



DIVISION OF CAREER & TECHNICAL EDUCATION

ADVANCED ENGINE PERFORMANCE

ASSOCIATE OF SCIENCE DEGREE

The courses listed in the Associate of Science Degree comprise a comprehensive list of job skills needed to work in the specialized field of automotive advanced engine performance diagnostics. The skills developed during lecture and lab will enhance students' ability to complete the industry-recognized Automotive Service Excellence (ASE) Certification Tests A6 (Electrical/Electronic Systems), A8 (Engine Performance), and L1 (Advanced Engine Performance). The degree is designed to prepare students for transfer and/or entry-level employment as an automotive engine performance diagnostic technician.

To acquire the **Associate of Science Degree in Advanced Engine Performance**, students must complete the required major courses below with a grade of "C" or better along with one of the following:

- o RHC GE and Proficiency requirements
- o CSU GE (California State University General Education Breadth)
- o IGETC (Intersegmental General Education Transfer Curriculum)

Required Courses		Units	N	IP	C
AUTO 065	Smog Technician Diagnostic and Repair Procedures	3			
AUTO 101	Introduction to Automotive Service and Repair: Underhood Service	3			
AUTO 103	Introduction to Automotive Service and Repair: Undercar Service	3			
AUTO 106	Automotive Electrical Tools and Diagnostic Procedures	3			
AUTO 107	*Introduction to Automotive Light Service	3			
AUTO 115	*Computerized Engine Controls and Diagnostics	3			
AUTO 130	Level-I Smog Technician Training Course: Engine and Emission Control Fundamentals	3			
AUTO 135	Level-II Smog Technician Training Course: Smog Check Inspection Procedures	3			
AUTO 150	*Engine Electrical Systems	4			
AUTO 157	*Automotive Specialized Electronics Training	4			
AUTO 160	*Upper End Engine Rebuilding and Machining	4			
Total major units needed for Associate of Science		36			
Units Completed					
*Prerequisite/Corequisite					