

# 2017-18 CATALOG ADDENDUM

All updates are effective Spring 2018 semester, unless otherwise noted.

## NEW COURSES

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### Art (ART)

#### **ART-134 Digital Illustration**

**3 Units: 36 hours of lecture, 54 hours of laboratory per term, LG, DG, CSU**

*Prerequisite:* ART-132

This is a course for digital artists which focuses on vector image creation. Students will work with Adobe Illustrator software. In this course, students will learn the basic functions and tools to design and illustrate vector graphics in Adobe Illustrator, as well as an understanding of technical and compositional concepts.

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### Computer Information Systems (CIS)

#### **CIS-101 IT Essentials – Technician Course**

**4 Units: 54 hours of lecture, 54 hours of laboratory per term, SC, DG, CSU**

This course will introduce the student to computer hardware and software, as well as operating systems, networking concepts, mobile devices, IT security, and troubleshooting.

#### **CIS-197 Installing and Configuring Windows 10**

**3 Units: 36 hours of lecture, 72 hours of laboratory per term, SC, DG, CSU**

*Prerequisite:* CIS-110 or CIS-135 or BOT-210A

This course provides students the opportunity to install, configure, customize, monitor, and troubleshoot the latest version of software from Microsoft. After the class, they get to keep the software for their own use and continued practice. CIS-197 prepares students for Exam 70-698 of the Microsoft Certified Technology Expert (MCTE) certification.

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### Dramatic Arts (DRAMA)

#### **DRAMA-126 Script Analysis**

**3 Units: 54 hours of lecture, per term, SC, DG, CSU**

This course explores an in-depth methodology of reading, analyzing and understanding play scripts in a variety of genres and styles intended for production. The course gives emphasis on critical analysis of structure, genre, theme, style, character, language, dramatic event, and point of view of the playwright, director, critic, actor, and audience in order to understand what the scripts "means" to the professional theatre and the theatre-goer as distinct from other forms of literature.

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### Emergency Medical Sciences (EMED)

#### **EMED-205 Paramedic Field Internship**

**10-15 Units: 540-810 hours of laboratory by arrangement, per term, LG, DG, CSU**

*Prerequisite:* EMED-200, 201, 202, 203, and 204; Student must remain certified as an EMT throughout the duration of this course and have a valid AHA CPR Card, or equivalent.

This course provides practicum experience for paramedic students to observe and participate in emergency medical care supervised by a preceptor in an emergency response vehicle. Requires a minimum of 540 hours, and students must document at least 40 advanced life support (ALS) patient contacts. Student will provide the full continuum of care from initial contact to transfer of care at the receiving facility for half of all ALS contacts. Students must obtain minimum competency as a Team Leader. The field internship provides the student with an opportunity to serve as team leader in a variety of pre-hospital advanced life support emergency medical situations.

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### Mathematics (MATH)

#### **MATH-122 Beginning & Intermediate Algebra for STEM**

**6 units: 90 hours of lecture, 54 hours of lab, per term, LR, DG**

Zoom toward calculus: This accelerated course covers Beginning and Intermediate Algebra (Math 118 & 120) in one course, and also gives you a taste of trigonometry to help you succeed in Precalculus (Math 171) and Calculus (Math 190). In this accelerated course, we will explore linear, quadratic, exponential, logarithmic, and trigonometric functions. We will investigate the concepts from multiple perspectives, including tables, graphs, algebraic, and written descriptions. Familiarity with order of operations and signed numbers is recommended. This course is recommended for students who are willing to spend a minimum of 10 study hours outside of class each week.

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## Media (MEDIA)

### **MEDIA-162 Digital Film Editing II**

**3 units: 36 hours of lecture, 54 hours of lab, per term, SC, DG, CSU**

This course builds on foundation techniques and skills students gained by completing MEDIA-161. Students will learn intermediate level digital film editing techniques using Adobe Premiere software. Students will also utilize skills learned to produce projects using other Adobe post-production applications including After Effects, Speed Grade, Encore, Photoshop and Media Encoder.

