**Amarillo College Curriculum Map Template**

**Division:** Technical Education  
**Degree/Academic Program(s):** Automotive (AUMT.AAS; AUMT.CERT.CHSS; AUMT.CERT.PTRN) **Person Responsible for Division:** Megan Eikner, Dean

**Person Responsible for Area/Title:** Donnie Archer, Scott Bratcher, Brian Jacob   
**Component Director/Chair**: Brian Jacob **Submission Date:** Fall 2015  
**Purpose Statement:** The mission of the Automotive program is to prepare students for entry level employment by educating through the use of classroom technology and hands on skills demonstration-practice needed to succeed.

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| **Goal #1:** The Automotive program will prepare students to demonstrate their analytical skills to a level high enough to take and pass the Automotive Service Excellence (ASE) certification exams. | | | | | |
| **Program-Specific Courses** | **PLO #1:**  Students will use service information and perform basic automotive service and maintenance. | **PLO #2:**  Students will diagnose and repair ignition and fuel delivery systems; and use current engine performance diagnostic equipment. | **PLO #3:**  Students will diagnose and repair hydraulic systems, drum/disc brake systems, parking brakes, and anti-lock brake systems. | **PLO #4:** Students will diagnose and repair automotive HVAC systems including automatic temperature control. | **PLO #5:**  Students will perform wheel alignments. |
| **1305 Intro to Auto** | **I** | **I** | **I** | **I** | **I** |
| **1310 Brakes** | **I** |  | **D** |  |  |
| **1319 Engine Repair** | **D** | **D** |  |  |  |
| **1316 Suspension/Strng** | **D** |  | **D** |  | **D** |
| **2317 Eng Perf I** | **D** | **D** |  |  |  |
| **2334 Eng. Perf II** | **D** | **D** |  |  |  |
| **1345 HVAC** | **D** |  |  | **D** |  |
| **2313 Man Dr. Trn** | **D** |  | **D** |  |  |
| **2325 Auto Dr. Trn** | **D** |  |  |  |  |
| **2337 Electronics** | **D** |  |  |  |  |
| **2328 Auto Service** | **D** | **D** | **D** | **D** | **D** |

**I = Introduced; D = Developed & Practiced with Feedback; M = Demonstrated at Mastery**

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| **Goal #2:** Graduates will apply the skills and knowledge they learn to actual situations. | | | | | |
| **Program-Specific Courses** | **PLO #1:**  Students will service, diagnose, and repair vehicle systems and maintain shop facilities and equipment. | **PLO #2:**  Students will diagnose and repair ignition and fuel delivery systems; and use current engine performance diagnostic equipment. | **PLO #3:** Students will diagnose and repair hydraulic systems, drum/disc brake systems, and anti-lock brake systems. | **PLO #4:**  Students will diagnose and repair automotive HVAC systems including automatic temperature control. | **PLO #5:**  Students will perform wheel alignment procedures; and perform tire service and repair. |
| **1305 Intro to Auto** | **I** | **I** | **I** | **I** | **I** |
| **1310 Brakes** | **M** |  | **D, M** |  |  |
| **1319 Engine Repair** | **D** | **D** |  |  |  |
| **1316 Suspension/Strng** | **D** |  | **D** |  | **D, M** |
| **2317 Eng Perf I** | **D** | **D** |  |  |  |
| **2334 Eng Perf II** | **D** | **D** |  |  |  |
| **1345 HVAC** | **D** |  |  | **D, M** |  |
| **2313 Man Dr. Trn** | **D** |  | **D** |  |  |
| **2325 Auto Dr. Trn** | **D** |  |  |  |  |
| **2337 Electronics** | **D** | **D** |  |  |  |
| **2328 Auto Service** | **D** | **D** | **D** | **D** | **D** |

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| **Goal #3:**   1. The Automotive program will actively recruit more female students from area high schools. |