PALO VERDE COLLEGE
WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS
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Addendum to the 2020-2021 Catalog

This addendum is an integral part of the College's Catalog. The contents of this catalog addendum are provided as an update and/or in addition to the content specified in the 2020-2021 catalog. Effective Spring 2021.

Palo Verde College has made every reasonable effort to determine that everything stated in the academic catalog is accurate. Sometimes changes to the academic catalog are necessary after the date of publication. Courses and programs offered, together with other matters contained herein, are subject to change at the discretion of the college.

Credit for Prior Learning may be obtained by one of the following methods:

- Advanced Placement Examination (AP) - Achievement of a score of 3 or higher on an Advanced Placement Examination administered by the College Entrance Examination Board
- Credit by Examination - Satisfactory completion of an institutional examination, known as Credit by Examination, administered by the college in lieu of completion of an active course listed in the current college catalog
- Achievement of an examination administered by other agencies approved by the college.
- Assessment approved or conducted by proper authorities of the college
- Evaluation of Joint Services Transcripts (JST)
- Evaluation of industry recognized credential documentation
- Evaluation of student-created portfolios

Credit may be awarded for prior experience or prior learning only for individually identified courses with subject matter similar to that of the individual's prior learning, and only for a course listed in the catalog of the community college. Award of credit may be made to electives for students who do not require additional general education or program credits to meet their goals. Determination of Eligibility to receive Credit for Prior Learning:

- The student must be currently registered in the college and in good standing, with a declared program of study on file
- The course is listed in the college catalog,
- Credits acquired by examination are not applicable to meeting of such unit load requirements as Selective Service deferment, Veteran's or Social Security benefits.
- Complete a Credit for Prior Learning assessment request as outlined in the college catalog

Credits acquired by assessment shall not be counted in determining the 12 semester hours of credit in residence required for an Associate degree.

💻ABE-040 Computers Made Simple® *Course length: 9 hours lecture, 9 hours laboratory*

Non- Credit
This basic computer course is aimed at those who are new to or who have limited knowledge about Personal Computers. It is designed to help individuals overcome their initial hurdle to using a Personal Computer and to build confidence and competence in using Keyboarding, Windows, Microsoft Office, and the Internet.

💻ABE-051 Integrated ESL Skills level I® *Course length: 108 hours lecture*

Non- Credit
This is a beginning ESL course designed for the beginning or false beginning ESL student. The course will cover grammar and simple sentence writing. The course emphasizes improving listening comprehension as well as increasing fluency and accuracy in spoken English. This course is repeatable and is ungraded.

💻ABE-052 Integrated ESL Skills Level II® *Course length: 108 hours lecture*

Non- Credit
This is an intermediate level English as a Second Language course, which continues to build upon the listening/speaking competencies while emphasizing vocabulary development, reading and writing. This course is repeatable and is ungraded.

💻ABE-053 Integrated ESL Skills Level III® *Course length: 216 hours lecture*

Non- Credit
This is an advanced English as a Second Language course. It emphasizes grammar, writing sentences, and short paragraphs and is designed to prepare students for college level studies. This course provides practice in syntactic fluency through speaking, listening, writing and reading. This course is repeatable and is ungraded.

💻ABE-054 Academic Reading and Writing for ESL® *Course length: 108 hours lecture*

Non- Credit
This course provides non-native English speakers practice developing their fluency and ability in academic reading, composition, discussion, vocabulary, and grammar at the advanced ESL level. Emphasis is placed on applying critical reading strategies to a variety of genres, analysis and synthesis of sources, writing multi-paragraph compositions and essays, revising compositions, analyzing and producing accurate grammatical structures in context, expressing and defending one's own ideas and opinions, and engaging in academic discussion of course texts and themes. Course can be repeated as needed to allow for further development of skills at this level. Prepares students for college level English courses. This course is repeatable and is ungraded.

💻ABE-081 ESL Entry Level II® *Course length: 108 hours lecture*

Non- Credit
ABE 081 is one of two entry-level English as a Second Language courses designed for students at the beginning level of English. This course provides instruction in vocabulary, basic sentence structure, and simple reading and writing. Students write short paragraphs with correct punctuation and spelling. The course stresses the correct use of a variety of grammatical structures and verb tenses.

💻ABE-090 ESL ENTRY LEVEL I® *Course length: 108 hours lecture*

Non- Credit
ABE 090 is one of two entry-level English as a Second Language courses designed for students at the beginning level of English. Emphasis is on developing students' ability to listen and understand. This course provides instruction in vocabulary, basic sentence structure, and simple reading and writing. Students write short paragraphs with correct punctuation and spelling. They practice idiomatic expressions used in writing and discuss cultural differences to help them adapt more quickly to college life in the United States.

💻ART 101 INTRODUCTION TO ART *Course length: 54 hours lecture*

3 units
IGETC: 3A; CSU GE: C1; UC: H
Advisory: ENG 099 eligibility: Students must be able to develop, organize and express ideas in paragraph and essay form.
This course is an introduction to problems, techniques and social forces that shape and reflect our visual world. Students will gain insights and develop an understanding of the variables inherent in planning, organizing and making art.

💻✉ATH 100 Pre-Season Conditioning for Intercollegiate Basketball

Course Length: 27-162 hours lab
0.5- 3 units
CSU
This course is designed to prepare the collegiate basketball player for the competitive season and reduce the risk of injury. Course content includes: collegiate level, basketball-specific skill development; aerobic conditioning plan; basketball-specific strength training; agility work; plyometrics; speed training; flexibility exercises; and team play activities designed to prepare the athlete physically and mentally. The course is designed to prepare students for intercollegiate basketball competition and may be repeated a maximum of three times to meet California Community College Athletic Association requirements for eligibility.

💻✉ ATH 102 Intercollegiate Basketball for Women, Spring Semester

Course Length: 90 hours lab
1.5 units
Pre-Requisites: ATH 100
CSU
This course is for women students who wish to continue participating in intercollegiate basketball. This course may be repeated a maximum of three times to meet California Community College Athletic Association requirements for eligibility.

💻✉ ATH 104 Intercollegiate Basketball for Men, Spring Semester

Course Length: 90 hours lab
1.5 units
Pre-Requisites: ATH 100
CSU
This course is for men students who wish to continue participating in intercollegiate basketball. This course may be repeated a maximum of three times to meet California Community College Athletic Association requirements for eligibility.

💻✉AUT-100 Introduction to Automotive Technology *Course Length: 36 hours lecture 54 hours lab*
3 units
This course covers those items necessary to maintain the vehicle: preventive maintenance, minor tune-up, roadside repairs, simple adjustments, and introduction to shop procedures, methods of removing and replacing external parts plus minor diagnosis of components. Students will become familiar with safety in the shop and learn how to use various equipment and tools. Students will learn how to properly handle chemicals found in the shop. Strict adherence to safety rules and procedures will be emphasized.

💻✉AUT-101 Basic Technician Skills *Course Length: 36 hours lecture 54 hours lab*
3 units
This course teaches the basic skills needed by a beginning apprentice for repair and maintenance in an automotive facility. Safety, basic hand tools, cleaning techniques and customer relations will be covered. The entire automobile will be studied: tune-up, engines, carburetion, electrical systems, power transmission, and chassis systems. Shop work consists of related work on automotive equipment.

💻✉AUT-102 Engine Analysis/Tune-up *Course Length: 36 hours lecture 54 hours lab*
3 units
This class is the basic theory of operation of standard and electric ignition systems, batteries, electrical systems, and fuel and emission systems. Emphasis is 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 *Course Length: 36 hours lecture 54 hours lab*
3 units
This class covers the complete automotive suspension system 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 strut and dual control arm types. Wheel alignment procedures are covered extensively on both foreign and domestic cars. Wheel balancing is also included.