### **MEDIA-166 Motion Graphic Design and Animation II**

**3 units: 36 hours of lecture, 54 hours of lab, per term, SC, DG, CSU**

This course builds on foundation techniques and skills students gained by completing MEDIA-165. Students will learn intermediate skills for Adobe After Effects software. Topics covered include color grading, animators, particle systems, shape layers, Cinema 4D, time remapping and project integration with Adobe Creative Suite applications.

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## Music (MUSIC)

### **MUSIC-102 Beginning Voice: Cultural Perspective**

**3-4 units: 54 hours of lecture, 0-54 hours of lab by arrangement, per term, SC, DG, CSU**

This course provides an introduction to and analysis of the principles of music and performance from past and present cultures within the context of the vocal music art form. History of genre and performance practice will be discussed as students analyze written scores, research history and cultural significance of tone and diction, and critique live and recorded performances.

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## Physical Education (PE)

### **PE-268B Intermediate Walking for Fitness**

**.5-2 units: 27-108 hours of lab, per term, LR, DG, CSU**

*Prerequisite: PE-268A*

This course is designed to teach intermediate walking skills. Students will continue to utilize walking as a fitness enhancing activity, and the walking routes will expand to include hills. Topics include: fitness assessment, health assessment, training techniques, timed mile, nutrition analysis, motivation, program design and evaluation.

### **PE-268C Advanced Walking for Fitness**

**.5-2 units: 27-108 hours of lab, per term, LR, DG, CSU**

*Prerequisite: PE-268C*

This course is designed to teach advanced level walking skills. Students will continue to utilize walking as a fitness enhancing activity, and the walking routes will expand to include interval training. Topics include: fitness assessment, health assessment, interval training techniques, timed mile hill climb, and program design and evaluation.

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## Philosophy (PHILO)

### **PHILO-160 Introduction to Social and Political Philosophy**

**3 Units: 54 hours of lecture, per term, SC, DG, CSU**

*Advisory: ENGL-142B*

This course introduces students to the major issues in Social and Political Philosophy, including the nature of justice, the purpose of government, the relation of economics to politics, and the origins of totalitarianism (ex: fascism). Students explore these and other questions through diverse philosophers and thinkers from the ancient, modern, and contemporary periods, with emphases on critical race, feminist, and postcolonial perspectives.

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## REACTIVATED COURSES

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### Nursing (NURS)

**(Effective, Summer/Fall 2017)**

#### **NURS-209 Advanced Placement Transition Course**

**1 Unit: 18 hours of lecture, per term, P/NP, ND**

*Prerequisite: Admission to Advanced Placement status in the Nursing Program*

This course is designed to bridge the gap for the advanced placement student entering the nursing program. The course emphasizes nursing process, therapeutic communication, role transition, orientation to the RN program, and a review of nursing skills.

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## REVISED COURSES

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### Administration of Justice (ADJUS)

**Note Changes: Title, Transferability, Description**

#### **ADJUS-126 Correctional Counseling**

**3 Units: 54 hours of lecture, per term, LR, DG, CSU**

This course is designed to offer content to students in learning the use of relevant concepts, strategies and techniques, to effectively assess, and match offenders to community based program organizations. The content includes a segment of assignments introducing communication and interviewing skills and technology as learning tools. Students will receive materials on use of format templates, recording and documenting interviews, creating files for report writing and different media categories (audio, oral, video).

## Art (ART)

### Note Changes: Title, Units, Hours, Description

#### ART-245 Ceramics: Intermediate I

3 Units: 36 hours of lecture, 72 hours of laboratory, per term, SC, DG, CSU, UC

*Prerequisite:* ART-146

*Required materials fee of \$3.00 per unit.*

This course builds on ceramic techniques and skills students gained by completing ART-146. Students will learn more about ceramic materials, and will learn intermediate level skills in forming, wheel throwing, decorating and firing as applied to creating functional stoneware objects.

### Note Changes: Title, Units, Hours, Description

#### ART-246 Ceramics: Intermediate II

3 Units: 36 hours of lecture, 72 hours of laboratory, per term, SC, DG, CSU, UC

*Prerequisite:* ART-245

*Required materials fee of \$3.00 per unit.*

This course builds on ceramic techniques and skills students gained by completing ART-245. Students will learn more about ceramic materials, and will refine intermediate level skills in forming, wheel throwing, decorating and firing as applied to creating functional stoneware objects. Students will develop a more individual approach to clay.

