

# Academic year 2021-2022 Assessment Plan

## Mechatronics

Academic year 2021-2022

### Mechatronics Learning Outcomes

#### Safety

The learner will demonstrate proper workplace safety policies and procedures.

MEASURES	RESULTS	ACTIONS
<b>NOCTI Mechatronics Assessment</b> Implementation Plan (timeline) Spring 2022  Key/Responsible Personnel Mechatronics faculty  Direct - Exam (Course)  <b>Target</b>  The mean score will be equal to the national average.	<i>No results have been added.</i>	<i>No actions have been added.</i>
<b>NOCTI Mechatronics Assessment</b> Implementation Plan (timeline) Spring 2022  Key/Responsible Personnel Mechatronics faculty  Direct - Exam (Course)  <b>Target</b>  50% or more of the students will score about the national average.	<i>No results have been added.</i>	<i>No actions have been added.</i>

#### Communication

The learner will demonstrate the ability to utilize operating documents and work instructions and be able to interpret and communicate equipment logs.

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**Mechatronics**

<p><b>NOCTI Mechatronics Assessment</b></p> <p>Implementation Plan (timeline) Spring 2022</p> <p>Key/Responsible Personnel Mechatronics faculty</p> <p>Direct - Exam (Course)</p> <p><b>Target</b></p> <p>50% or more of the students will score about the national average.</p>	<p><i>No results have been added.</i></p>	<p><i>No actions have been added.</i></p>
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Instrumentation and Measurement

The learner will identify and utilize mechanical, fluid power, electrical and electronic equipment.

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Electrical

The learner will describe electrical terminology, circuits and components and interpret and analyze wiring schematics and diagrams.

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**Mechatronics**

Key/Responsible Personnel Mechatronics faculty  Direct - Exam [Course]  <b>Target</b>  The mean score will be equal to the national average.		
<b>NOCTI Mechatronics Assessment</b>  Implementation Plan [timeline] Spring 2022  Key/Responsible Personnel Mechatronics faculty  Direct - Exam [Course]  <b>Target</b>  50% or more of the students will score about the national average.	<i>No results have been added.</i>	<i>No actions have been added.</i>

Mechanical

The learner will demonstrate an understanding of mechanical components and systems.

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Hydraulic and Pneumatic Systems

**Mechatronics**

The learner will describe, identify, and assemble hydraulic and pneumatic components and systems.

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<p><b>NOCTI Mechatronics Assessment</b></p> <p>Implementation Plan (timeline) Spring 2022</p> <p>Key/Responsible Personnel Mechatronics faculty</p> <p>Direct - Exam (Course)</p> <p><b>Target</b></p> <p>50% or more of the students will score about the national average.</p>	<p><i>No results have been added.</i></p>	<p><i>No actions have been added.</i></p>

**Computer and Control Systems**

The learner will identify, program and utilize PLCs in an automation system.

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**Mechatronics**

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