

- ACS 115 Intercollegiate Golf** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units
Provides students with the opportunity to develop advanced skills and strategies in intercollegiate golf which will be applied to competitive situations.
- ACS 120 Intercollegiate Tennis** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate tennis which will be applied to competitive situations.
- ACS 125 Intercollegiate Soccer** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate soccer which will be applied to competitive situations.
- ACS 130 Intercollegiate Volleyball** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate volleyball which will be applied to competitive situations.
- ACS 135 Intercollegiate Swimming and Diving** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units
This course provides men and women with the opportunity to develop advanced skills and the strategies in intercollegiate swim/diving which will be applied to competitive situations.
- ACS 140 Intercollegiate Water Polo** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate water polo which will be applied to competitive situations.
- ACS 145 Intercollegiate Football** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units
Provides students with the opportunity to develop advanced skills and strategies in intercollegiate football which will be applied to competitive situations.
- ACS 150 Intercollegiate Wrestling** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units
Provides students with the opportunity to develop advanced skills and strategies in intercollegiate wrestling which will be applied to competitive situations.
- ACS 155 Intercollegiate Baseball** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units
Provides students with the opportunity to develop advanced skills and strategies in intercollegiate baseball which will be applied to competitive situations.
- ACS 160 Intercollegiate Cross Country** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units
Provides men and women with the opportunity to develop advanced skills and strategies in intercollegiate cross country which will be applied to competitive situations.

- ACS 165 Intercollegiate Track and Field** (3)
9 hours laboratory
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units.
This course provides students with the opportunity to develop advanced skills and the strategies in intercollegiate track and field which will be applied to competitive situations.
- ACS 180 Intercollegiate Sand Volleyball** (3)
9 hours laboratory
Transfer acceptability: CSU; UC
Provides women with the opportunity to develop advanced skills and strategies in intercollegiate sand volleyball which will be applied to competitive situations.
- ACS 197 Topics in Athletics and Competitive Sports** (.5 - 4)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.
Transfer acceptability: CSU; UC - max credit combined with KINE activity courses, 4 units.
Topics in Athletics and Competitive Sports. See Class Schedule for specific topic offered. Course title will designate subject covered.

Auto Body (AB)

Contact the Trade and Industry Department for further information.
(760) 744-1150, ext. 2545
Office: T-102A

- AB 50 Auto Body Repair I** (3)
(Formerly AT 50)
1½ hours lecture - 4½ hours laboratory
Automotive body work with emphasis on repair. Includes welding; working with small damage points; restoring contour of body panels and sections; and realigning bumpers, fenders, doors, and hoods.
- AB 51 Auto Body Repair II** (3)
(Formerly AT 51)
1½ hours lecture - 4½ hours laboratory
Recommended preparation: AB 50
Automotive body work with emphasis on increasing diagnostic, estimating and repair skills and updating techniques and related technologies. Introduction to collision industry standards including I-CAR and ASE.
- AB 55 Auto Refinishing I** (3)
(Formerly AT 55)
1½ hours lecture - 4½ hours laboratory
Introduction to auto refinishing. Preparation of auto surfaces for refinishing: taping, cleaning, and sanding. Refinishing auto surfaces: sanding, application of primers and paint.
- AB 56 Auto Refinishing II** (3)
(Formerly AT 56)
1½ hours lecture - 4½ hours laboratory
Recommended preparation: AB 55
Skill development in automotive refinishing techniques, including base-coat, clear-coat application; color matching concepts; and identification, prevention and correction of painting problems. New products, techniques, and trends will be covered.
- AB 97 Auto Body Repair/Auto Refinishing Topics** (.5 - 4)
(Formerly AT 97)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.
Topics in auto body repair and auto refinishing. See Class Schedule for specific topic offered. Course title will designate subject covered.

AB 105 Chassis Restoration and Assembly (3)
(Formerly AT 150)
1½ hours lecture - 4½ hours laboratory
Prerequisite: A minimum grade of 'C' in AT 100
Transfer acceptability: CSU
Covers basic disassembly and documentation of antique automotive chassis and components. Lab activities will focus on correct detailing and reassembly of vintage automobile chassis and related undercarriage elements.

AB 110 Body Restoration and Assembly (3)
(Formerly AT 155)
1½ hours lecture - 4½ hours laboratory
Prerequisite: A minimum grade of 'C' in AB 50
Transfer acceptability: CSU
Covers basic disassembly and documentation of antique automotive bodies and components. Lab activities will focus on correct detailing, restoration and reassembly of vintage automobiles and related elements, using historically authentic materials and techniques.

Automotive Technology (AT)

Contact the Trade and Industry Department for further information.
(760) 744-1150, ext. 2545
Office: T-102A

Associate in Science Degrees -

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

- Auto Chassis and Drive Lines
- Auto Collision Repair
- Electronic Tune Up and Computer Control Systems
- Mechanics - General

Certificates of Achievement -

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

- Auto Chassis and Drive Lines
- Auto Collision Repair
- Electronic Tune Up and Computer Control Systems
- Mechanics - General

PROGRAMS OF STUDY

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.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
AT 105 Automotive Electricity	3
AT 105L Automotive Electricity Computer Training Lab	1
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 170 Auto Repair Shop Experience	2
AT 220 Advanced Automotive Transmissions	3
IT/WELD 108 Technical Mathematics	3
AB 50 Auto Body Repair I	3
or	
WELD 100 Welding I	3
TOTAL UNITS	27

Auto Collision Repair

This program will prepare students for an entry level position in the automotive collision repair industry.

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements

AB 50 Auto Body Repair I	3
AB 51 Auto Body Repair II	3
AB 55 Auto Refinishing I	3
AB 56 Auto Refinishing II	3
IT/WELD 108 Technical Mathematics	3

Elective Courses (Select 6 units)

AT 100 Auto Maintenance and Minor Repair	3
AT 105 Automotive Electricity	3
AT 105L Automotive Electricity Computer Training Lab	1
AB 105 Chassis Restoration and Assembly	3
AB 110 Body Restoration and Assembly	3
AT 170 Auto Repair Shop Experience	2
WELD 100 Welding	3
CE 100 Cooperative Education	1 - 4

TOTAL UNITS 21

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.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements

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

Electives (Select 6-7 units)

AT 100 Auto Maintenance and Minor Repair	3
AT 165 Automotive Air Conditioning	2
AT 170 Auto Repair Shop Experience	2
DMT 130 Medium-Duty Diesel Engine Tune-Up	4
or	
DMT 105 Heavy-Duty Diesel Tune-Up and Engine Analysis	4
WELD 100 Welding I	3
CE 100 Cooperative Education	2 - 3

TOTAL UNITS 30 - 31

Mechanics-General

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

A.S. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements

Program Requirements	Units
AT 105 Automotive Electricity	3
AT 105L Automotive Electricity Computer Training Lab	1
AT 110 Automotive Tune up and Engine Analysis	3
AT 110L Automotive Tune up Computer Training Lab	1
AT 120 Automatic Transmissions and Drive Lines	3
AT 125 Automotive Machining	3
AT 130 Automotive Brakes	3