### Note Changes: Units, Hours, Description

#### ART-258 Digital Photography: Intermediate I

3 Units: 36 hours of lecture, 54 hours of laboratory, per term, SC, DG, CSU, UC

*Prerequisite:* ART-159

This course continues the instruction in the operation and use of digital still cameras covered in ART-159. Topics covered include thematic projects, intermediate techniques using software (Adobe Photoshop & Lightroom) to enhance images, and the use of large format archival printers to produce fine art prints. Students will add to a professional portfolio.

### Note Changes: Units, Hours, Description

#### ART-259 Digital Photography: Intermediate II

3 Units: 36 hours of lecture, 54 hours of laboratory, per term, SC, DG, CSU, UC

*Prerequisite:* ART-258

This course continues the instruction in the operation and use of digital still cameras covered in ART-258. Students will use the skills gained in the previous course to produce higher quality images. Coursework will include thematic projects, downloading of images, storage media, archiving strategies, utilizing image enhancing software (Photoshop & Lightroom), and the submission of a digital portfolio of digital images. Students will also use large format archival printers to produce fine art prints.

### Note Changes: Hours, Grading Scheme

#### ART-810N Drawing for the Older Adult Student

Noncredit, 9-18 hours of lecture, 27-36 hours of lab, per term, P/NP/SP

Working from live models, still life and outdoor settings, the student will study techniques in perspective, light, shading and color. Special attention will be paid to design and composition

in which objects and the human form exist, not by themselves, but in a real or imagined environment. Students will work with various materials including pencils, charcoal and oil pastels. May be repeated indefinitely.

## Automotive Services (AUSER)

### Note Changes: Transferability, Description

#### AUSER-123 Introduction to Auto Collision Repair Technology

4 Units: 72 hours of lecture, per term, LR, DG, CSU

*Corequisite:* AUSER-125

*Note:* Normally offered in the fall.

This course covers tools used in collision repair, principles of automotive construction, repair of plastics, repair of different metals used in automotive production, body filler, removing and replacing cosmetic and structural body parts and corrosion protection steps. This course prepares students for ASE (Automotive Service Excellence) non-structural repair exam. Students will take the I-CAR (Inter-Industry Conference on Auto Collision) PDP-EE (Professional Development Program Education Edition) Non-Structural Technician ProLevel 1 exam and have the opportunity to be eligible for I-CAR Industry Training Alliance Gold class points.

### Note Changes: Description

#### AUSER-124 Introduction to Automotive Painting and Refinishing Technology

4 Units: 72 hours of lecture, per term, LR, DG, CSU

*Corequisite:* AUSER-126

*Note:* Normally offered in the spring.

This course covers the importance of safety in the workplace including the Safety and Pollution exams (SP2), the painter's responsibility to the environment in volatile organic compound (VOC) record keeping, related tools and equipment in the refinishing trade, preparation for spray painting, color matching and prepares the student to take the Automotive Service Excellence (ASE) exam in Painting and Refinishing. Students will take the I-CAR (Inter-Industry Conference on Auto Collision) PDP-EE (Professional Development Program Education Edition) Refinish Technician ProLevel 1 exam and have the opportunity to be eligible for I-CAR Industry Training Alliance.

### Note Changes: Description

#### AUSER-125 Introduction to Automotive Collision Repair Technology Laboratory

5 Units: 270 hours of laboratory, per term, LR, DG, CSU

*Corequisite:* AUSER-123

*Note:* Normally offered in the fall

This course offers shop practice in automotive construction, repair of plastics, repairing metals used on all vehicles, mixing and applying body fillers, performing removal and replacement of exterior body panels, automotive welding, and corrosion protection steps. This course prepares students for ASE (Automotive Service Excellence) non-structural repair exam. Students will take the I-CAR (Inter-Industry Conference on Auto Collision) PDP-EE (Professional Development Program Education Edition) Non-Structural Technician ProLevel 1 exam and have the opportunity to be eligible for I-CAR Industry Training Alliance Gold class points and I-CAR Welding Qualification Test.