💻✉AUT-110 Brake Systems *Course Length: 36 hours lecture 54 hours lab*
3 units
This course covers the complete braking system found on most domestic and foreign cars. Theory of operation, servicing, procedures, testing/diagnosis/repair of most major braking systems. Drum and rotor machining, hydraulics, power braking system and four-wheel disc brakes. Emphasis on theory of operation and servicing techniques of late-model cars and light trucks.

💻✉AUT-111 Automotive Electrical Systems *Course Length: 36 hours lecture 54 hours lab*
3 units
Advisory: AUT 100 or work Experience
This course covers the operating principles, troubleshooting techniques, and repair procedures of electrical supply systems and battery-starter systems. Demonstration lectures and practical experience in the laboratory will cover batteries, starter systems, generating systems, and lighting systems.

💻✉AUT-200 Engine Diagnosis/Overhaul *Course Length: 72 hours lecture 108 hours lab*
6 units
This class is designed for the serious technician to develop skills and understanding to determine if an engine should be repaired or overhauled. Topics include advanced diagnostic procedures and use of the latest diagnostic tools. Included is "complete engine overhaul", where an engine is rebuilt from a basic block to a running engine.

💻✉BCT-100 Introduction to Building Trades *Course Length: 36 hours lecture 54 hours lab*
3 units
This course provides an overview into the building trades. It will cover safety, measurement, hand tools, power tools, wall framing, roof framing, green construction, solar energy, basic electricity, basic plumbing and blueprint reading. The relationship among the various subcontractors will be addressed. This course also covers hazardous material handling and its relationship to the MSDS sheets posted at the job site.

💻✉BCT-101 Rough Carpentry *Course Length: 36 hours lecture 54 hours lab*
3 units
This course is designed to give students a working knowledge of building layout, floor framing, wall framing, beginning roof framing, sheer wall installation and composition roof shingle installation. Students will learn to use hand and power equipment commonly used in the construction field. Knowledge and skills acquired in BCT 101 can be used in advanced framing, including basic blueprint reading.

💻✉BCT-110 Blueprint Reading *Course Length: 36 hours lecture 54 hours lab*
3 units
This course is designed to teach skills in reading, interpreting, analyzing and visualizing construction drawings and specifications prepared by architects and engineers. Emphasis is placed on reading and extracting information from detailed drawings. This information is required to build structures. The student will be taught how to relate that information to specifications which provide additional information in the form of written explanations and descriptions.

💻✉BCT-112 Basic Electricity *Course Length: 36 hours lecture 54 hours lab*
3 units
This course is designed to introduce the student to electrical safety, hardware and calculations associated with wiring a home. It also gives the basic photovoltaic energy introduction. This course gives the student theory, procedure techniques and laboratory assignments to make the student comfortable with home electrical repair or gives the student basic knowledge to pursue a career in electrical contracting. The students will be introduced to blueprint reading, power panel and wire sizing along with installing flex and rigid conduit. The students will pull wire and install receptacles. Students will wire and generate solar power from PV modules.

💻✉BCT-113 Basic Plumbing *Course Length: 36 hours lecture 54 hours lab*
3 units
This course is designed to give students a working knowledge of the plumbing industry. It provides the basic information about the tools, materials, equipment, processes and career opportunities in the plumbing field. This course covers both hand and power tools. This course will supply the background knowledge necessary for vocational competency.

💻✉BCT-200 Cabinetry I *Course Length: 36 hours lecture 54 hours lab*
3 units
Cabinetry I is an introductory course to prepare students with the skills and knowledge to pursue a career in the cabinet and furniture industries. The course introduces the student to the tools, equipment, and techniques used in the modern woodworking industry. Students will learn types of lumber, design and layout. The student will make one class project and one project of their design. Strict adherence to safety rules and procedures will be emphasized.

💻✉BCT-201 Cabinetry II *Course Length: 36 hours lecture 54 hours lab*
3 units
Cabinetry II is an intermediate class to prepare students with the skills and knowledge to pursue a career in the cabinet and furniture industries. The course introduces the student to the tools, equipment, and techniques used in the modern woodworking industry. Students will learn the species and grades of domestic and imported lumber. The student will make one cabinet project of their design. Strict adherence to safety rules and procedures will be emphasized. Students will learn the proper use of pneumatic air nailers, wide belt sanders, and the molding shaper.

💻✉BCT-202 Finish Cabinetry *Course Length: 36 hours lecture 54 hours lab*
3 units
Finish Cabinetry is an advanced cabinet course to prepare students with the skills for the modern woodworking industry. This course will continue to build on the knowledge taught in BCT 201. Students will learn advanced techniques used in fine woodworking. Dovetail joints will be introduced for cabinet drawer box construction. Students will design a kitchen with working drawings to include appliance, base, and upper cabinet locations. Students will construct a cabinet project of their own design using advanced woodworking tools. Projects will include fine joint, finish sanding, and finishing techniques for their project.

💻✉BCT-210 Interior Trim Carpentry *Course Length: 36 hours lecture 54 hours lab*
3 units
This is an introductory class that will provide students with the basic knowledge of the finish carpentry field. Students will learn the proper installation techniques for interior and exterior doors. This course also covers window installations. This course cover both interior and exterior finish carpentry. Exterior trim will include door and window trim. On the interior of the home we will install door casings, baseboard, crown mouldings and windows sills. For that custom look we will explore chair rail mouldings, ainscoting, and the installation of hardwood floors.

💻✉BIO-100 Introduction to Biology *Course Length: 72 hours lecture*
4 units
IGETC: 5B; CSU GE: B2; UC: S
Advisories: MAT 095 and ENG 100 or ENG 101
This course encompasses the study of basic biological concepts and emphasis on characteristics of plants, animals, human body systems, cells, health, genetics and the environment. BIO 100 may be taken concurrently with BIO101 or independent of BIO101. Not for biology major credit.

💻BIO-101 Introduction to Biology Laboratory *Course Length: 54 hours lab*

1 unit

CSU GE: B3 IGETC 5C

Prerequisite: BIO 100

Corequisite: BIO 100

Laboratory and hands-on exposure to the biological sciences including the scientific method, data and measurement, microscopic analysis of cells, osmosis, diffusion, cell division, photosynthesis, cellular respiration, bacteria, protists, plants, fungi, invertebrate animals and vertebrate animals. BIO 100 is either a prerequisite or a co-requisite to BIO 101. Not for Biology major credit.

💻BIO-110 Basics of Biology *Course Length: 54 hours lecture 54 hours lab*

4 units

IGETC: 5B, 5C; CSU GE: B2, B3; UC: S

Structural and functional examination of cellular functions including cell morphologies, biological molecules, cell division, cell metabolism, and gene expression. Topics related to organismal biology and evolutionary biology are also explored including genetics, ecology, evolution, microbes, protozoa, plants, fungi, animals, and animal behavior. BIO 110 is typically offered in the Fall semester and is a prerequisite for BIO 111 Basic Microbiology, BIO 210 Human Anatomy, and BIO 211 Human Physiology.

💻BIO-111 Basic Microbiology *Course Length: 54 hours lecture 108 hours lab*

5 units

IGETC: 5B, 5C; CSU GE: B2, B3; UC: S

Prerequisite: BIO 110 or BIO 190 or BIO 191

This course encompasses introduction to the morphology, physiology, ecology and pathogenicity of the major groups of bacteria, including a general survey of other microorganisms. All topics are based on specifically stated learning objectives which the student has to master in order to progress through the course. Mastery is evidenced through quizzes and examinations. To help the students, laboratories and theories are integrated and each student is further helped in the mastery of the materials by the professor's use of charts, modules, videos, power point lectures, in conjunction with instructional aide, tutor, and/or professor sessions including group and individualized conferences.

