

Degree Program Student Learning Outcomes

(Complete this form for every degree or certificate granting program within your *division*.)

Directions: Complete columns A-D initially. Then, complete columns D&E at the end of the assessment cycle in the spring. Be brief in your descriptions and explanations. Focus on your top outcomes.

Department: Automotive/Transportation

Department Chair: Tom Berryman

Principal Completer of Form: A. Gatson

**Degree Program: Automotive
Body Repair**

Degree Type: Certificate

Academic Year: 2006-2007

Mission of Degree Program: The Automotive Body Repair program is designed to teach students to repair damaged body and fender parts on vehicles. The program includes the latest repair technology, welding, shop safety, metal straightening, fiberglass repair and damage estimating. Students will obtain skills which include all phases of auto body repair.

A. Student Learning Outcomes	B. Assessment Methods	C. Expected Results (Targeted Objective)	D. Actual Results Obtained (Complete at the end of assessment cycle in the spring.)	E. Use of Results (Complete at the end of assessment cycle in the spring.)
Students completing the program must demonstrate: <i>Be brief with your descriptions.</i>	List what methods you plan on using to measure the outcome.	List what intended result you expect to see. Make it measurable.	<i>When you assessed and measured your outcome, what results did you find?</i>	<i>Now that you have your results, how do you intend to use these results to improve this degree program?</i>
1. Make repairs on plastic, sheet metal, and fiberglass body parts using the appropriate techniques and materials	1. Demonstration, written tests, practical lab observations	1. 85% of the students will complete this outcome with a grade of "B" or better.	1. 91% of the students in ABR 111 achieved a grade of "B" or better.	1. Expected results were achieved. Continuing to monitor.
2. Use refinishing equipment to repair and paint vehicles including surface preparation and masking.	2. Demonstration, written tests, practical lab observations	2. 85% of the students will complete this outcome with a grade of "B" or better.	2. 63% of the students in ABR 122 achieved a grade of "B" or better.	2. The ABR Program will increase the use of computer aided learning programs and hands on lab activities in these classes, in order to increase its "B" average to 85%.
3. Estimate collision damage repair costs	3. Written tests, practical lab observations	3. 85% of the students will complete this outcome with a grade of "B" or better.	3. 63% of the students in ABR 213 achieved a grade of "B" or better.	3. The ABR Program will increase the use of computer aided learning programs and hands on lab activities in these classes, in order to increase its "B" average to 85%.
4. Color and blend automobile panels	4. Demonstration, written tests, practical lab observations	4. 85% of the students will complete this outcome with a grade of "B" or better.	4. 52% of the students in ABR 123 achieved a grade of "B" or better.	4. The ABR Program will increase the use of computer aided learning programs and hands on lab activities in these classes, in order to increase its "B" average to 85%.
5. Diagnose and make electrical repairs	5. Demonstration, written tests, practical lab observations	5. 85% of the students will complete this outcome with a grade of "B" or better.	5. 88% of the students completed this activity with a grade of "B" or better.	5. Expected results were achieved. Continuing to monitor.

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Department: Automotive/Transportation

Department Chair: T. Berryman

Principal Completer of Form: L. Marshall

Degree Program: Automotive Mechanics

Degree Type: Certificate

Academic Year: 2006-2007

Mission of Degree Program: To prepare students for successful employment or advancement as automotive technicians.

A. Student Learning Outcomes	B. Assessment Methods	C. Expected Results (Targeted Objective)	D. Actual Results Obtained (Complete at the end of assessment cycle in the spring.)	E. Use of Results (Complete at the end of assessment cycle in the spring.)
<p>Students completing the program must demonstrate: <i>Be brief with your descriptions.</i></p>	<p>List what methods you plan on using to measure the outcome.</p>	<p>List what intended result you expect to see. Make it measurable.</p>	<p><i>When you assessed and measured your outcome, what results did you find?</i></p>	<p><i>Now that you have your results, how do you intend to use these results to improve this degree program?</i></p>
<p>1. Gainful employment as an automotive technician</p>	<p>1. Job placement records</p>	<p>1. 90% of all students will find in-field employment within 3 months of graduation.</p>	<p>1. 100% of all graduates are employed in-field.</p>	<p>1. Continue to encourage students to start their automotive related careers.</p>
<p>2. Troubleshooting and repairing systems, subsystems and components of electrical and electronic systems</p>	<p>2. Observations, written exams and practical lab projects</p>	<p>3. All students will perform at 85% accuracy in AUM 110 and 210.</p>	<p>2. Average student performance is 53%.</p>	<p>2. Encourage students to attend classes on a regular schedule. Read their book and study.</p>
<p>3. Working knowledge on the operation design and the repair of automotive engines</p>	<p>3. Observations, written exams and practical lab projects</p>	<p>4 All students will perform at 85% accuracy in AUM 124, 220, 239, and 244.</p>	<p>3. Average student performance is 47%.</p>	<p>3. Encourage students to attend class; nearly every student that has an A or B in a course attends class every day. I always give written make-up test, but missing labs over and over will kill a grade .An absentee policy would raise A-B %</p>
<p>4. An understanding and application of basic internal and external operation relating to proper operations and drivability of manual and automatic transmissions and transaxles</p>	<p>4. Observations, written exams and practical lab projects</p>	<p>5 All students will perform at 85% accuracy in AUM 224 and 230.</p>	<p>4 . Average student performance is 61%.</p>	<p>4. Encourage students to attend classes on a regular basics. Many AUM students have to work a full time job. I will continue to encourage them to get up and come to class. At least 40% of my test are make-up test.</p>

