY NOW!

BUILD EXPERTISE IN ROBOTICS AND AUTOMATION WITH THE MARYLAND ROBOTICS CENTER AT THE UNIVERSITY OF MARYLAND

A. JAMES CLARK
SCHOOL OF ENGINEERING
MARYLAND ROBOTICS CENTER

ROBOTICS-SPARC@UMD.EDU

GO.UMD.EDU/MRC-SPARC

OPEN TO LEARN HOW ROBOTICS IS ALREADY IMPROVING YOUR DAILY LIFE

WHY ROBOTICS MATTERS?

Robotics matters because it drives innovation, shapes the future, and transforms how we live and work.

TOPIC AREAS

- Autonomous Ground Vehicles (AGVs)
- 3D Nanoprinting & Additive Manufacturing
- Machine Learning & AI
- Uncrewed Aerial Vehicles (UAVs) & Drones
- Soft Bio-Inspired & Medical Robotics

ELIGIBILITY AND REQUIREMENTS

- Current 10th, 11th, and 12th graders
- High school transcript
- Resume

Students do not need prior experience in robotics to participate in SPARC, but they should be academically strong, have an interest in robotics, and demonstrate the ability to take initiative.

PROGRAM OVERVIEW

Each certificate is a 3-week summer session, weekdays 9:00 AM–3:30 PM. Students enroll in one program per session.

Early Summer Session
AGVs - 3D Nanoprinting & Additive Manufacturing - Machine Learning & AI

Late Summer Session
UAVs & Drones - Bio-Inspired & Medical Robotics - Machine Learning & AI

The Summer Program is a 3-week commuter program. Fees cover all project materials and activities, with participants signed in and out daily by an authorized adult. Lunch and transportation to/from UMD are not provided.MD are not provided.

* Please note: This is a non-credit-bearing program designed to introduce high school students to various topics of robotics and automation. Participation in the MRC SPARC program does not guarantee admission to the University of Maryland.