

Jumpstart Your Engineering Career (2024): A Summer Program on IoT and Cyber-Physical Systems Engineering



UNIVERSITY OF
MARYLAND

AT



The Universities
AT SHADY GROVE

Cyber-Physical Systems Engineering

DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING
A. JAMES CLARK SCHOOL OF ENGINEERING

Kickstart your engineering career this summer with our 5-week immersive program on IoT and Cyber-Physical Systems Engineering. From July 15th to August 16th, Monday-Thursday, 10am-4pm, get hands-on experience in electronics, sensors, microcontrollers, and more. Collaborate on projects from ideation to rapid prototyping in a real-world design setting, culminating in a Demo Day showcase.

UMD Competitive Program!

With only 32 spots available, this competitive program requires applicants to **demonstrate a solid commitment to STEM education**. It is open to Maryland high school and community college students with rudimentary programming skills. Letters of recommendation are optional but highly recommended.

Info and Due Dates



Free Tuition & Resources!

FREE: All materials & supplies, including electronic accessories, Arduino/Raspberry Pi/NVIDIA Jetson Nano boards, and cloud hosting
FREE: Tuition, except for a \$100 registration fee (upon acceptance into the program).



Deadlines

Applications are **due by April 19th, 2024**. Don't miss this chance to kickstart your engineering career! Apply now.



Apply On Time

DEADLINE IS FAST APPROACHING! Anyone interested should [CLICK HERE](#) or scan the QR code provided for an application.



This UMD summer program will be located in Rockville, Maryland

Learn Engineering

Project Development

- Ideation
- Team Formation
- Agile Development

Basic Electronics

- Circuits
- Soldering
- Components
- Instruments and Troubleshooting

Coding

- Python
- Gui Programming
- Sensor Programming and Hardware Interfacing

And much more!

- Microcontrollers and Single-Board Computers
- IoT and CPSE Fundamentals
- Message Queue Telemetry Transport (MQTT)
- Introduction to Machine Learning and Computer Vision

Contact Us



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<https://shadygrove.ece.umd.edu/>