**Note Changes: Description****AUSER-126 Introduction to Automotive Painting & Refinishing Technology Laboratory****5 Units: 270 hours of laboratory, per term, LR, DG, CSU***Corequisite: AUSER-124**Note: Normally offered in the spring*

This course allows the student to demonstrate the importance of safety in the workplace by practicing the Safety and Pollution exams (SP2), the painter's responsibility to the environment in volatile organic compound (VOC) record keeping, using tools and equipment in the refinishing trade, vehicle preparation for spray painting, color matching. It prepares the student to take the Automotive Service Excellence (ASE) exam in Painting and Refinishing. Students will take the I-CAR (Inter-Industry Conference on Auto Collision) PDP-EE (Professional Development Program Education Edition) Refinish Technician ProLevel 1 exam and have the opportunity to be eligible for I-CAR Industry Training Alliance Gold class points.

**Note Changes: Description****AUSER-207 Hybrid Electric Vehicles Diagnostics and Repairs****2.5 Units: 36 hours of lecture, 27 hours of laboratory, per term, LR, DG, CSU***Prerequisite: AUSER-107 or instructor approval which will be determined through ASE exams A6 and A8 or work experience.*

This course provides an interactive approach to advanced service and repair of the more common hybrids. Students will perform routine maintenance and repairs as it is prescribed by the manufacturer. Students will practice skills in diagnosis and repair of common hybrid units.

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## Chemistry (CHEM)

**Note Changes: Hours****CHEM-120 General College Chemistry I****5 Units: 54 hours of lecture, 108 hours of laboratory, per term, SC, DG, CSU, UC (C-ID: CHEM 110; C-ID: CHEM 120S)***Prerequisite: MATH-120 or equivalent (Intermediate Algebra)**Advisory: High school science preparation including a course in chemistry with a laboratory (equivalent to CHEM-119). The ability to read and write at the ENGL-142B level. A diagnostic exam may be given to assist the student in determining whether or not they have adequate preparation for the course.*

This course is the first semester of general college chemistry, equivalent to CHEM 1A at the University of California, Berkeley. It covers chemical concepts including elements, atoms, molecules, chemical reactions, chemical calculations, gases and gas laws, thermochemistry, quantum theory, chemical bonding, pure phases and solutions, and an introduction to acids, bases, and chemical equilibrium.

**Note Changes: Hours****CHEM-121 General College Chemistry II****5 Units: 54 hours of lecture, 108 hours of laboratory per term, SC, DG, CSU, UC (C-ID: CHEM 120S)***Prerequisite: CHEM-120 or equivalent*

This course is a continuation of the first semester of general college chemistry, CHEM-120. It covers chemical equilibrium, chemical kinetics and thermodynamics, acid and base equilibrium, solubility equilibria, electrochemistry, and special topics in nuclear chemistry, transition metal chemistry, organic and biochemistry. CHEM-120 and 121 are equivalent to CHEM 1A and 1B at the University of California, Berkeley.

**Note Changes: Hours****CHEM-226 Organic Chemistry I****5 Units: 54 hours of lecture, 108 hours of laboratory, per term SC, DG, CSU, UC (C-ID: CHEM 150; C-ID: CHEM 160S)***Prerequisite: CHEM-120 or equivalent**Advisory: ENGL-142B and CHEM-121 or equivalent.**Note: Offered in the fall semester*

This first half of a one-year course (CHEM 226-227) covers structure and bonding, stereochemistry, common synthetic reactions and reaction mechanisms; alkanes, alkenes, alkynes; benzene and other aromatic compounds; and various common functional groups such as halides, alcohols, ethers, and selected carbonyl compounds. The organic laboratory includes characterization techniques, separations and syntheses, spectroscopy, and laboratory experiments involving reactions described in the lecture.

**Note Changes: Hours****CHEM-227 Organic Chemistry II****5 Units: 54 hours of lecture, 108 hours of laboratory, per term SC, DG, CSU, UC (C-ID: CHEM 160S)***Prerequisite: CHEM-226 or equivalent**Advisory: Recommend English reading and composition skills at the ENGL- 142B level.**Note: Normally offered in the spring*

This second half of a one-year course (CHEM 226-227) continues and expands concepts of structure and bonding and reactivity introduced in the first semester. Areas covered include aromatic compounds, selected concerted reactions, aldehydes and ketones, carboxylic acid derivatives, amines, phenols, organosulfur compounds, and organophosphates. Next come lipids, terpenoid compounds, carbohydrates, amino acids and proteins, and nucleic acids. Laboratory exercises include a variety of syntheses, reaction studies, and structural identifications using spectroscopic methods.

