



## Credits, Articulations & Prerequisites

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*This program offers excellent career opportunities for both male and female students.*

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### Credits:

Cross credit with some academic courses (including 4<sup>th</sup> year related math, VPAA, math & science) may be available and will be reviewed on a case-by-case basis with each district's counseling department.

### Dual Enrollment:

- Henry Ford College

### Articulations:

- Baker College
- Washtenaw Community College

### Prerequisites:

- Junior status and on track for graduation
- GPA of 2.0 or higher in core classes

## Program Description

Mechatronics is a two-year program that combines principles and skills from several areas vital to modern day manufacturing. Electrical, Mechanical, Fluid (Hydraulics and Pneumatics), Computer Control and Automation/Robotics systems are included in Mechatronics. Through a combination of classroom and intense laboratory exposures, students are prepared for entry into a range of career opportunities throughout the manufacturing, healthcare, architecture, and other sectors of the economy.

Attendance history must meet the standard of the sending school district and additional prerequisites may be required by Henry Ford College.

## Special Features

*In cooperation with Henry Ford College, the successful Mechatronics student will finish high school having completed up to 29 hours of undergraduate credit. Should a student choose to, they can complete an Associate's degree at HFC within one year of high school graduation.*

*Leadership and work-based learning opportunities available. The students meet at the Flat Rock Assembly Plant for classes.*

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### STATEMENT OF COMPLIANCE

The Downriver Career Technical Consortium complies with all federal laws and regulations of the U.S. Department of Education. It is the policy of the Downriver Career Technical Consortium that no person on the basis of race, color, religion, national origin or ancestry, age, gender, marital status, disability or limited English proficiency shall be discriminated against or excluded from participation in any program or activity to which it is responsible or for which it receives financial assistance from the U.S. Department of Education. Furthermore, the consortium will encourage participation by all of the above.

Adopted by the Downriver Career Technical Consortium  
November 23, 1982