



**DEPARTMENT OF ELECTRICAL AND
COMPUTER ENGINEERING**

MASTER OF SCIENCE
ROBOTICS ENGINEERING

Go *Blue!*

What makes DEARBORN different



8,224 Students
6,117 Undergraduate,
1,982 Graduate and 125 Doctoral



2,170 Degrees Granted
1,500 Bachelor's, 646 Masters
and 24 Doctoral



1:16
Faculty : Student Ratio

UMich - Dearborn students



94 %
are Michigan residents
representing 49 counties



78
birth countries represented



3.68
Average GPA of incoming
freshmen

Department of Electrical and Computer Engineering



100K \$
as an average
starting salary for a
MS Graduate in RE



What do we offer ?

7 Different Scholarship Opportunites

Graduate Students
Research and Teaching
Assitantship

10

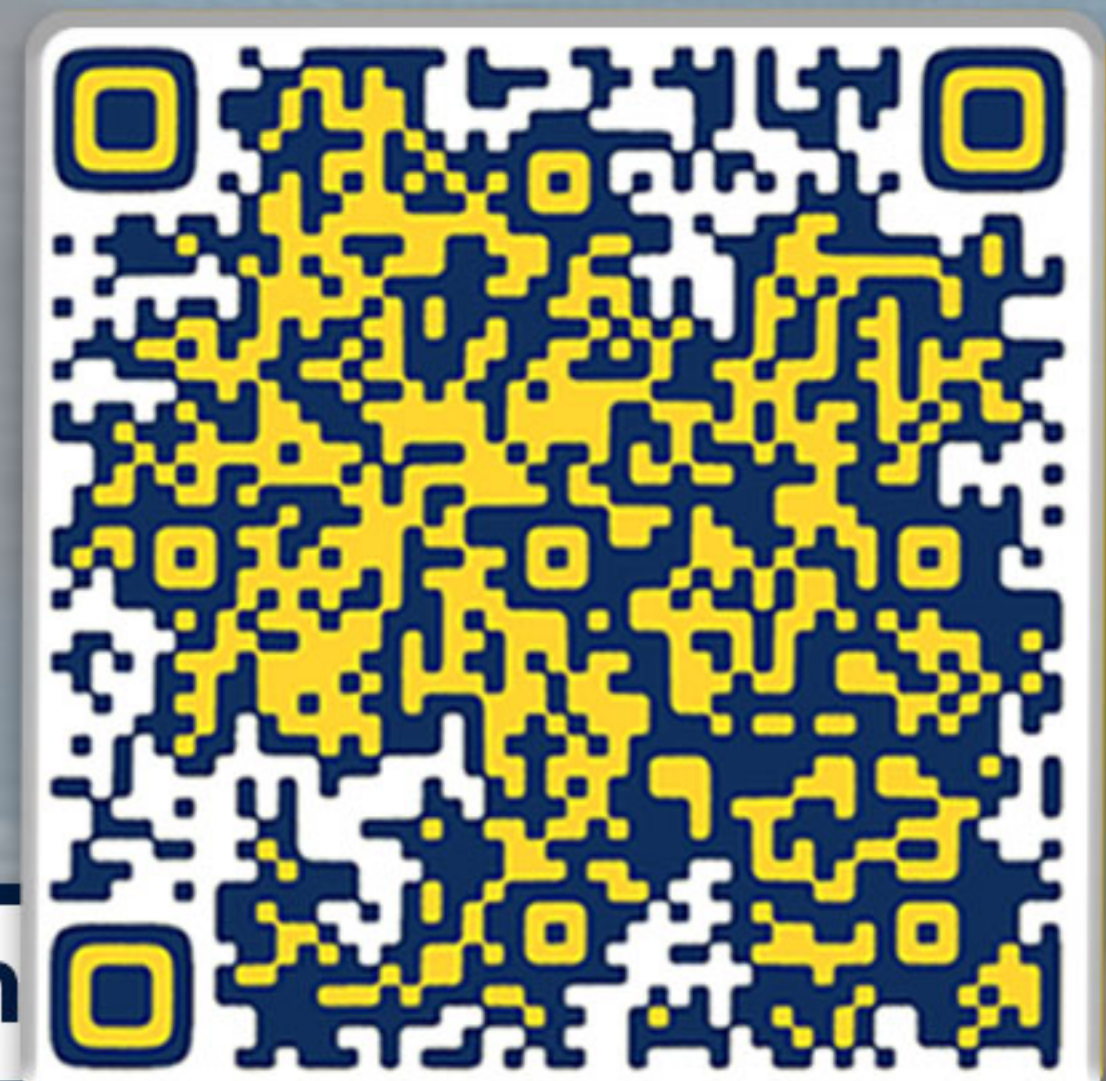
4 Graduate,
4 Undergraduate Programs
and 2 Doctoral Programs

20+

Full time and
Part time
lecturers

20

Tenured and
Tenure-Track
Faculty



Scan here for more information

About

Robotics Engineering

The 30 credit hour MSE-Robotics Engineering program can be completed entirely on campus or online, or by taking a combination of on-campus and online courses.

20+ ECE Laboratories



Robotics Engineering lab



Mobile Technologies Lab



IAVS Students Project Center



Creative Computing Lab



Project Research Laboratories

ECE Focus Areas

The college's state-of-the-art laboratory facilities offer effective and comprehensive areas for basic and applied research that support the curriculum and build strong partnerships with industry, government and the community.



Power and Energy



Sensors and chip



Cybersecurity and Internet of things



Robotics and Automation



Autonomous and Connected vehicles

Minimum Eligibility Criteria

Bachelor's degree in Electrical or Computer Engineering

Overall GPA 3.0 or Higher

contact us



Prof. Alireza Mohammadi
Program Coordinator
amohmmad@umich.edu



Prof. Jaerock Kwon
Program Coordinator
jrkwon@umich.edu

Core Courses (9 credits)

(Required)

ECE 500Math Methods for
Elec & Comp Eng**ECE 545**Introduction to
Robotic Systems

(Choose one)

ECE 543Kinematics, Dynamics,
and Control of Robots**ECE 544**Mobile
Robots

Specialization Courses (9 credits)

Sensing and Processing

Systems and
ControlMachine Learning
and ReasoningAutonomous
Vehicles

Cognate Courses (6 credits)

Students can choose 6 credits of graduate-level courses from engineering fields other than ECE.

Professional Electives (6 credits)

Master Thesis (6 credits)

Two ECE Course (6 credits)

Project or Direct study (3 credits) +
One ECE Course (3 credits)

For More Information



Address

2050 Institute for Advanced Vehicle Systems (IAVS),
Department of Electrical and Computer Engineering,
University of Michigan - Dearborn,
4901 Evergreen Road,
Dearborn, MI 48128-2406

Tel (313)593-5420

e-mail umd-ecegrad@umich.edu

Website <https://umdearborn.edu/cecs/departments.electrical-and-computer-engineering>