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## Computer Information Systems (CIS)

**Note Changes: Corequisite deleted, Description****CIS-135 Introduction to Computers**

4 Units: 54 hours of lecture, 54 hours of laboratory, per term, SC, DG, CSU, UC

This course will familiarize the business person, first-time computer user, and transfer student with the skills needed to successfully operate a personal computer using commercially available software. Computer history, hardware, software and social issues are discussed, and students will be able to demonstrate computer literacy upon successful completion of this course. Students are introduced to general Windows operations, the Internet/Web, Microsoft Word, Microsoft Excel, Microsoft Access and BASIC programming.

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## Dramatic Arts (DRAMA)

**Note Changes: Prerequisite added****DRAMA-123 Acting II**

3 Units: 54 hours of lecture, per term, SC, DG, CSU, UC

*Prerequisite: DRAMA-122*

This course follows Acting I and continues the exploration of theories and techniques used in preparation for the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, and scenes.

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## English (ENGL)

**Note Changes: Prerequisites deleted****ENGL-142B Writing: Expository - B**

4 Units: 72 hours of composition, per term, SC, ND

This course includes reading classic and contemporary essays of varied cultural perspectives, examining writers' techniques, writing compositions that apply expository techniques, reviewing grammar, and learning argumentation. It is designed to prepare students for entrance into ENGL-001A.

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## English as a Second Language (ESL)

**Note Changes: Advisory changed to Prerequisite****ESL-189 Writing III**

5 Units: 90 hours of lecture per term, SC, DG

*Prerequisite: Successful completion with C or better of ESL-186 or appropriate score on ESL Placement Test.*

This course provides instruction in paragraph writing and short compositions for high-intermediate level ESL students.

**Note Changes: Advisory changed to Prerequisite****ESL-192 Introduction to Essay Writing for ESL Students**

5 Units: 90 hours of composition per term, SC, DG, CSU, UC

*Prerequisite: Successful completion with C or better of ESL-189 or appropriate score on ESL Placement Test.*

This course provides instruction in essay writing for advanced ESL students.

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## Geography (GEOG)

**Note Changes: Hours**

GEOG-120L Physical Geography Laboratory

1 Unit: 54 hours of laboratory, per term, LR, DG, CSU, UC (C-ID: GEOG 111)

*Corequisite: Concurrent enrollment in or prior completion of GEOG-120*

This course is a complement to GEOG-120. It will explore in the laboratory environment what GEOG-120 covers in the lecture format.

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## Mathematics (MATH)

**Note Changes: Title, Units, Hours, Description****MATH-115 Basic Arithmetic and Pre-Algebra**

4 Units: 54 hours of lecture, 54 hours of lab, per term, SC, ND

This course teaches basic skills with natural numbers, signed numbers, signed fractions, and signed decimal fractions. The course also presents percentages, metric system, powers and roots, measurement of plane and solid figures, and the solution of linear equations of the first degree. The student will also be introduced to ratios, proportions, and the Rectangular Coordinate System. Polynomial arithmetic (excluding division) is also covered. Students will also learn success skills during the course. Not open to students who have completed MATH-118.

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## Media (MEDIA)

**Note Changes: Hours, Description****MEDIA-152 Introduction to Digital Film Production**

3 Units: 36 hours of lecture, 54 hours of lab, per term, SC, DG, CSU

This course introduces students to the digital film production process. Students will acquire filmmaking preproduction planning and scheduling skills. Students will learn how to operate film equipment used in production and will learn post-production workflow techniques to complete film projects.

**Note Changes: Hours, Description****MEDIA-153 Intermediate Digital Film Production**

3 units: 36 hours of lecture, 54 hours of lab, per term, SC, DG, CSU

*Prerequisite:* MEDIA-152

This course, a continuation of MEDIA-152, provides students with advanced training in digital film production techniques. Students will produce and direct a short narrative film. They will learn intermediate skills required to operate film production equipment and of mastering post-production digital editing techniques.

