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| **(AUTO B34)** | | | | |
| **Student Learning Outcomes or AUO** | **Measure** | **PLO** | **ILO** | **GE** |
| 1. Effectively utilize the capabilities of a scan tool to analyze and interpret test results or data to solve automotive repair problems. | Pre-test/Post-test | 1,2,3 | I,III | N/A |
| 2. Analyze ignition, fuel and emission malfunctions and be able to formulate a diagnostic strategy | Pre-test/Post-test | 1,2,3 | I,II,III | N/A |
| 3. Perform pinpoint tests on ignition, fuel, and emission sensors/actuators then compare the readings against factory specifications. | Pre-test/Post-test | 1,2,3 | I,II,III | N/A |
| **PLOs:**  1. Demonstrate proficiency in technical skills and safety principles required for employment in the transportation and related industries performing engine performance work.  2. Demonstrate their ability to assess, evaluate and solve engine performance problems common to automotive, industrial, and agricultural industries.  3. Demonstrate a thorough understanding of the core engine performance material required for transfer to a four year university or certification in the department programs.  **ILOs:**   1. **Think critically and evaluate sources and information for validity and usefulness.** 2. **Communicate effectively in both written and oral forms.** 3. **Demonstrate competency in a field of knowledge or with job-related skills.** 4. **Engage productively in all levels of society – interpersonal, community, the state and nation, and the world.**   **GELOs:**  **Use the GE categories from the catalog if this is a GE course.**  **A-E** | | | | |