Program Highlights

Programs designed for working engineers and technical professionals

- Master of Engineering (30-credits)
- Graduate Certificate in Engineering (12-credits)
- Courses available on-campus and at satellite locations throughout Maryland

Renowned faculty

- No GRE required for admissions
- No thesis/research to complete degree

GRADUATE ENGINEERING DEGREES IN

Robotics

Our mission is to advance robotic systems, underlying component technologies, and applications of robotics through interdisciplinary research and educational programs based on a systems approach.
Now is the time to start

Learn more and go further in your career with a graduate engineering degree designed for working engineers from one of the nation’s top-ranked engineering schools. The University of Maryland and the Clark School of Engineering are leaders in distance education and have earned a global reputation for offering high-quality academic programs.

PROGRAM AVAILABLE ON-CAMPUS AND AT SATELLITE LOCATIONS THROUGHOUT MARYLAND

MASTER OF ENGINEERING
- 10 Courses (30 credits)
- No thesis / no research
- No comprehensive exam

GRADUATE CERTIFICATE IN ENGINEERING
- 4 Courses (12 credits)

SAMPLE OF COURSES
- Introduction to Robot Modeling
- Control of Robotic Systems
- Planning for Autonomous Robots
- Perception for Autonomous Robots
- Manufacturing and Automation
- Rehabilitation Robotics
- Robot Learning

FULL LISTING OF COURSES
advancedengineering.umd.edu/robotics

ADMISSION REQUIREMENTS
- A bachelor’s degree in an engineering discipline from an accredited institution. Courses in mathematics (Calculus I, II, III, and Differential Equations) are required to be considered for admission
- 3.0 GPA or better
- Three recommendation letters
- Official GRE test scores will be considered if submitted but are NOT required
- TOEFL is required for international students
- Official copies of transcripts

Completed applications are reviewed and considered for admission on a case-by-case basis.

DOMESTIC APPLICATION DEADLINES
- FALL - July 28
- SPRING - December 15
- SUMMER - May 16

INTERNATIONAL APPLICATION DEADLINES
- FALL - March 15
- SPRING - September 30

CONTACT US FOR MORE INFORMATION:
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PHONE: 301-405-7200 or 855-309-8379

GRADUATE PROGRAMS IN ROBOTICS

Our engineering programs are administered by the Maryland Robotics Center, an interdisciplinary research center within the A. James Clark School of Engineering at the University of Maryland. The center’s research activities involve all aspects of robotics including development of component technologies (e.g., sensors, actuators, structures, and communication), novel robotic platforms, and intelligence and autonomy for robotic systems. The center consists of 34 faculty members and 20 laboratories with state-of-the-art robotics technologies, and collaborates with nearby federal labs such as the Army Research Lab, the Naval Research Lab, the National Institute of Standards and Technology, and NASA.

The Master of Engineering and Graduate Certificate in Engineering programs in Robotics are designed to meet the educational needs of engineering professionals currently working in or wishing to enter the rapidly developing field of robotic and autonomous systems.

Our programs are interdisciplinary in nature, emphasize systems thinking, and offer flexibility to concentrate in a variety of areas. Our courses are taught by faculty and professionals at the forefront of advances in robotics. These courses combine on-campus learning with live online streaming and the option for later viewing.

Robotics