

**Automotive Service Technology: GM ASEP**  
**Program and Core Objectives Summary**  
**August 2005**

<b>OBJECTIVE TYPE &amp; No.</b>	<b>OBJECTIVE DESCRIPTION</b>	<b>FORMATIVE ASSESSMENT</b>	<b>SUMMATIVE ASSESSMENT</b>
<b>Core 1</b>	Effectively communicate electronically, verbally, and in writing	70% or higher on professional resume in ENGL 1033 Tech Writing I; essay/portfolio in ENGL 1113 Freshman Comp I; persuasive speech in SPCH 1113 Intro to Speech Communication	70% or higher on incident report in ENGL 2033 Tech Writing II or research paper ENGL 1213 Freshman Comp II
<b>Core 2</b>	Demonstrate logical, systematic problem-solving techniques	70% or higher on MATH 1513 College Algebra or MATH 2003 Business Math Comprehensive Exam	70% or higher on complete set of coursework and exams in AUMG 2782 Adv. Automotive Diagnostics
<b>Core 3</b>	Develop and display a sense of personal, social and professional ethics	70% or higher on Professional Interview Code of Ethics Analysis in PHIL 1213 Ethics	70% or higher on complete set of coursework and exams in AUMG 2595 Internship V
<b>Core 4</b>	Explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study	70% or higher on HIST1483 U.S. History to 1865, HIST1493 U.S. History since 1865, or POLS 1113 U.S. Government Comprehensive Exam	70% or higher on complete set of coursework and exams in POLS 1113 US Government
<b>Core 5</b>	Access and use technology appropriate to one's industry or field of study	70% or higher on GTIT 1133 Info Tech & Applications Comprehensive Exam	70% or higher on Final Project in AUMG 2682 GM Capstone
<b>Program 1</b>	Diagnose, service and repair automotive engines as it pertains to their mechanical performance	70% or higher on complete set of assignments and exams in GM Automotive Engines I AUMG 1122	70% or higher on complete set of assignments and exams in GM Automotive Engines II AUMG 1132
<b>Program 2</b>	Diagnose, service and repair automotive engines as it pertains to their fuel economy/emissions and drive-ability	70% or higher on mid-term exam in GM Auto Engine Performance AUMG 2582	70% or higher on complete set of assignments and exams in GM Auto Engine Performance AUMG 2582
<b>Program 3</b>	Diagnose, service and repair automatic transmissions and transaxles	70% or higher on complete set of assignments and exams in GM Auto Transmissions/Transaxles I AUMG 2522	70% or higher on complete set of assignments and exams in GM Auto Transmissions/Transaxles II AUMG 2632
<b>Program 4</b>	Diagnose, service and repair automotive manual drive trains and axles	70% or higher on complete set of assignments and exams in GM Automotive Manual Drive Train I AUMG 1272	70% or higher on complete set of assignments and exams in GM Auto Manual Drive Train II AUMG 1312
<b>Program 5</b>	Diagnose, service and repair automotive steering and suspension systems	70% or higher on complete set of assignments and exams in GM Auto Suspensions & Steering I AUMG 1292	70% or higher on complete set of assignments and exams in GM Auto Suspensions & Steering II AUMG 1322
<b>Program 6</b>	Diagnose, service and repair electrical systems and electronics	70% or higher on complete set of assignments and exams in GM Electrical Systems I AUMG 1302	70% or higher on complete set of assignments and exams in GM Electrical Systems II AUMG 1342
<b>Program 7</b>	Diagnose, service and repair automotive brakes	70% or higher on complete set of assignments and exams in GM Automotive Brake Systems I AUMG 1142	70% or higher on complete set of assignments and exams in GM Automotive Brake Systems II AUMG 1152
<b>Program 8</b>	Diagnose, service and repair automotive air conditioning and heating systems	70% or higher on complete set of assignments and exams in GM Automotive Heating & AC I AUMG 2532	70% or higher on complete set of assignments and exams in GM Automotive & AC II AUMG 2672

*Note: Assessments in white areas are conducted in Arts & Sciences and in IT. Assessments in gray areas are conducted in Automotive Service Technology.*