## Medical Assisting and Office Technician (MEDIC)

**Note Changes: Description****MEDIC-150 Medical Terminology I**

3 Units: 54 hours of lecture, per term, LR, DG, CSU

This course introduces the basic structure of medical words, including prefixes, suffixes, roots, combining forms, and plurals; pronunciation, spelling and definitions of medical terms; and emphasizes building a professional vocabulary required for working in the field.

## Nursing (NURS)

**Note Changes: Grading Method, Degree Applicability, Prerequisite, Advisory, Description****NURS-199 Home Health Aide**

2 Units: 27 hours of lecture, 27 hours of laboratory, per term, LG, DG

*Prerequisite:* NURS-198 or current certification by the State of California as a Certified Nurse Assistant and Current American Heart Association BLS certification for the Healthcare Provider.

*Advisory:* In order to obtain certification as a home health aide in California, students must have current certification by the State of California as a Certified Nurse Assistant.

This course is designed to train the individual to function as a Home Health Aide (HHA). Students will be part of a health team under the supervision of a Registered Nurse or a Licensed Vocational Nurse in a health care agency. The program meets standards according to federal and state regulations. Students interested in this course must obtain the CNA Application packet from the nursing department office (HS 103) well in advance in order to complete all the necessary forms. The CNA application packet must be completed and submitted to the nursing office prior to or by the first day of class.

**Note Changes: Prerequisites deleted****NURS-210 Fundamentals of Nursing**

12 Units: 108 hours of lecture, 324 hours of laboratory, per term, LR, DG, CSU

*Prerequisite:* Admission to the nursing program

*Corequisite:* NURS-211

This course includes an introduction to health promotion, clinical drug therapy and culture. Emphasis is placed upon the use of the nursing process to identify and meet the normal physical and emotional needs of adults. This course provides an opportunity for the student to practice skills basic to the nursing process. Supervised clinical experience with hospitalized adults will be included.

**Note Changes: Prerequisites deleted****NURS-211 Developing Competency in Nursing Practice (A)**

.6 Unit: 32.4 hours of laboratory, per term, P/NP, DG, CSU

*Prerequisite:* Admission to the nursing program

*Corequisite:* NURS-210 (or equivalent)

This course is an adjunct to NURS-210. It provides instruction related to specific fundamental nursing skills, as well as an opportunity for individual and small group practice of those skills in the nursing skills laboratory.

**Note Changes: Prerequisites added, Description****NURS-230 Nursing Care of Women and Newborns**

5.5 Units: 45 hours of lecture, 162 hours of laboratory, per term, LR, DG

*Prerequisite:* NURS-205, NURS-210 (or equivalent), NURS-211 (or equivalent), NURS-212; and admission to the nursing program.

*Corequisite:* NURS-231

*Advisory:* This course is for a special category of student, for example: a foreign trained nurse who is required by the Board of Registered Nursing to take maternity nursing, or a transfer student.

*Prerequisite for foreign trained nurses:* NURS 205, NURS 212, and admission to the nursing program.

This course provides entry level knowledge to perinatal and perinatal nursing. The course encompasses the entire childbearing process from preconception planning through pregnancy, birth and the post-partum period. Content progresses from normal to at-risk information and cultural aspects within each phase; pregnancy, labor and birth, care of the newborn, and the post-partum period. Theory is concurrent with clinical experience.

**Note Changes: Prerequisites added****NURS-231 Competency in Nursing Practice (A)**

.5 Unit: 27 hours of laboratory, per term, P/NP, DG

*Prerequisite:* NURS-205, NURS-210 (or equivalent), NURS-211 (or equivalent), NURS-212; and admission to the nursing program.

*Corequisite:* NURS-230

This course is an adjunct to NURS-230. It provides instruction about specific obstetric nursing skills as well as an opportunity for individual practice of those skills in the nursing skills laboratory.

