**Mechatronics** Mechatronics is a course that encourages creative thinking and problem solving through the use of technology and machinery. During this course students will work with robotics, design and race an electric car, and work with state-of-the-art machines used in the manufacturing industry.

**Pathway:** Engineering, Manufacturing, and Industrial Technology

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**CTE Academic Alignment:**

**Without a Personal Curriculum:**
- 4th Math
- Visual Performing and Applied Arts
- Online Learning
- 3rd Science
- 2nd World Language

**With a Personal Curriculum:**
- 3rd Social Studies
- Physical Education
- Visual Performing and Applied Arts
- High School Technical Math (Part)

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**Potential Careers:**
- Engineering
- CNC Machining
- Robotics
- Manufacturing
- Computer Aided Design (CAD) work

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**Course Considerations:**
- Basic Math
- Math +
- Basic Writing
- Writing +
- Interpersonal Communication
- Interpersonal Communication +
- Ability to complete tasks thoroughly
- Feel comfortable around operating machinery
- Fine detail oriented
- Willingness to combine shop work with academic learning
- Visualize 3D shapes from 2D drawings
- Fine motor skills/physically able to use equipment

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**Colleges for Articulation:** West Shore Community College, Davenport University, Kirtland Community College
“It’s a fun hands on, interactive learning experience”

J.T. – Hart