

Assessment Plan 2023-2024

Mechatronics

Mission

TO train students in the areas of Pneumatics, Hydraulics and Electronic controls to the latest industry standards.

Academic year 2023-2024

Mechatronics Learning Outcomes

Safety

The learner will demonstrate proper workplace safety policies and procedures.

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

Communication

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

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

Mechatronics

Direct - Exam (Course) Target 50% or more of the students will score about the national average.		
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Instrumentation and Measurement

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

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

Electrical

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

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

Mechatronics

Target		
50% or more of the students will score about the national average.		

Mechanical

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

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

Hydraulic and Pneumatic Systems

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

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<p>NOCTI Mechatronics Assessment</p> <p>Implementation Plan (timeline) Spring</p> <p>Key/Responsible Personnel Mechatronics faculty</p> <p>Direct - Exam (Course)</p> <p>Target</p>	<i>No results have been added.</i>	<i>No actions have been added.</i>

Mechatronics

50% or more of the students will score about the national average.		
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Computer and Control Systems

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

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<p>NOCTI Mechatronics Assessment</p> <p>Implementation Plan (timeline) Spring</p> <p>Key/Responsible Personnel Mechatronics faculty</p> <p>Direct - Exam (Course)</p> <p>Target</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>