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Department: Automotive/Transportation		Department Chair: T. Berryman Principal Completer of Form: T. Berryman		
Degree Program: Automotive Service (Ford, GM, Toyota)	Degree Type: Associate Degree	Academic Year: 2006-2007		
Mission of Degree Program: To prepare students for successful employment or advancement in either the Ford, General Motors, or Toyota automotive technology field through various instructional methods including theory classes, practical laboratory, shop experiences, and cooperative education work experience with area dealerships.				
A. Student Learning Outcomes	B. Assessment Methods	C. Expected Results (Targeted Objective)	D. Actual Results Obtained (Complete at the end of assessment cycle in the spring)	E. Use of Results (Complete at the end of assessment cycle in the spring)
Students completing the program must demonstrate: <i>Be brief with your descriptions.</i>	List what methods you plan on using to measure the outcome.	List what intended result you expect to see. Make it measurable.	<i>When you assessed and measured your outcome, what results did you find?</i>	<i>Now that you have your results, how do you intend to use these results to improve this degree program?</i>
1. Gainful employment in a product specific dealership	1. Job placement records	1. 95% of all students will find in-field employment within 3 months of graduation.	1. 100% of the ASE students were employed in-field at time of Graduation.	1. Expected results were achieved. Continuing to monitor.
2. Effectively perform tasks assigned during their dealership work experience	2. Observations by dealership and instructor	2. 95% of all students will achieve a "B" or better in ASE 150, 160, 250 and 260.	2. 97% of the ASE students achieved a "B" or better in ASE 150, 160, 250 and 260.	2. Expected results were achieved. Continuing to monitor.
3. Troubleshooting and repairing systems, subsystems and components of electrical and electronic systems	3. Observations, written exams and practical lab projects	3. 95% of all students will achieve a "B" or better in ASE 110 and 210.	3. 74% of the ASE students achieved a "B" or better in ASE 110 and 210.	3. The ASE Programs will increase the use of computer aided learning programs and hands on lab activities in these classes, in order to increase its "B" average to 95%.
4. Working knowledge on the operation design and the repair of automotive engines	4. Observations, written exams and practical lab projects	4. 95% of all students will achieve a "B" or better in ASE 124, 220, 239, and 244.	4. 86% of the ASE students achieved a "B" or better in ASE 124, 220, 239, and 244.	4. The ASE Programs will increase the use of computer aided learning programs and hands on lab activities in these classes, in order to increase its "B" average to 95%.
5. An understanding and application of basic internal and external operation relating to proper operations and drivability of manual and automatic transmissions and transaxles	5. Observations, written exams and practical lab projects	5. 95% of all students will achieve a "B" or better in ASE 224 and 230.	5. 85% of the ASE students achieved a "B" or better in ASE 224 and 230.	5. The ASE Programs will increase the use of computer aided learning programs and hands on lab activities in these classes, in order to increase its "B" average to 95%.

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Department: Automotive/Transportation		Department Chair: T. Berryman Principal Completer of Form: L. Dansby		
Degree Program: Medium/Heavy Truck Technician	Degree Type: Certificate and Associate Degree	Academic Year: 2006-2007		
Mission of Degree Program: The mission of the Medium/Heavy Truck Technician program is to prepare students for successful employment or advancement as heavy-duty diesel technicians.				
A. Student Learning Outcomes	B. Assessment Methods	C. Expected Results (Targeted Objective)	D. Actual Results Obtained (Complete at the end of assessment cycle in the spring.)	E. Use of Results (Complete at the end of assessment cycle in the spring.)
Students completing the program must demonstrate: <i>Be brief with your descriptions.</i>	List what methods you plan on using to measure the outcome.	List what intended result you expect to see. Make it measurable.	<i>When you assessed and measured your outcome, what results did you find?</i>	<i>Now that you have your results, how do you intend to use these results to improve this degree program?</i>
1. Gainful employment as medium and heavy truck technicians	1. BSS 220 and job placement results	1. 85% of all students will attain in-field employment within 3 months of graduation.	1. 100% of all graduates are working in- field.	1. Continue to work with the trucking industry to get students employed.
2. A working knowledge of the tools and equipment used by a technician	2. Demonstrations, written exams and practical lab observations	2. 80% of all graduates will attain a "B" or better in DEM 111.	2. 60% of all graduates received a grade of "B" or better.	2. . Incorporate more lab and real life experiences whenever possible.
3. How to diagnose problems, repair diesel engines and perform preventive maintenance on medium and heavy trucks	3. Demonstrations and practical lab observations	3. 80% of all graduates will attain a "B" or better in DEM 104, 105, 124 and 126.	3. 67% of all graduates received a grade of "B" or better.	3. Incorporate more lab and real life experiences whenever possible.
4. How to inspect, diagnose, and repair mechanical transmissions, suspension and steering components	4. Demonstrations and practical lab observations	4. 80% of all graduates will attain a "B" or better on all projects in DEM 125 and 135.	4. 70% of all graduates received a grade of "B" or better.	4. . Incorporate more lab and real life experiences whenever possible.
5. How to inspect, diagnose, adjust and repair hydraulic system components	5. Demonstrations and practical lab observations	5. 80% of all graduates will attain a "B" or better on all projects in DEM 123.	5. Did Not Offer This Class During the Evaluation Period.	5. Will offer in 2007/08 calendar year.