💻BIO-210 Human Anatomy *Course Length: 54 hours lecture 54 hours lab*

3 units

IGETC: 5B, 5C; CSU GE: B2, B3; UC: S

Prerequisite: BIO 110 or BIO 190 or BIO 191

Corequisite: BIO 190 or BIO 191

This course is on Human Anatomy and involves the topics on the structural organization of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems, from cellular to organ system levels of organization. This course is primarily intended for nursing, allied health, kinesiology, and other health related majors. (C-ID BIOL 110 B)

💻BIO-211 Human Physiology *Course Length: 54 hours lecture 108 hours lab*
5 units
Prerequisite: BIO 110 or BIO 190 or BIO 191
Corequisite: BIO 190 or BIO 191
IGETC:5B, 5C; CSU GE: B2, B3; UC:S
This course provides detailed study of the functions of the human body. Great emphasis is placed on the body varied systems and their interrelationships for maintaining the body homeostasis. It involves study of the physiological principles, function, integration and homeostasis of the human body at the cellular, tissue, organ, organ system and organism level: integumentary system, bone, skeletal, smooth and cardiac muscles, nervous system, sensory organs, cardiovascular system, lymphatic and immune systems, respiratory system, urinary system, digestive system, endocrine system, and reproductive system. This course is primarily intended for Nursing, Allied Health, Kinesiology, and other health related majors. To help each student attain the aforementioned goal, laboratories and theories are integrated. (C-ID BIOL 120 B)

💻✉BUS 210 BUSINESS ETHICS *Course length: 54 hours lecture*
3 units
CSU; UC
Prerequisite: Eligible for ENG 099
Business ethics is a form of applied ethics or professional ethics that examines ethical principles and moral or ethical problems that arise in a business environment. The course examines theoretical and practical problems of moral conduct in the field of business. It applies to all aspects of business conduct and is relevant to the conduct of individuals and entire organizations. Business ethics is the behavior that a business adheres to in its daily dealings with the world.

💻CHE-101 Introduction to General Chemistry *Course Length: 54 hours lecture 54 hours lab*
4 units
Prerequisite: MAT 095: Completion of Pre-College Algebra, MAT 095, or placement based on AB 705 mandates
Advisory: ENG 099: Completion of ENG 099 Basic Composition or eligible for ENG 100 or ENG 101 as per AB 705 mandates.
IGETC: 5A, 5C; CSU GE: B1, B3; UC: S
This course is a preparatory course for students including those who have never had chemistry and covers the metric system, atoms and elements, bonding, solids, liquids, gases, stoichiometry, solutions, reactivity, and acids and bases. It is appropriate for nursing students, hotel and restaurant management students, as well as students who will pursue higher level chemistry.

💻✉CIS-201 Introduction to 3-D Printing, Setup, & Rapid Prototype Design *Course Length: 36 hours lecture 54 hours lab*
3 units
CSU
Advisory: It is recommended that the student also enroll in CIS 203
Introduction to career options and the fundamental processes used in the 3D design and model making industry. Students will learn the skills and concepts used in a 3D printing environment, including printer types, calibration methods, media and filament types, and troubleshooting techniques. Emphasis will be placed on the increased role that 3D printing will play in today's global economy.

💻✉CIS-202 3-D Printing: Basic Model Making *Course Length: 36 hours lecture 54 hours lab*
3 units
CSU
Advisory: It is recommended that the student also enroll CIS 201
Introduction to the principles of three-dimensional design as they relate to model making for 3D printing and rapid prototyping applications. Students will learn how to acquire printable 3D files from various sources and successfully import them into various 3D modeling and slicing applications. In addition, emphasis will be placed on printing using various filament types and colors. Students will also be digitizing real-world objects for print.

💻✉CIS-203 3D Printing, Basic Model Finishing *Course Length: 36 hours lecture 54 hours lab*
3 units
CSU
Advisory: It is recommended that the student also enroll CIS 204
The focus of this course is to prepare students for preparing 3D objects, printing those objects, and preparing them as a finished product. Students will be using 3D modeling software, mock-up sketches, a variety of 3D printers, digitizers, media, and tools associated with finishing a 3D print. Emphasis will be on successfully creating 3D prints that can be enhanced by effective finishing techniques including paints, adhesives, and abrasives.

💻✉CIS-204 3D Rapid Model Making & Prototype Development *Course Length: 36 hours lecture 54 hours lab*
3 units
CSU
Advisory: It is recommended that the student also enroll CIS 203
In this project development course, students focus upon fabrication of a variety of complex models using advanced model-making techniques. Students will be expected to work individually and in groups to create advanced 3d prints using various medias and finishing techniques. Students will display their completed portfolio projects in a campus 3D art showcase.

EMS 161 EMERGENCY MEDICAL TECHNICIAN REFRESHER *Course length: 24 hours lecture, 0-8 hours laboratory*
1-1.5 units
CSU
Prerequisites: Current Emergency Medical Technician – current license or no more than 6 months expired license.
The EMT Refresher course contains information on current EMT Techniques, procedures and local protocols; provides a review of the skills and knowledge covered in EMT Basic course in order to meet recertification. The course is designed for recertification of a current EMS License or EMT card that has not expired for more than six (6) months. Skills verification and passing performance on written examinations are required for course completion.

💻✉ENG 103 CRITICAL THINKING AND ENGLISH COMPOSITION *Course length: 54 hours lecture*
3 units
IGETC: 1B; CSU GE: A3; UC: E (C-ID ENGL 105)
Prerequisite: ENG 100 or ENG 101 or an approved equivalent first-year composition course from an accredited institution.
This course offers instruction in argumentative and critical writing, critical thinking, analytical evaluation of primarily non-fiction texts, research strategies, information literacy, and proper documentation. The course specifically teaches the recognition of traditional and contemporary rhetorical discursive modes, as well as the application of logic to matters of introspection, reflection, narration, description, argument and synthesis. However, English 103 places the greatest emphasis upon the application of reason to matters of reading, coupled with the application of new-found critical skills to the invention, research, development and final drafting of formal, argumentative essays that advance a clear thesis, support that thesis with well-documented evidence, and display a sophisticated level of writing ability. While specific course content may vary considerably from section to section, students will in general be expected to read a wide range of challenging material, as well as to produce a minimum of 6,000 words of prose in the course of the semester.

💻ENG-125 Introduction to Film *Course Length: 54 hours lecture*
3 units
IGETC: 3A, 3B; CSU GE: C1; UC: H
Introduces students to the history of film, film technology, various film styles, genres and movements, as well as helping them develop and apply a knowledge of film terminology and theories to critically analyze American and international cinema.

💻✉MAT-106 Statistics *Course Length: 72 hours lecture*
4 units
IGETC: 2A; CSU GE: B4; UC: M (C-ID MATH 110)
This course will cover graphical and numerical description of data, rules of probability and probability distributions, normal probability distributions, the central limit theorem, confidence intervals for one and two samples, hypothesis testing for one and more variables, ANOVA, regression, correlation, inference and model building. To develop the theory and facilitate calculations we use the programming language J. (C-ID MATH 110)

💻✉MAT-108 Liberal Arts Mathematics *Course Length: 54 hours lecture*
3 units
IGETC: 2A; CSU GE: B4, UC: M
This course focuses on the development of quantitative reasoning skills through in-depth, integrated explorations of topics in mathematics, including real number systems and subsystems. Emphasis is on comprehension and analysis of mathematical concepts and applications of logical reasoning.

💻✉MAT 220 CALCULUS I *Course length: 90 hours lecture*
5 units
IGETC: 2A; CSU GE: B4; UC: M
Prerequisite: MAT 210
This course covers continuity, differentiation, Mean Value Theorem, rectilinear motion, area between curves, volume of revolution, and applications. It is recommended for math, science, engineering, and medical students.

💻MUS-127 Instrumental Ensemble I *Course Length: 9 hours lecture 27 hours lab*
1 unit
CSU; UC
Advisory: Some experience performing in an ensemble that is primarily instrumental
Instrumental Ensemble is for students with some experience performing in an ensemble which is primarily instrumental. This course prepares students for musical performances in community, college, and professional settings. The course develops student's existing musical skills, including technique, intonation, sight-reading, and developing group balance and dynamic control, while introducing such concepts as stylistic interpretation, improvisation, and music theory.

