

MODULE MEC3100: SAFETY SYSTEMS**Level:** Advanced**Theme:** Guidance and Control Systems**Prerequisite:** MEC2100 Power Assist Accessories**Module Description:** Students describe how safety systems can be tested, diagnosed, replaced or repaired.**Module Parameters:** Access to related resources and vehicles with safety systems.
Note: Customer work must be checked by certified technician.**Supporting Module:** MEC2090 Electrical Components**Curriculum and Assessment Standards**

Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> demonstrate established safety and care procedures while working with safety systems list and compare safety systems that protect vehicle occupants 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> observed performance related to: <ul style="list-style-type: none"> appropriate use of equipment, tools and materials when working on safety systems specific procedures used when working on safety systems such as anti-lock braking system (ABS) and air bags. <p><i>Assessment Tool</i> <i>Assessment Checklist: Health and Safety, MECH&S</i></p> <p><i>Standard</i> <i>Performance rating of 3 on each criteria</i></p>	10
	<ul style="list-style-type: none"> measured performance related to: <ul style="list-style-type: none"> need for the development of safety systems research of vehicle safety systems comparisons of types of safety systems predicting possible future safety systems. <p><i>Assessment Tool</i> <i>Task Assessment Checklist: Safety Systems, Part 1, MEC3100-1</i></p> <p><i>Standard</i> <i>Performance rating of 3 on each criteria</i></p>	40

MODULE MEC3100: SAFETY SYSTEMS (continued)

Concept	Specific Learner Expectations	Notes
Identification/ Function	<i>The student should:</i> <ul style="list-style-type: none">• identify safety systems in selected vehicles• list the parts of these safety systems• describe the function of these systems.	Discuss hazards associated with servicing safety systems.
Inspect/Service	<ul style="list-style-type: none">• diagnose the condition and any problems found on safety systems• replace parts or make repairs to malfunctioning parts of safety systems.	
Careers	<ul style="list-style-type: none">• identify further education, working conditions and career opportunities.	