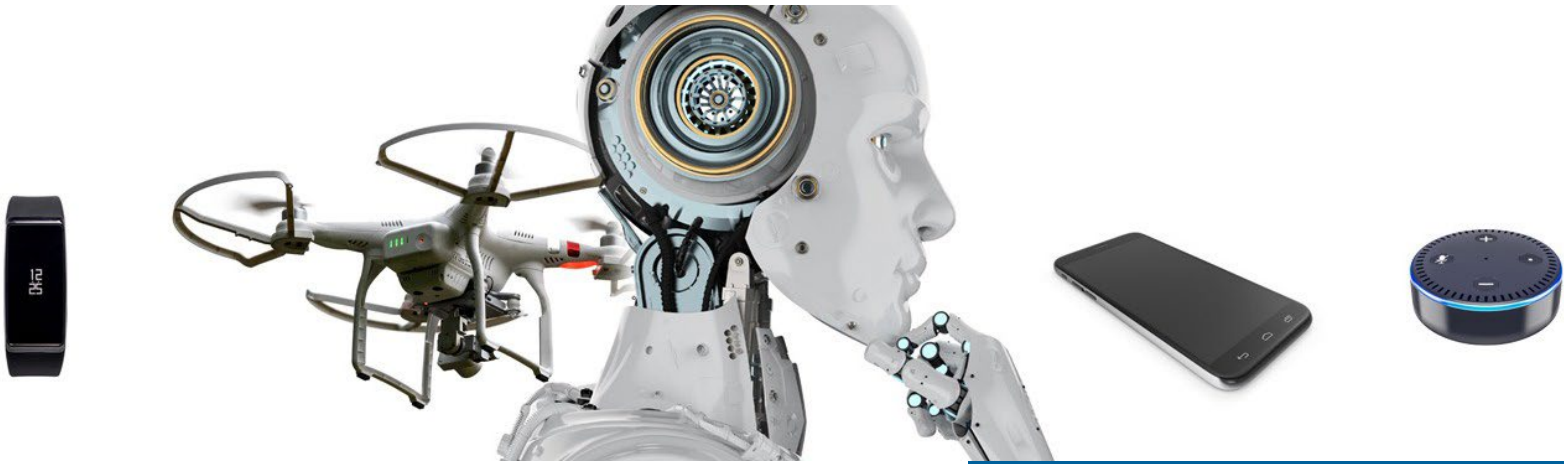


EMBEDDED SYSTEMS ENGINEERING



Intended for Software Developers and Engineers seeking the skills required to design embedded systems.

Learn Embedded C Programming language to write and execute code on real embedded controller hardware. Understand the design of firmware for event-driven programming and gain hands-on experience designing and implementing Interrupt Service Routines. Write real-time event-driven applications running under an embedded Real-Time Operating System (RTOS).

AT A GLANCE



FORMAT
Mostly Online



ESTIMATED COST
\$5,165*



DURATION
18 Months

**Excludes textbooks and materials*

PROGRAM HIGHLIGHTS:

- New curriculum featuring current case studies
- Practicing instructors who bring industry relevance to students
- Program can be completed entirely online
- Classes can be internet accessed anywhere/anytime providing schedule flexibility
- Curriculum taught in accordance with industry standards

PREREQUISITES COURSES (OPTIONAL):

- Introduction to Embedded Systems
- C/C++ Programming II: Dynamic Memory and File I/O Concepts

REQUIRED COURSES: (MUST BE TAKEN IN THE ORDER LISTED)

- Embedded Systems Hardware Design
- Embedded Controller Programming with Embedded C
- Embedded Controller Programming for Real-Time Systems
- Embedded Real-Time Operating System (RTOS)

ELECTIVE COURSES: (SELECT ANY TWO FROM THE LIST)

- Embedded Systems Hardware Interfacing
- Introduction to IoT & Embedded System
- Embedded Linux
- FPGA Design Fundamentals (FPGA I)
- FPGA II
- Data Acquisition Systems
- Introduction to Autonomous Vehicles (in-class only)

LEARN MORE:

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APPLY TODAY

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