💻MUS-131 Classroom Piano I *Course Length: 9 hours lecture 27 hours lab*
1 unit
CSU; UC
This course is an introduction to beginning keyboard skills, including notation. It includes basic technique, major and minor five finger patterns, major scales, sight reading and basic chord progressions, as they are encountered in beginning piano music.

💻MUS-132 Classroom Piano II *Course Length: 9 hours lecture 27 hours lab*
1 unit
CSU; UC
Pre-Requisite: MUS 131
In this course students refine and further develop beginning keyboard skills. This includes piano technique, major scales and arpeggios, sight-reading, chord progressions and harmonization and transposition skills, as encountered in upper-beginning/early intermediate piano music.

💻MUS-135 Music Fundamentals *Course Length: 54 hours lecture*
3 unit
CSU
Basic instruction in reading and notation of music for the non-musician or beginning musician who wishes to read vocal, choral, or instrumental music or who wants to be able to notate simple melodies.

💻✉MUS-137 History of Rock and Roll *Course Length: 54 hours lecture*
3 unit
IGETC: 3A; CSU GE:C1; UC:H
A survey of the origins and development of rock and roll music from the early 1950's to the present. The course provides an overview of the major personalities and sub-genres of rock and related American popular music styles. Additionally, by placing rock in its historical context, students will learn about the social, cultural, economic, demographic, technological, and political changes experienced by the United States in the postwar era. There is a strong emphasis on developing listening and analytical skills, however no musical background is required for students to be successful in this class.

💻MUS-141 Jazz Ensemble I *Course Length: 54 hours lab*
1 unit
CSU GE: C1; UC
For students with some experience playing in an ensemble. This course prepares students for jazz and popular music performance in professional and college/university settings. The course develops students' existing instrumental performance skills, including technique, intonation, sight-reading, and ensemble balance, while introducing concepts of stylistic interpretation, improvisation, and music theory.

💻MUS-142 Jazz Ensemble II *Course Length: 54 hours lab*
1 unit
CSU GE: C1; UC
Pre-Requisite: MUS 141
For students who have successfully completed Jazz Ensemble I. This course prepares students for jazz and popular music performance in professional and college/university settings. The course further develops students' instrumental performance skills, with an increased emphasis on listening sensitivity and improvisation.

💻MUS-150 Music Theory *Course Length: 54 hours lecture*
3 units
CSU GE: C1; UC (C-ID MUS 120)
This course is intended for students interested in acquiring further technical and interpretive skills in music theory. An emphasis on musical terms and a serious study of patterns in music literature will be employed to strengthen insight. (C-ID MUS 120)

💻MUS-161 Concert Choir I *Course Length: 9 hours lecture 27 hours lab*
1 unit
CSU; UC
This is a beginning course which assumes no previous vocal ensemble training. Students learn to develop good vocal technique, learn how to warm up the voice, and how to sing simple vocal music. They also expand their understanding of basic music theory including music reading.

💻MUS-162 Concert Choir II *Course Length: 9 hours lecture 27 hours lab*
1 unit
CSU; UC
Pre-Requisite: MUS 161
This is the second course building on previous vocal ensemble training. Students continue to develop good vocal technique, learn how to warm up the voice, and how to sing more complex vocal music. They also expand their understanding of music theory including music reading.

💻MUS-233 Classroom Piano III *Course Length: 9 hours lecture 27 hours lab*
1 unit
CSU GE: C1; UC
Pre-Requisite: MUS 132
This course provides second-year piano instruction to students that have successfully completed Classroom Piano I and II. This course will allow students to refine and develop beginning keyboard skills. Piano technique, major and minor scales and arpeggios, sight-reading, expanded chord progressions, and harmonization and transposition skills are encountered in intermediate piano music.

💻MUS-234 Classroom Piano IV *Course Length: 9 hours lecture 27 hours lab*

1 unit

CSU GE: C1

Pre-Requisite: MUS 233

This course continues second-year piano instruction to students that have successfully completed Classroom Piano I, II, and III. Students study intermediate-level piano music and creatively apply knowledge of music theory to enhance their understanding and performance of piano music.

💻MUS-243 Jazz Ensemble III *Course Length: 54 hours lab*

1 unit

CSU GE: C1; UC

Pre-Requisite: MUS 142

For students who have successfully completed Jazz Ensemble I & II. This course prepares students for jazz and popular music performance in professional and college/university settings. The course further develops students' instrumental performance skills, with an increased emphasis on developing leadership skills.

💻MUS-261 Concert Choir III *Course Length: 9 hours lecture 27 hours lab*

1 unit

CSU; UC

Pre-Requisite: MUS 162

This is the 3rd course building on previous vocal ensemble training. Students continue to develop good vocal technique, learn how to warm up the voice, and how to sing more complex vocal music. They also expand their understanding of music theory including music reading.

💻MUS-262 Concert Choir IV *Course Length: 9 hours lecture 27 hours lab*

1 unit

CSU; UC

Pre-Requisite: MUS 261

This is the 4th course building on previous vocal ensemble training. Students learn to develop good vocal technique, learn how to warm up the voice, and how to sing complex vocal music. They also expand their understanding of music theory including music reading.

💻✉MUS-280 Selected Topics in Music *Course Length: 0-3 hours lecture 0-3 hours lab*

1-3 units

CSU

Group investigation of a selected topic in the area of music. As appropriate, the specific subject will be announced in the schedule of classes.

💻NBE-073 Classroom Piano® *Course length: 3-9 hours lecture, 9-27 hours laboratory*

Non-Credit

Classroom Piano is designed to acquaint those with very little or no experience with the basics of piano or other keyboard instruments with the basics of keyboard techniques. This course is repeatable.

💻NBE-076 Vocal Ensemble® *Course length: 3-9 hours lecture, 9-27 hours laboratory*

Non-Credit

Vocal Ensemble is designed to acquaint those with very little or no experience with the basics of singing and music notation. This course is repeatable.

💻NSC-130 Phlebotomy Technician *Course Length: 54 hours lecture 12 hours lab*

3 units

NSC 130 is a course certified by the California State Department of Health Services for a certificate as a "Phlebotomy Technician "Includes: 27 Hours basic and 27 hours advanced classroom instruction. Basic instruction topics include: universal precautions, infection control, laboratory and equipment safety: circulatory system, basic anatomy and physiology; medical terminology; patient and specimen identification; selecting and preparing skin puncture sites and antiseptic; blood collection equipment, proper order of the tubes, anti coagulant; post puncture care; medical waste and sharps. Advanced instruction topics include: advanced infection control and biohazards: preanalytical sources of error in special collection; anatomical site selection and patient preparation; risk factors and complications; anticoagulation theory; corrective actions to take with phlebotomy and specimen processing; problem solving; communications, stress, behavior, ethics: QA in phlebotomy practice. Note this class is the first class of a two semester class.

💻NUR-100 Certified Nursing Assistant – Lecture *Course Length: 54 hours*

3 units

Co-Requisite: NUR 118

CSU

Clinical Theory of basic nursing practice including, but not limited to: communication and interpersonal skill, infection control, safety and emergency procedures, patient rights and ethics, basic nursing skills, personal care skills, mental health and social service needs, care of the cognitively impaired, and basic restorative services.

💻NUR-102 Introduction to Anatomy and Physiology for Allied Health *Course Length: 54 hours*

3 units

Pre-Requisite: ENG 100 or ENG 101

CSU

This Course provides an overview of structure and function of the human body for allied health students or for those who desire a basic understanding of the design and operation of the human body.

