



STEM PARTNERSHIP – MECHATRONICS

What is it?

A partnership developed between the Downriver Career Technical Consortium, Flat Rock Assembly Plant and Henry Ford College to provide high school students the opportunity to earn college credit and credentials while still in high school. This program will allow students to prepare for a 21st Century Career in the area of Science, Technology, Engineering and Mathematics (STEM).

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

In cooperation with Henry Ford College, the successful Mechatronics student will finish high school having completed 29 hours of undergraduate credit. Should a student choose to, they can complete an Associate's Degree at Henry Ford College within one year of high school graduation. Classes will be taught at Learning Center located at the Flat Rock Assembly Plant.

Identified Students:

All students must be in good academic and behavioral standing at their home school. Students must exhibit a level of self-discipline and maturity as assessed by their high school counselor/principal. Prerequisites are listed below:

- Junior status and on course to graduate (Seniors may be admitted on a space available basis)
- GPA of 2.0 or higher in core classes
- Attendance history meets the standard of the sending school district
- Application process will be required
- Placement Evaluation

Cost:

Tuition and fees will be covered by school district through DCTC.