**Note Changes: Prerequisites added****NURS-236 Developing Competency in Nursing Practice****1 Unit: 54 hours of laboratory, per term, P/NP, DG, CSU***Prerequisite:* NURS-205, NURS-210, NURS-211, NURS-212, and PSYCH-126 or PSYCH-128; and admission to the nursing program.*Corequisite:* NURS-235

This course is an adjunct to NURS-235. It provides instruction related to specific maternity and pediatric nursing skills, as well as an opportunity for individual and small group practice of those skills in the nursing skills laboratory.

**Note Changes: Prerequisite deleted, Advisory updated, Prerequisite for foreign trained nurses added****NURS-240 Nursing Care of Children****5.5 Units: 45 hours of lecture, 162 hours of laboratory, per term, LR, DG***Prerequisite:* NURS-205, NURS-210 (or equivalent), NURS-211 (or equivalent), NURS-212, and PSYCH-126 or PSYCH-128; admission to the nursing program.*Corequisite:* NURS-241*Advisory:* This course is for a special category of student, for example: a transfer student, or a foreign trained nurse who is required by the BRN to take pediatric nursing.*Prerequisite for foreign trained nurses:* NURS 205, NURS 212, admission to the nursing program.

This course places emphasis on the nurse's role in helping families to be healthy. Content includes growth and development levels, teaching, communication, as well as common health problems seen in children. Cultural variation is integrated throughout. This course provides an opportunity for the student to develop clinical skills related to hospitalized children and experience pediatric settings with a focus on teaching and health promotion within the family.

**Note Changes: Prerequisites added, Prerequisite for foreign trained nurses added****NURS-241 Competency in Nursing Practice (B)****.5 Unit: 27 hours of laboratory, per term, P/NP, DG***Prerequisite:* NURS-205, NURS-210 (or equivalent), NURS-211 (or equivalent), NURS-212, and PSYCH-126 or PSYCH-128; and admission to the nursing program.*Corequisite:* NURS-240*Prerequisite for foreign trained nurses:* NURS 205, NURS 212, admission to the nursing program.

This course is an adjunct to NURS-240. It provides instruction related to specific pediatric nursing skills as well as an opportunity for individual and small group practice of those skills in the laboratory.

**Note Changes: Prerequisites added, Prerequisite for foreign trained nurses added****NURS-250 Intermediate Medical Surgical Nursing****5.5 Units: 45 hours of lecture, 162 hours of laboratory, per term, LR, DG***Prerequisite:* NURS-205, NURS-210 (or equivalent), NURS-211 (or equivalent), NURS-212; and admission to the nursing program*Corequisite:* NURS-251*Prerequisite for foreign trained nurses:* NURS 205, NURS 212, admission to the nursing program.

Emphasis is placed upon pathophysiology, selected medical-surgical problems, pharmacology and related nursing skills. This course provides an opportunity for students to further develop clinical skills with a focus on patient/family teaching and communication. Supervised clinical experience in medical-surgical settings will be included.

**Note Changes: Prerequisites added****NURS-251 Competency in Nursing Practice (C)****.5 Unit: 27 hours of laboratory, per term, P/NP, DG***Prerequisite:* NURS-205, NURS-210 (or equivalent), NURS-211 (or equivalent), NURS-212; and admission to the nursing program.*Corequisite:* NURS-250

This course is an adjunct to NURS-250. It provides instruction in specific intermediate medical-surgical nursing skills, as well as an opportunity for individual and small group practice at those skills in the laboratory.

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## Philosophy (PHILO)

**Note Changes: Title, Advisory added, Description****PHILO-130 Logic & Critical Thinking****3 Units: 54 hours of lecture, per term, SC, DG, CSU, UC***Advisory:* ENGL-142B

This course introduces students to the fundamentals of Logic so as to enhance critical thinking. Special emphasis is given to analyzing different types of arguments and logical fallacies from a variety of contexts, including news and social media. Applications will also be made to individual decision-making and societal issues involving race, gender, and environmental sustainability.

**Note Changes: Advisory added, Description****PHILO-220 Comparative Religion****3 Units: 54 hours of lecture, per term, SC, DG, CSU, UC***Advisory:* ENGL-142B

This course introduces students to the major issues in philosophy of religion, including the origin of religion, the existence of God, the problem of evil, and the variety of world religions. Students examine these issues from a wide range of perspectives, drawing upon philosophers, theologians, and other thinkers from diverse cultures and eras.