💻NUR-103 Introduction to Pharmacology *Course Length: 18 hours lecture 14 hours lab*

1.25 units

Pre-Requisite: MAT 095, ENG 100 or ENG 101, NUR 100, NUR 118

Co- Requisite: NUR 120, NUR 121 and any other non-nursing requirements not yet completed

CSU

This course is designed for students in the Vocational Nursing Program and presents information needed to calculate medication dosage. Skill and practice techniques enhance the student's ability to use the dimensional analysis method in their calculations formula. NOTE: This class is not transferable as a stand-alone Pharmacology class. It meets the requirements of the Board of Vocational Nursing and Psychiatric Technicians.

NUR-106 Introduction to Pharmacology II *Course Length: 36 hours lecture*

2 units

Pre-Requisite: Prior admission to the VN program and successful completion of NUR 103, and NUR 120

CSU

This course is designed for students in the Vocational Nursing Program who will be administering medications or caring for clients receiving medications. It introduces student to the basic drug classifications, therapeutic actions, major potential side effects and required nursing assessment and interventions: NOTE: this class is not transferable as a stand-alone Pharmacology class. It meets the requirements of the Board of Vocational Nursing and Psychiatric Technicians.

NUR-109 Medical-Surgical Nursing I - Lecture *Course Length: 180 hours lecture*

10 units

Pre-Requisite: NUR 102, NUR 120, NUR 121, NUR 117 or equivalent transfer courses

Co-Requisite: NUR 106, NUR 124

CSU

This course builds on the foundation of knowledge established in NUR 120. Continued emphasis is placed on the Nursing Process as the basis for providing total client care. Selected disorders of the body's systems and the implications for nursing care are presented to prepare the student to care for adult clients in the clinical setting. The student will continue to apply previously learned foundational concepts (fundamentals, pharmacology, nutrition, lifespan) to develop nursing strategies and actions to meet the physiologic and nursing needs of adult clients. Basic concepts of mental health, including selected disorders: major mood, organic, sexual, somatoform, and eating, are introduced. The addictive personality will be presented, including alcoholism and drug abuse. Discussion will include the chemically impaired nurse as well.

NUR-112 Medical-Surgical Nursing II - Lecture *Course Length: 135 hours lecture*

7.5 units

Pre-Requisite: NUR 109, NUR 106, NUR 124 or equivalent transfer courses

Co-Requisite: NUR 127

CSU

This course is designed to provide the student with basic knowledge in the nursing specialty areas of pediatrics and obstetrics. Pediatric nursing introduces care of children, emphasizing age and developmentally-appropriate care, for common selected childhood disorders. Obstetrical nursing includes prenatal, labor and delivery, postpartum, and newborn care. Coverage of selected medical-surgical disorders continues to emphasize application of the nursing process in assessment, plan, implementation, and evaluation of nursing care. Concepts of leadership and supervision, particularly delegation and conflict management, provides the basis for building team leading skills.

NUR-117 Nutrition for Nursing *Course Length: 27 hours lecture*

1.5 units

Pre-Requisite: MAT 095, ENG 100 or ENG 101, BIO 210 & BIO 211 or NUR 102

Co-Requisite: NUR 120, NUR 121

CSU

This course is designed to meet the needs of the Vocational Nursing student. It introduces the students to the essential nutrients and their functions. Emphasis is directed toward the nutritional needs of clients experiencing problems with the integumentary, musculoskeletal, endocrine, cardiovascular and urinary systems with the expectation the knowledge will be applied to the care for hospitalized clients with related disorders. Specific nutritional needs are presented for target populations: maternity, pediatric, rehabilitation, and gerontological patients. Note: This class is not transferable as a stand-alone Nutrition class.

NUR-118 Certified Nursing Assistant - Clinical *Course Length: 9 hours lecture 135 hours lab*
3 units
Co-Requisite: NUR 100
CSU
This course covers the practical application of basic nursing theories. Applications include psycho-social aspects of aging and techniques of nursing care. After successful completion of Nursing 100 lecture and clinical, students are prepared and eligible to take the California Department of Health Services approved certification examination. This course is offered as Pass/No Pass.

NUR-120 Fundamentals of Nursing - Lecture *Course Length: 180 hours lecture*
10 units
Pre-Requisite: ENG 100 or ENG 101, MAT 095, NUR 100, NUR 102, NSC 128, PSY 201
Co-Requisite: NUR 103, NUR 117, NUR 121
CSU
This course introduces knowledge essential for nursing practice in general and vocational nursing specifically. The Nursing Process provides the framework for development and implementation of nursing care strategies and interventions. Legal/ethical aspects of care, therapeutic communication techniques, along with cultural and ethnic considerations are introduced to prepare the student to work effectively with the client and the health care team. Principles of medical/surgical asepsis, infection control, and proper body mechanics are presented to provide the knowledge base needed to provide safe and appropriate patient care.

NUR-121 Fundamentals of Nursing - Clinical *Course Length: 288 hours lab*
5 units
Pre-Requisite: ENG 100 or ENG 101, MAT 095, NUR 100, NUR 102, NSC 128, PSY 201
Co-Requisite: NUR 103, NUR 117, NUR 121
CSU
This course emphasizes the development and application of client care skills related to the Vocational Nurse scope of practice. Students will learn and practice selected nursing skills under the direct supervision of the clinical instructor(s) in the skills lab setting prior to providing direct care to the patient in the clinical facility. Students will apply principles of care (e.g. asepsis, infection control) and the nursing process learned in NUR 120 while providing total patient care. This course is offered as Pass/No Pass.

NUR-124 Medical-Surgical Nursing I - Clinical *Course Length: 288 hours lab*
5 units
Pre-Requisite: NUR 103, NUR 117, NUR 120, NUR 121
Co-Requisite: NUR 106, NUR 109
CSU
This course emphasizes the development and application of client care skills related to the Vocational Nurse scope of practice. Students will learn and practice selected advanced nursing skills under the direct supervision of the clinical instructor(s) in the skills lab setting prior to providing direct care to the patient in the clinical facility. Students will continue to apply principles of care and the nursing process in providing total patient care. This course is offered as Pass/No Pass.

💻NUR-127 Medical-Surgical Nursing II - Clinical *Course Length: 408 hours lab*

7.5 units

Pre-Requisite: NUR 106, NUR 109, NUR 112

Co-Requisite: NUR 112

CSU

This course is designed to provide the student with basic knowledge in the nursing specialty areas of pediatrics and obstetrics. Pediatric nursing introduces basic care of children, emphasizing age and developmentally-appropriate care, under the supervision of the clinical instructor. As appropriate, the student will observe the pregnant client in labor and delivery and postpartum, including newborn care. Coverage of selected medical-surgical disorders continues to emphasize the nursing process in assessment, plan, implementation, and evaluation of nursing care. Opportunities to apply concepts of leadership and supervision, particularly delegation and conflict management, provides the basis for building team leading skills. This course is offered as Pass/No Pass.

💻NUR-151 Introduction to Identification of Cardiac Rhythm Strips *Course Length: 54 hours lecture*

3 units

CSU

This course is designed to teach the beginning student the pathophysiology of the heart and the cardiac conduction system, teach the criteria for dysrhythmia recognition, teach the beginning student identification of the most common dysrhythmias (benign and lethal), and how to identify a rhythm on the cardiac monitor. Treatment modalities for serious and lethal dysrhythmias will be discussed. This course also satisfies professional licensure board requirements for 54 continuing education hours for the RN, LVN, CNA, and EMT professionals.

💻NUR-250 IV Therapy Techniques for Nurses *Course Length: 30 hours lecture 24 hours lab*

2 units

Pre-Requisites: Graduate of VN Program, RN, selected X-Ray Technologists, or Paramedic candidates

CSU

This 54-hour, 2 unit class prepares students for initiating and/or maintaining common intravenous (IV) therapies. Nursing assessments, documentation, and special patient care are included. Although focus is on the hospitalized patient, knowledge can easily be transferred to the home health setting. Covers insertion techniques, administration of TPN, blood and blood products, piggybacks, intermittent infusion sets, common IV drugs, growth and development issues related to IV starts, Pediatric start techniques (including special pediatric equipment, site selection and IV administration considerations). The course covers minimum competencies for both Arizona and California IV certification and the regulations and scope of practice rules for both states.

