



Southwestern College Automotive Program Certificate and Degree Options

Automotive Technology / A.S. Degree (Major Code 02870)

AT101 Intro to Basic Auto	AT102 Automotive Science
AT109 Brakes Systems	AT110 Suspension, Alignment & Steering
AT120 Engine Performance I	AT130 Basic Electrical Systems
AT131 Air Conditioning	AT140 Engine Repair
AT220 Engine Performance II	AT230 Automotive Electronics
AT234 Automatic Transmissions	AT236 Manual Transmissions
AT242 Clean Air Car	AT247 Computer controls & Advanced Emissions

Automotive Technology Certificate (Major Code 02871)

AT101 Intro to Basic Auto	AT102 Automotive Science
AT109 Brakes Systems	AT110 Suspension, Alignment & Steering
AT120 Engine Performance I	AT130 Basic Electrical Systems
AT131 Air Conditioning	AT140 Engine Repair
AT220 Engine Performance II	AT230 Automotive Electronics
AT234 Automatic Transmissions	AT236 Manual Transmissions
AT242 Clean Air Car	AT247 Computer controls & Advanced Emissions

Advanced Emission Specialist Certificate (Major Code 02766)

AT101 Intro to Basic Auto	AT102 Automotive Science
AT120 Engine Performance I	AT130 Basic Electrical Systems
AT140 Engine Repair	AT220 Engine Performance II
AT230 Automotive Electronics	AT242 Clean Air Car
AT247 Computer controls & Advanced Emissions	

Automotive Brake and Suspension System Specialist Certificate (Major Code 02750)

AT101 Intro to Basic Auto	AT102 Automotive Science
AT109 Brakes Systems	AT110 Suspension, Alignment & Steering

Automotive Performance System Specialist Certificate (Major Code 02765)

AT101 Intro to Basic Auto	AT102 Automotive Science
AT120 Engine Performance I	AT130 Basic Electrical Systems
AT140 Engine Repair	AT220 Engine Performance II
AT230 Automotive Electronics	AT242 Clean Air Car
AT247 Computer controls & Advanced Emissions	

Automotive courses offered during the Fall

AT101, AT102, AT109, AT110
AT220, AT230, AT236, AT242, AT290

Automotive courses offered during the Spring

AT101, AT102, AT120, AT130, AT131, AT140
AT234, AT247, AT290

Recommended courses for Full-time Automotive Majors

1st Semester (Fall) AT101, AT102, AT109, AT110
2nd Semester (Spring) AT120, AT130, AT131, AT140
3rd Semester (Fall) AT220, AT230, AT236, AT242
4th Semester (Spring) AT234, AT247, (AT290 recommended)

See a SWC career counselor & college catalog
for additional information

Areas of Preparation for ASE Certification Exam

ASE A1 - Engine Repair	(AT-140)
ASE A2 - Automatic Transmissions	(AT-234)
ASE A3 - Manual Transmissions	(AT-236)
ASE A4 - Suspension & Steering	(AT-110)
ASE A5 - Brakes	(AT-109)
ASE A6 - Electrical / Electronic Systems	(AT-130 & 230)
ASE A7 - Heating and Air Conditioning	(AT-131)
ASE A8 - Engine Performance	(AT-120 & 220)

Southwestern College Automotive Program Contacts

Southwestern College
900 Otay Lakes Road
Chula Vista, CA 91910
619-421-6700
www.swccd.edu

Terry Davis, Dean

School of Health, Exercise Science,
Athletics & Applied Technologies
(619) 482-6551

David Preciado, Department Chair, Automotive Program Coordinator, Automotive Professor

(619) 421-6700 Ext. 5431
dpreciado@swccd.edu

Jose Ibarra, Automotive Professor

(619) 421-6700 Ext. 5629
jibarra@swccd.edu



