



ROBOTICS ENGINEERING PATHWAY

The field of robotics is creating major shifts in advanced manufacturing and other industries. Courses in this area will teach you about those changes while also helping you understand modern-day manufacturing through focused instruction in the field.

If a student chooses this pathway, each academic year (10, 11, 12) they will be required to take the four core classes (Math, English, Science and Social Studies) in addition to one required pathway class. ****The Robotics Engineering Pathway also requires a 4th pathway class in the junior year.**



ROBOTICS ENGINEERING PATHWAY SEQUENCE

SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR	RECOMMENDED ELECTIVES
English Math Science Social Studies * Robotics Elective Elective Elective	English Math Science Social Studies * Mechatronics 1 **Advanced Manufacturing 1 Elective Elective	English Math Science Social Studies * Mechatronics 2 Elective Elective Elective	Drafting and Engineering Mechanical Design 1 Physics Architecture 1 Personal Finance Drone

* Required pathway course

AVERAGE TOTAL COST OF EDUCATION IN MICHIGAN + STUDENT LOAN PAYMENT

Data in the table below is based upon average costs of higher education in Michigan. It has been provided so individuals can make informed decisions regarding the financial impact of career paths. Education costs can be reduced in various ways including financial aid, scholarships, taking affordable community college classes or commuting. To learn more about your options, talk with your school counselor.

	HIGH SCHOOL DIPLOMA	ASSOCIATE DEGREE	BACHELOR'S DEGREE	MASTER'S DEGREE †
CAREER OUTLOOK EXAMPLE	Technician Assistant \$24,530/year	Instrumentation Technician \$40,250/year	Automation Engineer \$61,350/year	Systems Engineer \$111,340/year
Tuition	N/A	\$14,320	\$43,548	\$73,208
Room and Board	N/A	N/A	\$46,000	\$69,000
Books and Fees	N/A	\$2,400	\$4,800	\$7,200
Total of Tuition, Room & Board, Books and Fees	N/A	\$16,720	\$94,348	\$149,408
	Estimated Repayment at 6.8% interest			
10 year payments monthly/yearly	N/A	\$192 monthly \$2,304 yearly	\$1,086 monthly \$13,032 yearly	\$1,719 monthly \$20,628 yearly
20 year payments monthly/yearly	N/A	\$128 monthly \$1,536 yearly	\$722 montly \$8,664 yearly	\$1,140 monthly \$13,680 yearly

Totals are based on receiving an associate degree in 2 years, bachelor's degree in 4 years and master's degree in 6 years. For more info, visit www.college tuitioncompare.com/compare/tables/?state=MI.

The Board of Education is committed to maintaining a learning/working environment in which all individuals are treated with dignity and respect, free from discrimination and harassment. There will be no tolerance for discrimination or harassment on any basis prohibited by law. The Superintendent will develop administrative regulations to implement this policy. The Superintendent designates Ms. Julia Butler, Executive Director of Employee Services and Title IX Coordinator to supervise the implementation of this policy and its implementing regulations.