💻PHE-100 Fitness Center *Course Length: 54 hours lab*

1 unit

CSU GE: E; UC

This class is designed for beginning and advanced students to participate in aerobic and anaerobic activities in the fitness center. One on one instruction is available for beginning students while advanced students can work together in groups to improve their fitness. An instructor or qualified assistant observes the students physical activity and provides instruction and supervision on the students performance.

💻PHE-135 Fitness and Exercise Center *Course Length: 54 hours lab*

1 unit

CSU GE: E; UC

The purpose of this course is to introduce the student to basic weight training as a means of fitness. An instructor or qualified assistant observes the students' physical activity and provides instruction and supervision on the students' performance.

💻✉SOC 115 INTRODUCTION TO CHICANO/A STUDIES *Course length: 54 hours lecture*

3 Units

IGETC:4 CSU GE: D; UC: B

An introductory survey of Chicano/a culture in the United States. This course will examine the political, economic, social, and cultural aspects influencing these group's advances, contributions, and adaptations to U. S society. Furthermore, this course explores the microsocial and structural aspects of the Chicano/a culture; including, identity formation, gender roles, education, and Chicano/a interactions within the dominant culture.

💻✉THA 114 SCRIPT ANALYSIS *Course length: 54 hours lecture*

3 units

CSU; UC (C-ID THRT 114)

Prerequisite: THA 110

Script Analysis students are introduced to techniques of in-depth reading, analyzing, and understanding play scripts in a variety of genres and styles intended for live theatrical production. Students learn to recognize and evaluate the playwright's methods of creating the plot, themes, characters, and imagery within theatrical scripts and how theatre scripts are distinct from other forms of literature. Also of value to students majoring in theatre is an emphasis on the development of techniques specific to use in acting, directing, design, and critical and social analysis.

💻✉WEL-100 Oxyacetylene Gas Welding *Course Length: 36 hours lecture 54 hours lab*

3 units

CSU

This course covers the theory and practices of acetylene welding in all positions. Students will receive hands-on training in oxyacetylene welding of plate and sheet metals. Students will learn the various types of welding equipment and safety practices to be followed in performing welding lab exercises.

💻✉WEL-101 Shielded Metal Arc Welding *Course Length: 36 hours lecture 54 hours lab*

3 units

CSU

This course covers the basic theories and practices of Shielded Metal Arc Welding. Students will receive hands-on training in welding pipe and sheet metals in all positions. Students will learn the various types of arc welding equipment and personal safety practices.

💻✉WEL-102 Basic Gas Metal Arc Welding *Course Length: 36 hours lecture 54 hours lab*

3 units

CSU

This course covers the theory and practices of Basic Gas Metal Arc Welding (BGMAW). Students will use the GMAW equipment to produce specified welds in all positions. Students will learn the various types of GMAW equipment and personal safety practices.

💻✉WEL-103 Basic Gas Tungsten Arc Welding *Course Length: 36 hours lecture 54 hours lab*
3 units
CSU
This course covers the theory and practices of Gas Tungsten Arc Welding. Students will use the GTAW equipment to produce specified welds in mild steel and aluminum plates. The students will learn the various types of GTAW equipment and personal safety practices.

💻✉WEL-200 Advanced Gas Metal Arc Welding *Course Length: 36 hours lecture 54 hours lab*
3 units
CSU
This course covers the theory and practices of Advanced Gas Metal Arc Welding in mild steel plate and pipe. Emphasis is placed on four position welding techniques (flat, horizontal, vertical and overhead) utilizing the Gas Metal Arc Welding (GMAW) process.

💻✉WEL-201 Advanced Gas Tungsten Arc Welding *Course Length: 36 hours lecture 54 hours lab*
3 units
CSU
This course covers the theory and practices of Advanced Gas Tungsten Arc Welding (GTAW). Students will use the GTAW equipment to produce specified welds in mild steel plates and aluminum plates. Emphasis is placed on GTAW of steel and aluminum tubing.

💻✉WEL-202 Advanced Oxyacetylene Gas Welding *Course Length: 36 hours lecture 54 hours lab*
3 units
CSU
This course covers the theory and practices of Oxyacetylene Gas Welding. Students will receive hands-on training in oxyfuel welding. Students will practice all welding exercises and become proficient in braze welding and soldering. Students will be expected to produce welded joints with a high degree of integrity.

💻✉WEL-203 Consolidated Welding *Course Length: 36 hours lecture 54 hours lab*
3 units
CSU
Consolidated Welding prepares students with marketable skills for welding construction and metal fabrication. Students will utilize Oxyacetylene welding (OAW), Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), and Gas Tungsten Arc Welding (GTAW) processes to perform industry related welds.

ARTS AND HUMANITIES

ART 105, 110, 111, 120, 125
ASL 131, 132, 134, 135
ENG 102, 120, 122, 125, 140
FRE 101
HIS 110, 120
MUS 121, 127, 131, 132, 135, 137, 141, 142, 150, 161, 162, 233, 234, 243, 261, 262
PHI 100
SPA101, 102, 115
SPE 101, 102, 103, 105
THA 110, 114, 151, 152, 171, 191, 192

PROGRAM STUDENT LEARNING OUTCOMES Upon successful completion of the AA, Liberal Arts, Arts and Humanities program students will have:

1. Acquired fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning, the arts, literature and humanities, social, political and economic institutions, and self-development.
2. Acquired a broad understanding and appreciation of the arts and humanities.

MATHEMATICS & SCIENCE

AGR 120, 140, 170
AST 101, 105, 110
BIO 100, 101, 110, 111, 210, 211
CHE 101
GEO 101, 103
GEL 101, 103, 105
MAT 106, 108, 110, 210, 220
PSY155
PHY101

Students following the CSUGE or IGETC must complete two science courses with at least one lab AND at least one transferable math to get certified. If a student is transferring in a science and/ or math major, more math and science courses must be completed.

PROGRAM STUDENT LEARNING OUTCOMES Upon successful completion of the AA, Liberal Arts Mathematics and Science program students will have:

1. Acquired fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning, the arts, literature and humanities, social, political and economic institutions, and self-development.
2. An understanding of the process of photosynthesis leading to formation of oxygen and carbohydrates.

NURSING & ALLIED HEALTH

Prerequisite courses required prior to admission into the Vocational Nursing Program:

◊ NUR 102 Intro to Anatomy & Physiology** OR BIO210 & BIO211 ** 3 UNITS
NSC 128 Medical Terminology 3 UNITS
◊ PSY 201 Lifespan Development 3 UNITS
◊ NUR 100 Nursing Assistant- Lecture 3 UNITS
◊ NUR 118 Nursing Assistant- Clinical 3 UNITS
◊ Kaplan Assessment 3 UNITS

Total Prerequisite units for admission to VN Program = 15 UNITS

****All Anatomy and Physiology courses must have been taken within the last 5 years.**

PALO VERDE COLLEGE

WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

ASSOCIATE IN SCIENCE IN BUSINESS ADMINISTRATION FOR TRANSFER PROGRAM

DESCRIPTION: The Business Administration degree was designed for students planning to transfer to 4-year educational institutions with the intent to specialize in business related occupations. The AS-T Business Administration for transfer provides students with skills, knowledge and judgment requisite for business careers. Many positions in business and government services require general business training. Retail organizations, accounting firms, marketing agencies, financial institutions, insurance agencies, and government are but a few of the employers offering opportunities to the person with general business training skills. Business administration is a wide field that incorporates many types of management positions. From the major corporations to independent businesses all of which requires skilled administrators in order to succeed. The administration of a business includes the performance of business and decision-making, as well as, the efficient organizations of people and other resources to direct activities towards common goals and objectives. The Associate Degree for Transfer AS-T is designed to give students the opportunity for an efficient pathway for transfer. Students completing the degree are guaranteed admission with junior standing to the CSU system.

