



MECHANICAL ENGINEERING PATHWAY

The mechanical engineering field makes the world a better place by developing solutions for sustainable energy, safe environments, efficient transportation and much more. Courses in this area will help you understand how to improve crucial systems and processes that span industries through creative problem solving.

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



MECHANICAL ENGINEERING PATHWAY SEQUENCE

SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR	RECOMMENDED ELECTIVES
English Math Science Social Studies * Mechanical Design 1 Elective Elective Elective	English Math Science Social Studies * Mechanical Design 2 ** Advanced Manufacturing 1 Elective Elective	English Math Science and/or Social Studies Elective * Advanced Manufacturing 2 Elective Elective Elective	Robotics Mechatronics 1 Drawing Physics Computer Graphics Personal Finance Architecture 1 Drafting and Design 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	Industrial Machinery Mechanics \$50,110/year	Mechanical Engineering Technician \$53,930/year	Mechanical Engineer \$88,340/year	Mechanical Engineering Manager \$167,450/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 monthly \$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.collegetuitioncompare.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.