



BUSINESS AND WORKFORCE DIVISION
 LIBRARY/EDUCATION TECHNOLOGY BUILDING
 ROOM LE-220
 (408) 270-6434

STUDENT SUCCESS CENTER
 STUDENT SERVICES BUILDING
 ROOM SC-250
 (408) 270-6475

CERTIFICATE OF ACHIEVEMENT

2018-2019

AUTOMOTIVE TECHNOLOGY, DRIVETRAIN & CHASSIS

This course of study provides significant training and applicable skills development for future employment as automotive service technicians. Topics include: brakes, transmission, air conditioning, suspension, steering, and basic body chassis electrical systems. Students will acquire and demonstrate skills using classroom, lab, and on-line vehicle diagnostic/repair simulations using specialized test equipment and service literature that is consistent with industry practices. Students will also execute safe, proper, and ethical work practices. Students must complete each course with a grade of "C" or better.

Program Learning Outcomes:

- Demonstrate a global understanding of various automotive systems and the ability to discern complaint, cause, and correction of complex and interrelated symptoms.
- Demonstrate the ability to diagnose, inspect, measure, and repair transmission, drivetrain, AC, brake and suspension systems in a competent and professional manner.
- Apply basic electrical principles to the repair of Chassis and Drivetrain systems.
- Execute safe, proper, and ethical work practices.

AUTO	102	Automotive Systems	3.5
AUTO	103	Light Line Technician	2.0
AUTO	105	Suspension, Steering, and Alignment	3.0
AUTO	106	Automotive Brake Systems	2.0
AUTO	119	Introduction to Engine Performance	2.5
AUTO	120	Automatic Transmission Systems	2.5
AUTO	121	Manual Transmission and Drivetrain Systems	2.0
AUTO	135	Air Conditioning Systems	2.0
AUTO	170	Electrical Systems	3.0
AUTO	171	Engine Systems	2.5
AUTO	172	Chassis and Drivetrain Systems	2.5
AUTO	173	Automotive Service Operations	2.0
AUTO	174	Body & Chassis Electronics	2.0
Total Certificate Units			31.5