PALO VERDE COLLEGE

Curriculum for Board of Trustees Approval

(Approved by Curriculum Committee February 9, 2012)
(CHANGES EFFECTIVE FALL 2012 UNLESS NOTED)

DESCRIPTION OF COURSES SECTION

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REVISED COURSES:

AUTOMOTIVE TECHNOLOGY

AUT 090 AUTOMOTIVE FABRICATION & SET-UP®
2 units Course length: 18 hours lecture, 72 hours laboratory
This ~~two unit~~ course is designed to prepare students to understand the rules and regulations of various sanctioned stock car races. Students will prepare a stock car to meet all requirements and be able to participate in sanctioned racing events. These preparations include fabrication of safety cages as well as suspension set up. This course is repeatable up to ~~four~~ **two** times **for a total of three**.

AUT 102 ENGINE ANALYSIS/TUNE-UP
3 units Course length: 36 hours lecture, 54 hours laboratory
This class is the basic theory of operation of standard and electronic ignition systems, batteries, electrical systems, fuel and carbureting, and emission control systems. Emphasis placed on the use of basic test instruments in diagnosing problems in these systems, along with maintenance and servicing procedures.

AUT 103 SUSPENSION, STEERING AND ALIGNMENT
3 units Course length: 36 hours lecture, 54 hours laboratory
This class covers the complete automotive suspension systems with emphasis on wheel alignment and suspension service on both domestic and foreign cars. Theory of suspension and alignment **is** covered along with the rebuilding of front suspension systems, including McPherson **s**trut and **d**ual-control arm types. Wheel alignment procedures **are** covered extensively ~~of~~ **on** both foreign and domestic cars. Wheel balancing is **also** included.

AUT 113 STANDARD AND AUTOMATIC POWER TRAINS
3 units Course length: 36 hours lecture, 54 hours laboratory
This class is an introduction to automotive transmissions, both manual and automatic, drive lines, differentials, transaxle~~s~~, front wheel drive, power take-offs, ~~clutches~~, shop safety, use of tools and equipment, precision measurement, **along with service and repair procedures.** ~~and employment in the automotive trade.~~

AUT 200 ENGINE DIAGNOSIS/OVERHAUL
6 units Course length: 72 hours lecture, 108 hours laboratory
This class is designed for the serious technician to develop skills and understanding to determine if an engine should be repaired or overhauled. ~~Course~~ **Topics** includes advanced diagnostic procedures and use of the latest diagnostic ~~procedures and use of the latest diagnostic~~ tools. Included is “complete engine rebuilding,” where an engine is rebuilt from the basic cylinder block to a running machine.

B U S I N E S S

BUS 101 INTRODUCTION TO BUSINESS

3 units Course length: 54 hours lecture

~~Provides the student with a general background in the elements and characteristics of business enterprise. Gives the student a broader understanding of the nature of business and a preliminary idea of the various areas of business specialization.~~

BUS 101, Introduction to Business provides an overview of the American business enterprise, and includes such topics as business ethics, operating a business in a global environment, forms of business ownership, micro- and macroeconomics, business start-ups, teamwork and communication, marketing, finance, and the legal regulatory environment of business.

COURSES APPROVED TO BE OFFERED VIA CORRESPONDENCE EDUCATION:

BUS 101 INTRODUCTION TO BUSINESS

COURSES APPROVED TO BE OFFERED VIA DISTANCE EDUCATION:

BUS 101 INTRODUCTION TO BUSINESS

COURSES AND PROGRAMS TO BE MOVED TO INACTIVE STATUS:

ABE 045 HOLISTIC HEALTH
ABE 065 AUTO BODY REPAIR AND PAINITNG
ABE 076 PHYSICAL CONDITIONING
ABE 078 BASIC ELECTRICITY
ABE 088 AEROBICS
ABE 096 (AUTO) AIR-CONDITIONING
NBE 042 ADVANCED SHIELDED METAL ARC WELDING (MIG)
NBE 058 RESIDENTIAL HEATING AND AIR CONDITIONING
NBE 059 BASIC GAS TUNGSTEN ARC WELDING (TIG)
NBE 064 INTRODUCTION TO AUTO REPAIR
NBE 067 OXYACETYLENE GAS WELDING
NBE 071 BASIC PLUMBING
NBE 074 MASONRY
NBE 075 HOUSEHOLD REPAIRS
NBE 090 AUTOMOTIVE MAINTENANCE
PHE 177 INTERMEDIATE GOLF
REE 150 REAL ESTATE PRINCIPLES
REE 151 PROPERTY MANAGEMENT
REE 152 REAL ESTATE PRACTICE
REE 160 REAL ESTATE COMPUTER APPLICATIONS