

Palomar College Catalog 2009-2010

Automotive Technology (AT)

Contact the Trade and Industry Department for further information.
(760) 744-1150, ext. 2545
Office: T-1

Associate in Arts Degrees -

AA Degree requirements are listed in Section 6 (green pages).

- Auto Body Work
- Auto Chassis and Drive Lines
- Electronic Tune Up and Computer Control Systems
- Mechanics - General

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Auto Body Work
- Auto Chassis and Drive Lines
- Electronic Tune Up and Computer Control Systems
- Mechanics - General

PROGRAMS OF STUDY

Auto Body Work

In order to earn a certificate, students must achieve a minimum grade of 'C' in each of the certificate program courses.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
R AT 50 Auto Body Repair I	4
R AT 51 Auto Body Repair II	4
R AT 55 Auto Refinishing I	4
R AT 56 Auto Refinishing II	4

Elective Courses (Select 6 Units)

AT 100 Auto Maintenance and Minor Repair	3
AT 105 Automotive Electricity	2
CE 100 Cooperative Education	1,2,3,4
IT/WELD 108 Technical Mathematics	3
WELD 100 Welding I	3

TOTAL UNITS 22

Auto Body Work A.A. Degree or Certificate of Achievement is also listed under R.O.P. Automotive Technology.

Auto Chassis and Drive Lines

This program will prepare students for entry level positions in all aspects of the Automotive Industry with an emphasis in drive-line repair.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
IT/WELD 108 Technical Mathematics	3
R AT 50 or WELD 100 Auto Body Repair I	4
WELD 100 Welding I	3
AT 105 Automotive Electricity	2
AT 120 Automatic Transmissions and Drive Lines	3
AT 130 Automotive Brakes	3
AT 135 Front End Alignment and Wheel Service	3
AT 160 Associated Studies in Automotives	3
AT 175 Automotive Computer Training Lab	1
AT 220 Advanced Automotive Transmissions	3

TOTAL UNITS 24 - 25

Electronic Tune Up and Computer Control Systems

This program will prepare students for entry level positions in all aspects of the Automotive Industry with an emphasis in drive-ability concerns.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
IT/WELD 108 Technical Mathematics	3
AT 105 Automotive Electricity	2
AT 110 Automotive Tune up and Engine Analysis	3
AT 115 Automotive Fuel Injection and Fuel Systems	3
AT 160 Associated Studies in Automotives	3
AT 175 Automotive Computer Training Lab	1
AT 210 Specialized Automotive Electronics	3
AT 215 Automotive Emission Control	3

Electives (Select 6-7 units)

AT 100 Auto Maintenance and Minor Repair	3
AT 145 Auto Emissions/Diagnosis	3
AT 165 Automotive Air Conditioning	1
DMT 70 or DMT 55 Med-Duty Diesel Engine Tune up	4
WELD 100 Heavy-Duty Diesel Tune up/Analysis	3
CE 100 Welding I	2,3
CE 100 Cooperative Education	2,3

TOTAL UNITS 27 - 28

Mechanics-General

This program will prepare students for entry level positions in all aspects of the Automotive Industry.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
IT/WELD 108 Technical Mathematics	3
AT 160 Associated Studies in Automotives	3
AT 105 Automotive Electricity	2
AT 110 Automotive Tune up and Engine Analysis	3
AT 120 Automatic Transmissions and Drive Lines	3
AT 125 Automotive Machining	3
AT 130 Automotive Brakes	3
AT 175 Automotive Computer Training Lab	1
AT 220 Advanced Automotive Transmissions	3
AT 225 Automotive Engine Rebuilding	3
R AT 50 or WELD 100 Auto Body Repair I	4
WELD 100 Welding I	3

Electives (Select 2 courses)

AT 100 Auto Maintenance and Minor Repair	3
AT 115 Automotive Fuel Injection and Fuel Systems	3
AT 165 Automotive Air Conditioning	1
CE 100 Cooperative Education	2,3,4

TOTAL UNITS 33 - 38