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| Career Technical Education (CTE) Program of Study for Entry into Community College | | | | | | | | | | | | | | | |
|  | | | **Name:** | | | **ID:** | | **Gr:** | | **Department:** Industrial Technology | | | | | |
| **Industry Sector:**  Transportation | | | **Career Pathway:**  Systems Diagnostic, Service and Repair | | | | | | **Student Organization or Club:**  Skills USA | | | |
| **Recommended High School Course Schedule** | | | | | | | | | | | | | | | |
| ***Level*** | ***Grade*** | ***English*** | | ***Social Studies*** | ***Math*** | ***Science*** | ***Other Required Courses, Electives, CTE*** | | | | ***Other Required Courses, Electives, CTE*** | | | ***Work-Based***  ***Learning Activities*** | |
| Secondary | 9 | English 1 | | Geography & Health & Wellness | Algebra I | Life Science | Physical Ed 1 | | | | Strategic English | | | * Skills USA | |
| 10 | English 2 | | World History | Geometry | Biology | Physical Ed 2 | | | | \*\*Automotive Mechanics I | | | * Skills USA * ROP Industry Day | |
| 11 | English 3 | | US History | Algebra 2/ Trigonometry | Physics | \*\*Small Engines (IT or Ag) | | | | \*\*Automotive Mechanics II | | | * Skills USA | |
| 12 | English 4 | | Government & Economics | College Prep Math or  **CTE Elective**  \*\*Computer Applications I | **Other**  Fine Arts or Foreign Language | \*\*Beginning Drafting | | | | Metal Shop I or  \*\*Ag Welding I (IT or Ag) | | | * Skills USA * Senior Exit Interviews | |
| Postsecondary | **Articulated Courses: Student earns Merced College units of credit for the identified college course when student passes the ACE (Articulated Credit by Exam)** | | | | | | | | | | | | | | |
| MUHSD/ROP | | | | | | MERCED COLLEGE | | | | | | | | UNITS |
| Auto Mechanics I/II (only one class receives credit) | | | | | | AUTO 04: Automotive Mechanics | | | | | | | | 3 |
| Small Engines | | | | | | MECH 15: Small Engine Repair/Maintenance | | | | | | | | 3 |
| Beginning Drafting | | | | | | DRFT 04A: Fundamentals of Computer-Aided Drafting | | | | | | | | 3 |
| Ag Welding I,II (only one class receives credit) | | | | | | WELD 06: Fundamentals of Oxy-Fuel Welding and Shielded Metal Arc Welding | | | | | | | | 3 |
| Computer Applications I | | | | | | AOM 50B: Document Formatting and Keyboarding/CPSC 30 Computer App | | | | | | | | 6 |
| ***\*ROP Certificate Earned at Completion of Course \*\*Merced College credit earned through articulation \*\*\*ROP & Articulation*** | | | | | | | | | | | | | | | |
| Merced Community College Coursework Related to the Pathway | | | | | | | | | Sample Occupations Related to This Pathway | | | | | | |
| Degrees & Certificates | | | | | Sample Courses | | | | AA or AS Degree or Certificate | | | | BS or BA Degree | | |
| Degrees:  AA – Automotive Technology  AA – Toyota-approved Auto Technology  Certificates:  Body and Fender  Engine Performance  Suspension and Brakes  Transmissions  Toyota-approved Auto Technology | | | | | AUTO 32: Wheel Alignment and Suspension  AUTO 33: Automotive Brake Systems  AUTO 42: Automotive Electrical Systems  AUTO 43: Automotive Fuel Systems  AUTO 47: Engine Performance  AUTO 50: Auto Body Repair and Painting  AUTO 62: Basic Automotive Electronics for Technicians  AUTO 65: Automotive Parts and Service Advising | | | | Lube/Vehicle Maint. Technician  Brakes/Suspension Technician  Automotive Heavy Line Mechanic  Diesel Equipment Mechanic  Teacher’s Aide/Assistant  Parts Counterperson  SMOG Technician  Service Writer | | | | Shop Manager  Fleet Manager  Parts and Service Manager  Automotive Corporation Service Representative  Insurance Claims Adjuster  Automotive Instructor | | |

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