REQUIREMENTS FOR THE MAJOR:

Required Core: 3-8 units

Course	Title	Units
ACC 101	Principles of Accounting I	4
ACC 102	Principles of Accounting II	4
BUS 135	Business Law	3
ECO 105	Principles of Microeconomics	3
ECO 106	Principles of Macroeconomics	3
List A: 4 units		
MAT 106	Statistics	4
LIST B: (Select two): 6 units		
BUS 140	Business Information Systems	3
OR		OR
CIS 101	Introduction to Computer Information Systems	3
AND		
BUS 101	Introduction to Business	3
OR		OR
BUS 202	Business Communication	3
Total Units for the Major		27

PROGRAM STUDENT LEARNING OUTCOMES:

1. Acquired fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning, the arts, literature and humanities, social, political and economic institutions, and self-development.
2. Demonstrate understanding of various business functions, practices and related theories and be able to integrate this functional knowledge in order to address global market practices.

PALO VERDE COLLEGE

WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

ASSOCIATE IN ARTS IN CHILD AND ADOLESENT DEVELOPMENT FOR TRANSFER

PROGRAM DESCRIPTION: The Associate in Arts in Child and Adolescent Development for Transfer will prepare students for admission to a CSU school in the same or similar major. Students completing this degree will acquire a foundation in the theories and principles of growth and development, from conception through adolescence. The program provides a basis of knowledge in child development, psychology, biology, and statistics. Students who complete this degree are guaranteed admission to the CSU system, but not to a particular campus.

REQUIREMENTS FOR THE MAJOR:

Required Core: 9 units

Course	Title	Units
CHD 101	Child Growth and Development	3
PSY 101	General Psychology	3
MAT 106	Statistics	4
OR		OR
PSY 155	Introduction to Statistical Analysis for the Social Sciences	3

List A: (Select three): 9 units

ANT101	Cultural Anthropology	3
BIO100	Introduction to Biology	4
BIO110	Basics of Biology	4
CHD102	Child, Family, and the Community	3
PSY201	Lifespan Development	3
CHD108	Practicum-Field Experience	3
SOC101	Introduction to Sociology	3
SOC111	Marriage and the Family	3

Select two maximum (3-6 units)

CHD 102	Child, Family, and the Community	3
CHD 103	Introduction to Curriculum	3
CHD 104	Principles and Practices of Teaching Young Children	3
CHD 105	Observation and Assessment	3
CHD 106	Health, Safety and Nutrition	3
CHD 107	Teaching in a Diverse Society	3
CHD 108	Practicum - Field Experience	3

Total Units for the Major	18-20

PROGRAM STUDENT LEARNING OUTCOMES:

1. Acquired fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning, the arts, literature and humanities, social, political and economic institutions, and self-development.
2. Demonstrate a broad understanding of the needs and characteristics of children, shaped by the biological, cognitive, social, and cultural factors influencing development and learning.

PALO VERDE COLLEGE

WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

ASSOCIATE IN ARTS IN COMMUNICATION STUDIES FOR TRANSFER

PROGRAM DESCRIPTION: The AAT in Communication Studies is intended to align with preparation for transfer into the CSU system in similar fields of study. Communicating well and understanding the communication process are essential to professional success in many fields. People communicate to influence, to persuade, and to express. This degree encourages students to examine and evaluate human communication across and within various contexts for the purpose of increasing communication competence. Studying the communication process helps one understand how the human mind works. Areas of study include face to face interaction, group process, organizational communication, argument and debate, advocacy, intercultural communication, and interpersonal communication.

REQUIREMENTS FOR THE MAJOR:

Required Core: 3 units

Course	Title	Units
SPE 102	Public Speaking	3

List A: (Select two): 6 units

SPE 103	Argument and Debate	3
SPE 130	Interpersonal Communications	3

LIST B: (Select two): 6 units

SPE 105	Intro to Intercultural Communications	3
SPE 101	Introduction to Speech	3

LIST C: (Select one): 3 units

ANT 101	Cultural Anthropology	3
PSY 101	General Psychology	3
SOC 101	Introduction to Sociology	3
ENG 102	Composition and Introduction to Literature	3
ENG 103	Critical Thinking and English Composition	3

Total Units for the Major 18

PROGRAM STUDENT LEARNING OUTCOMES:

1. Acquire fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning.
2. Acquire a broad understanding and appreciation of communicating, verbal expression and constructive criticism.

PALO VERDE COLLEGE

WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

ASSOCIATE IN ARTS IN HISTORY FOR TRANSFER

PROGRAM DESCRIPTION: The Associate in Arts in History for Transfer Degree offers an array of courses designed to enable students to comprehend how they, their nation, and the contemporary world have been shaped by historical events and forces. It is only by studying the history of other civilizations and cultures that we hope to gain perspective on our own. In addition to producing teachers and historical researchers, the AA-T in History helps prepare students for other careers. Majoring in history is excellent preparation for students interested in a teaching career, the legal profession, or advanced work in the discipline.

REQUIREMENTS FOR THE MAJOR:

Required Core: 6 units

Course	Title	Units
HIS 130	American History I	3
HIS 140	American History II	3

List A: (Select two): 6 units

HIS 110	World Civilization I	3
HIS 120	World Civilization II	3

LIST B: (Select one course from each area): 6 units

AREA 1 Diversity: 3 units

HIS 115	Current Events	3
HIS 125	California History	3
SOC 115	Introduction to Chicano/a Studies	3
SPA 101	Elementary Spanish I	5
SPA 102	Elementary Spanish II	5

AREA 2: 3 units

ANT 101	Cultural Anthropology	3
GEO 103	World Geography	3
POS 145	American Political Institutions	3
SPE 105	Introduction to Intercultural Communication	3

Total Units for the Major 18

PROGRAM STUDENT LEARNING OUTCOMES:

1. Acquired fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning, the arts, literature and humanities, social, political and economic institutions, and self-development.
2. Identify historical sources and then apply appropriate historical methods to explain historical context.
3. Describe, compare, and evaluate historical interpretations, analyzing them for relative quality and accuracy.

PALO VERDE COLLEGE

WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

ASSOCIATE IN ARTS IN KINESIOLOGY FOR TRANSFER

PROGRAM DESCRIPTION: Kinesiology is the study of movement as it relates to physical activity, health, disease prevention, exercise and sport. Kinesiology Majors are grounded in an interdisciplinary body of knowledge which encompasses the biological, psychological, physical, and social sciences. They use this knowledge to understand how the human body responds to movement, exercise, exercise training and overall fitness. Kinesiology majors can find employment in health care, coaching, sports officiating and athletic training. Public schools also recruit kinesiologists for their physical education departments or programs. Lastly, a baccalaureate degree in Kinesiology can also lead to advanced degrees in Physical Therapy, Occupation Therapy or Medical School.

REQUIREMENTS FOR THE MAJOR:

Required Core: 12 units

Course	Title	Units
KIN 100	Introduction to Kinesiology	3
BIO 210	Human Anatomy	4
BIO 211	Human Physiology	5

Movement-Based Courses: (Select one course maximum from three of the following areas): 3 units

Area Fitness:		
PHE 100	Fitness Center	1
PHE 135	Fitness and Exercise	1
Area Individual Sports:		
PHE 176	Introduction to Golf	1
PHE 177	Intermediate Golf	1
Area Team Sports:		
PHE 155	Basketball	1
PHE 156	Basketball 2	1

List A: (Select two): 6 units

MAT 106	Statistics	4
OR		OR
PSY 155	Introduction to Statistical Analysis for the Social Sciences	3
BIO 110	Basics of Biology	4
CHE 101	Introduction to General Chemistry	4
KIN 101	First Aid and CPR	3

Total Units for the Major 21-23

PROGRAM STUDENT LEARNING OUTCOMES:

1. Acquired fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning, the arts, literature and humanities, social, political and economic institutions, and self-development.
2. Identify and apply basic physiological principles of human movement in exercise and sports settings.

