AUTOMOTIVE TECHNOLOGY

DESCRIPTION
The Cuesta College Automotive Technology Department (a NATEF Certified Program) has served students, the automotive service industry, and the community for over 40 years with course offerings in 22 specialized areas of concentration. Students enrolled in these courses have the opportunity to expand their knowledge relative to automotive technology and develop entry level skills required for employment in the automotive service industry. Successful completion of course requirements prepares students for the examinations required for voluntary certification as a professional technician offered by the National Institute for Automotive Service Excellence (ASE). The course offerings address the areas of concentration needed by a technician to become certified as a “Master Automobile Technician”, and “Advanced Level Specialist”.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

ASSOCIATE DEGREE
An Associate Degree, depending on the focus of study, is designed to prepare students for transfer into upper division course work in a bachelor’s degree program, or, to prepare students to enter the workforce in a particular vocational field. To qualify for an Associate’s Degree, a student must: (1) complete each major-specific course required for the degree with at least a “C” grade or better, (2) complete all Cuesta College general education, graduation and residency requirements, and (3) achieve an overall grade point average of 2.0 for all courses attempted (major, general education, elective).

CERTIFICATE PROGRAM
A Certificate Program is designed for students who desire specific training to meet an immediate occupational or personal goal, or for promotion or lateral transfer within their existing field of employment. To qualify for a Certificate of Achievement or a Certificate of Specialization, a student must 1) complete all courses required for the Certificate with an overall grade point average of 2.0.

DEGREES, CERTIFICATES & AWARDS
• Associate in Science (A.S.)
• Certificate of Achievement (C.A.)

CAREER OPPORTUNITIES
• Alignment Specialist
• Automotive Engineer
• Brake Specialist
• Electrical Engineer
• Electrical Specialist
• Engine Performance/Drivability Specialist
• General Technician
• Industrial Engineer
• Industrial Technology
• Quick Service Tech
• Service Management
• Service Writer
• Transmission Specialist
• Tune-up Technician

Gainful Employment: Federal regulations require institutions to provide students with Gainful Employment information for specific certificate programs offered at Cuesta College. Information for each certificate program can be found by following this link: www.cuesta.edu/student/studentservices/finaid/gainfulemployment

CONTACT
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ASSOCIATE DEGREE PROGRAM

Advanced Engine Performance Technician — Associate in Science

Required Courses (32.5 credits)

ATCH 109 Introduction To Automotive Computers 2.5
ATCH 120 Automotive Ignition Systems 2
ATCH 125 Engine Performance 4
ATCH 152 Internal Combustion Engines 3
ATCH 158 Automotive Electricity And Electronics 4
ATCH 160 Automotive Electrical Accessories 4
ATCH 164 Basic Area Clean Air Car Course 4
ATCH 168 Automotive Repair Business 3
ATCH 187 Automotive Fuel Injection And Turbochargers 3
ATCH 188 Automotive Heating And Air Conditioning 3

Total Credits: 32.5

Plus, pass a minimum of two certification tests for the National Institute of Automotive Service Excellence (ASE)

Click Here for Program Student Learning Outcomes

ASSOCIATE DEGREE PROGRAM

Automotive Technician — Associate in Science

Required Courses (35.5 credits)

ATCH 109 Introduction To Automotive Computers 2.5
ATCH 152 Internal Combustion Engines 3
ATCH 153 Engine Repair Procedures 3
ATCH 158 Automotive Electricity And Electronics 4
ATCH 168 Automotive Repair Business 3
ATCH 182 Automatic Transmissions 4
ATCH 186 Chassis And Suspension Systems 3
ATCH 188 Automotive Heating And Air Conditioning 3
ATCH 280 Manual Drivetrains 3
ATCH 281 Manual Transmissions 3
ATCH 284 Braking Systems 4

Total Credits: 35.5

Plus, pass a minimum of two certification tests for the National Institute of Automotive Service Excellence (ASE)

Click Here for Program Student Learning Outcomes

CERTIFICATE PROGRAMS

Automotive Technician — Certificate of Achievement

Required Courses (35.5 credits)

ATCH 109 Introduction To Automotive Computers 2.5
ATCH 152 Internal Combustion Engines 3

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TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

TRANSFER RESOURCES:

CSU and UC Articulation Agreements and Majors Search Engine: www.ASSIST.org
CSU System Information: www2.calstate.edu

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs—grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full-and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information: www.cuesta.edu/student/studentservices/finaid
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Required Courses (21.5 credits)

ATCH 109 .... Introduction To Automotive Computers ..................2.5
ATCH 120 .... Automotive Ignition Systems ...............................2
ATCH 125 .... Engine Performance ...........................................4
ATCH 152 .... Internal Combustion Engines ...............................4
ATCH 153 .... Engine Repair Procedures ....................................3
ATCH 158 .... Automotive Electricity And Electronics .................4
ATCH 187 .... Automotive Fuel Injection And Turbochargers .......3

Total Credits ................................................................. 21.5

Click Here for Program Student Learning Outcomes

Maintenance and Light Repair Technician — Certificate of Achievement

Required Courses (21 credits)

ATCH 152 .... Internal Combustion Engines ...............................3
ATCH 153 .... Engine Repair Procedures ....................................3
ATCH 158 .... Automotive Electricity And Electronics .................4
ATCH 160 .... Automotive Electrical Accessories ......................4
ATCH 186 .... Chassis And Suspension Systems .......................3
ATCH 284 .... Braking Systems ...............................................4

Total Credits ................................................................. 21

Click Here for Program Student Learning Outcomes