



MECHATRONICS ENGINEERING PATHWAY

Mechatronic engineers create engineering systems that automate industrial tasks, develop mechatronic solutions and electronic control systems for existing products or processes, and investigate the cost and performance benefits of mechatronic engineering solutions.

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)

****The Mechatronics Pathway also requires a 4th pathway class in the junior year.**



MECHATRONICS PATHWAY SEQUENCE

| | | SENIOR YEAR | RECOMMENDED ELECTIVES |
|------------------------------|------------------------------|-------------------------------|--------------------------|
| English | English | English | Drafting & Design |
| Math | Math | Math | Mechatronics |
| Science | Science | Science and/or Social Studies | Advanced Manufacturing 1 |
| Social Studies | Social Studies | Elective | Physics |
| * Mechanical Design 1 | * Mechanical Design 2 | * Mechatronics 1 | Architecture 1 |
| Elective | ** Robotics | Elective | Personal Finance |
| Elective | Elective | Elective | |
| Elective | Elective | Elective | |

* 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 \$50,250/year | Automation Engineer \$89,350/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.collegetuitioncompare.com/compare/tables/?state=MI.

In compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans with Disability Act of 1990, it is the policy of the Romeo Community School District that no person shall, on the basis of race, color, religion, national origin or ancestry, gender, disability, age, height, weight, genetics or marital status be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program, activity, service, or in employment. Any employee or member of the community of Romeo Community Schools, believing to be discriminated against should contact Executive Director of Employee Services, 316 North Main, Romeo, Michigan 48065, 586-281-1429.