PALO VERDE COLLEGE

WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

ASSOCIATE IN ARTS IN LAW, PUBLIC POLICY, and SOCIETY FOR TRANSFER

PROGRAM DESCRIPTION: The Associate in Arts in Law, Public Policy, and Society for Transfer Degree Students introduces students to the field of Law, Public Policy, and Society through the study of the interdisciplinary fields of law, political science, history, philosophy, sociology and communications. Students will acquire skills and abilities in communications and critical thinking, and an introduction to the legal field, as well as preparation for further study in a variety of majors. The AAT in Law, Public Policy, and Society is intended for students who plan to complete a bachelors degree in a related field at the CSU.

REQUIREMENTS FOR THE MAJOR:

Required Core: 24 units

Course	Title	Units
CRJ 115	Introduction to Law Enforcement/Corrections	3
OR		OR
CRJ 103	Criminal Law	3
OR		OR
BUS 135	Business Law	3
PHI 120	Introductions to Ethics	3
SPE 102	Public Speaking	3
OR		OR
SPE 103	Argumentation and Debate	3
ENG 100	Reading and Composition with Supplemental Lab	4
OR		OR
ENG 101	Reading and Composition	3
SPE 103	Argumentation and Debate	3
OR		OR
ENG 103	Critical Thinking and English Composition	3
MAT 106	Statistics	4
OR		OR
PSY 155	Introduction to Statistical Analysis for the Social Sciences	3
HIS 130	American History I	3
OR		OR
HIS 140	American History II	3
POS 145	American Political Institutions	3

List A: (Select two courses (6 units) from two of the areas listed below: (NOTE: courses must not have been used above.) 6 units

Area 1:		
CRJ 115	Introduction to Law Enforcement/Corrections	3
CRJ 103	Criminal Law	3
CRJ 120	Community Relations	3
CRJ 206	Legal Aspects of Evidence	3
Area 2:		
BUS 135	Business Law	3
Area 3:		
ECO 106	Principles of Microeconomics	3
ECO 105	Principles of Macroeconomics	3
Area 6:		
ANT 101	Cultural Anthropology	3
SPE 105	Introduction to Intercultural Communications	3
SOC 115	Introduction to Chicano/a Studies	3
Area7:		

GES 115	The Master Student	3
Total Units for the Major		30-32

PROGRAM STUDENT LEARNING OUTCOMES:

1. Acquired fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning, the arts, literature and humanities, social, political and economic institutions, and self-development.
2. Explain the internal and external process of government, interests groups, and public policy.

PALO VERDE COLLEGE

WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

ASSOCIATE IN SCIENCE IN PUBLIC HEALTH SCIENCE FOR TRANSFER

PROGRAM DESCRIPTION: The Associate in Science in Public Health Science for Transfer (AS-T) is a degree that provides a solid lower-division preparation for students who intend to transfer to a California State University (CSU) for a bachelor's degree in Health Science with Health Education option, Health Science with Public Health option, Health Science with Community Health Option, Health Science with Health Promotion & Disease Prevention, Health Education, Public Health, Kinesiology with Health Education, Kinesiology with Health Science option, Kinesiology with Health and Wellness option, Kinesiology with Health Promotion and Disease Prevention and Collaborative Health and Human Services with Community Health option. This degree is designed to provide a clear pathway to a CSU and guarantee admissions to a CSU. Although, students are guaranteed admissions, it is not to any particular campus or program in the CSU system. This coursework will satisfy the lower division Associate in Science in Public Health Science for Transfer Degree requirements at some of the CSU campuses. Information on which campuses accept this degree can be found at http://www.sb1440.org/

REQUIREMENTS FOR THE MAJOR:

Required Core: 30 units

Course	Title	Units
HEA140	Health Education	3
OR		OR
PHS100	Personal Health and Wellness	3
PHS101	Introduction to Public Health	3
MAT106	Statistics	4
BIO110	Basics Biology	4
CHE101	Introduction to General Chemistry	4
PSY101	General Psychology	3
BIO210	Human Anatomy	4
BIO211	Human Physiology	5

List A: (Select one course): 3 units

ECO105	Principles of Macroeconomics	3
ECO106	Principles of Microeconomics	3
PHS103	Public Health and Social Justice	3
PSY115	Human Sexuality	3
SOC101	Introduction to Sociology	3

Total Units for the Major 33

PROGRAM STUDENT LEARNING OUTCOMES:

1. Acquired fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning, the arts, literature and humanities, social, political and economic institutions, and self-development.
2. Applies knowledge of various approaches to improving population health, based on public health data and information.

ASSOCIATE IN SCIENCE IN PSYCHOLOGY FOR TRANSFER

PROGRAM DESCRIPTION: The Associate in Arts in Psychology for Transfer Degree introduces students to the psychological principles and methodologies used in the scientific study of mental processes and behaviors. Students will acquire the essential foundation and skills necessary to pursue advanced degrees in Psychology, a wide variety of occupational specializations in the field and a seamless transfer to CSU.

REQUIREMENTS FOR THE MAJOR:

Required Core: 10 units

Course	Title	Units
MAT106	Statistics	4
PSY101	General Psychology	3
PSY150	Introduction to Research Methods	3

List A: (select one course) 3 – 5 units

BIO100	Intro Biology	4
AND		AND
BIO101	Intro to Biology Laboratory	1
OR		OR
PSY205	Introduction to Biological Psychology	3

List B: (select one course) 3 units

PSY201	Lifespan Development	3
OR		OR
PSY215	Social Psychology	3

List C: (select one course) 3 units

CHD101	Child Growth & Development	3
PSY110	Personal and Social Adjustment I	3
PSY115	Human Sexuality	3
PSY145	Human Relations	3
PSY210	Abnormal Psychology	3
PSY220	Counsel/Interview	3
CHD101	Child Growth and Development	3
PSY203	Health Psychology3	
PSY202	Positive Psychology	3

Total Units for the Major 33

PROGRAM STUDENT LEARNING OUTCOMES:

1. Acquired fundamental grounding in communication, critical thinking, scientific inquiry, and quantitative reasoning, the arts, literature and humanities, social, political and economic institutions, and self-development.
2. Applies knowledge of various approaches to improving population health, based on public health data and information.

SOLAR TECHNICIAN CERTIFICATE OF ACHIEVEMENT

PROGRAM DESCRIPTION: This program is designed to prepare the student for entry level residential and utility scale photovoltaic installations. Solar Technician certificate will introduce students to basic electrical theory, electrical safety, solar radiation, welding, blue-print reading, site surveys, system design and installation, commissioning and troubleshooting. Students will learn NABCEP's learning objectives. The NABCEP exam will be available for students successfully completing the course. The test will have an additional cost to each student participating.

Course	Title	Units
BCT 110	Blueprint Reading	3
BCT 113	Basic Plumbing	3
BCT 116	Basic House Wiring Theory	3
BCT 220	Photovoltaic Systems	3
NBE 098	Preparatory Mathematics	0
WEL 103	Basic Gas Tungsten Arc Welding	3
Total Required Units		16

PROGRAM STUDENT LEARNING OUTCOMES:
Upon successful completion of the Building Construction Technology Certificate of Career Preparation program students will have:
1. Be able to answer questions to demonstrate their knowledge of the Occupational Health and Safety Association standards as related to today's solar industry.
2. Demonstrate their knowledge of solar installations from start through the finish phase by completing assignments and exams specifically designed to test their comprehension.
3. Demonstrate their knowledge of roof top photovoltaic installations. Demonstrate understanding of solar radiation, site surveys, component comparisons and installation, and mechanical and electrical integration. Student's comprehension will be measured based on their ability to successfully design a residential photovoltaic system and pass the specifically designed exam