

Eastern West Virginia Community and Technical College

COURSE ASSESSMENT REPORT

Course Title and Number: ATT 100 Introduction to Automotive Technology (1 credit)	Academic Term and Year of Assessment Activity (Ex: Fall, 2010) Fall 2010
Report Submitted By: Doug Swick	Number of Students Assessed: 6 students completed assessment
Date Reported Submitted: February 8, 2011	Number of Sections Included: 1
Course Delivery Format (list all modalities used in sections assessed. Ex: web based, VDL, traditional section, hybrid course, etc.): lecture/lab course, traditional course delivery	

Course Role in Curriculum
Provide a description of the role the course serves in the curriculum (i.e. general education requirement, program technical core, restricted elective, etc.) Note all as appropriate.
ATT 100 is a technical core requirement (1 credit) for automotive students in both the certificate and associate degree programs. This course introduces students to basic skills in automotive technology and service. Students become familiar with general shop safety, care and use of proper tools, electrical symbols, and basic automotive electrical systems. Students learn the proper use of protective equipment, methods for handling hazardous materials; proper selection, use and maintenance of tools; general electrical troubleshooting; battery, starter, and regulators maintenance and replacement; and general inspection and replacement of fan belts and pulleys.

Assessment Methods
Provide a description of the assessment process used. Include description of instrument and performance standards in description. Note all methods.
The ATT 100 course assessment report focuses specifically on basic automotive technology skills with an emphasis on safety and practical aspects of automotive service functionality. Lab based task sheets were used as the basic data collection instruments for this assessment. Six learning outcomes were assessed by analyzing results of classroom/lab observation based task sheets. The task sheets were completed for each student by directly observing the student performing each designated task. All task sheets are NATEF based for adherence to national automotive repair standards. The 6 learning outcomes were assessed through the application of 5 task sheets. In total, 48 scoring items were incorporated into this assessment report. Each item was weighted equally with a score of one point. Students could attain a total composite score of 48, a minimum composite score of 38 was necessary to meet the established performance standard of 80%. Scores were further analyzed in two broad categories: 1.) basic safety principles-minimum score 18 out of 22; and 2.) material handling and tool usage- minimum score 21out of 26 The outcomes assessed are grouped into the 2 categories and are listed below: Basic safety principles 1. Recognize and follow general shop safety guidelines. 2. Select and wear appropriate protective equipment. 4. Conduct safety inspections in the lab. Material handling and tool usage 3. Describe safety precautions necessary when using hazardous materials. 5. Choose the proper hand tools for given applications, and describe the proper care and maintenance of each. 6. Choose the proper power tools for given applications and describe the proper care and maintenance of each.

Assessment Results
Provide a summary of results including tables/charts. Incorporate information from previous assessments as appropriate. Append additional pages if necessary. If appending, include notation in box to "See Attached."
See Attachment for Task Sheets
Basic Safety Principles: 100% of the students completed 21-22 tasks correctly, exceeding the minimum standard of 18 (i.e., 80% of the tasks).

Material Handling and Tool Usage: 100% of the students completed 23-26 of the 26 tasks correctly, exceeding the minimum standard of 21 (i.e. 80% of the tasks).

Distribution of Scores for Outcomes and Composite Score per Task Sheet Analysis N=6			
Student ID #	Principle Score (Standard: 18 out of 22)	Diagnosis Score (Standard 21 out of 26)	Composite Score (Standard 38 out of 48)
1	21	26	47
2	21	23	44
3	21	26	47
4	21	25	46
5	22	24	46
6	22	26	48
Total Sample for Points	128	150	278
% at Minimum Standard	100%	100%	100%

Course Level Assessment Summary of Outcomes, Indicators and Results Course Title and Number Number of students in assessment sample = 6 Number of Sections in Assessment = 1 Add additional rows to table if necessary				
Learning Outcomes (Insert learning outcomes assessed during this cycle)	Indicator (Insert indicators used for each outcome: exam question, scoring rubric, etc. Be specific)	Percent of Correct Responses	Percent of Incorrect Responses	Performance Standard Met (75%)* (yes or no)
Composite Score	Total composite score: minimum of 46 out of 58 points for completed task sheets (Total points for sample=288, 278 answered correctly)	97%	3%	Yes
Outcome 1: Basic Safety Principles	Task Sheets for: Shop Safety Checklist Vehicle Hoisting Performance Standard: minimum of 18 out of 22 points Total points for sample=132; 128 answered correctly.	97%	3%	Yes
Outcome 2: Material Handling and Tool Usage	Task Sheets for: Hand Tool Identification Shop Equipment Safety Survey Oxy-Acetylene Torch Usage Performance Standard: minimum of 21 out of 26 points. (Total points for sample=288; 278 answered correctly).	97%	3%	Yes

*Please note if using a different minimum performance standard.

Conclusions and Action Plan Provide a brief summary of conclusions derived based on analysis of data. Identify action plan for improvement or maintaining current performance levels. Append additional pages if necessary. If appending, include notation in box to "See Attached."
Based on an analysis of the completed task sheets for the designated learning outcomes, the results indicate that the learning outcomes have been met successfully. However, during both the delivery of course material and the observation of students completing individual task sheets it is apparent that the course focus and learning outcomes need to be revised. The scope of the learning outcomes is too broad and encompasses more material than can be taught or learned correctly. Learning outcomes that focus only on safety, tool and equipment usage and correct material handling should constitute the entirety of this course. A suggested revised course description and learner outcomes is attached in the form of a revised master course record.

Effective Date for Changes or Curriculum Proposal Submission to LOT (if recommended)	Proposed Date for Reassessment

Assessment Committee Approval (To be posted by Assessment Committee Chair)	LOT Review (To be posted by Assessment Committee Chair)
Date: 2-28-11 (SB-G)	Date: 3-21-11 (SB-G)