## DEACTIVATED COURSES

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### Business (BUS)

#### **BUS-095A-D Computer Laboratory: Special Projects**

**.2 Units: 10.8 hours of laboratory, per term, P/NP, ND**

**Corequisite:** BUS-181, 182, 186, 187, or 188.

This course is designed to allow students access to software packages which supplement the text books in their business and related courses.

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### Computer Information Systems (CIS)

#### **CIS-095A-D Computer Laboratory**

**.2 Units: 10.8 hours of laboratory by arrangement, per term, P/NP, ND**

This course is designed to allow students access to CIS computer systems other than their regularly scheduled class hours.

Students may utilize the computer systems for skill building or completing assignments. This class is designed for extra lab usage, not as any instructional class.

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### English (ENGL)

#### **ENGL-110A Developing College Level \ Reading Proficiency - A**

**3 Units: 54 hours of lecture, per term, SC, ND**

This course prepares students for college level work by developing skills in reading with an emphasis on comprehension, vocabulary development, study skills, and critical thinking.

#### **ENGL-142A Writing: Expository - A**

**3 Units: 54 hours of composition, per term, P/NP, ND**

**Advisory:** ENGL-110A

This course develops basic skills in reading, writing, and critical thinking, with emphasis on paragraphing and writing short essays.

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### Humanities (HUMAN)

#### **HUMAN-160 Mystery of Humanity: Birth, Sex, and Death**

**3 Units: 54 hours of lecture, per term, SC, DG, CSU, UC**

This course examines the uniqueness of humans, drawing from multiple disciplines and focusing on five life events and questions: birth, death, gender and sex, marriage, and the question of how to live a good life. It will look at cultural impact and possible universal human qualities.

### Nursing (NURS)

#### **NURS-100 Topics in Nursing**

**.5-4 Units: 9-72 hours of lecture and/or 27-216 hours of laboratory, per term, SC, DG**

This course covers topics in nursing. Topics will be chosen to supplement and serve as additions to current offerings in the area, and will be announced each term in the current schedule of classes.

#### **NURS-298 Independent Study**

**.2-4 Units: 3.6-72 hours of independent study, per term, SC, DG, CSU**

**Prerequisite:** Educational contract of study signed by an instructor, department chair and vice president. Topics must extend beyond regular course offerings.

This course is designed for selected students to pursue independent study in nursing under the direction of an instructor.

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### Physical Education (PE)

#### **PE-129 Lifeguard Training**

**2 Units: 27 hours of lecture, 27 hours of lab, per term, LR, DG, CSU, UC**

This course is designed to teach lifeguard candidates the knowledge and skills needed to prevent and respond to aquatic emergencies. The course content and activities prepare candidates to recognize and respond quickly and effectively to emergencies and prevent drownings and injuries. Petition to repeat for certification purposes.

#### **PE-137 Advanced Passing and Defensive Secondary Techniques**

**1 Unit: 54 hours of lab, per term, LR, DG, CSU**

This course is designed to present each student with basic passing, receiving, offensive backfield play, defensive backfield play and linebacker play. May be repeated three times.

#### **PE-174A Beginning Volleyball Skills & Conditioning**

**.5-2 Units: 27-108 hours of lab, per term, LR, DG, CSU, UC**

This course is designed to give students the opportunity to develop beginning individual and team skills of offensive and defensive volleyball. Emphasis is placed on mental, physical, tactical and technical aspects of the game to increase each individual's level of competitiveness in match play. Conditioning drills using plyometrics, agility, and strength will enhance student performance.

#### **PE-203 Advanced Volleyball Skills and Conditioning**

**.5-2 Units: 27-108 hours of lab, per term, LR, DG, CSU, UC**

This course is designed to give students the opportunity to develop advanced individual and team skills of offensive and defensive volleyball. Emphasis is placed on mental, tactical aspects of the game to increase each individual's level of competitiveness in match play. Conditioning drills using plyometric, agility, and strength will enhance student performance.



**PE-208 Football Fundamentals and Conditioning**

.5-2 Units: 27-108 hours of lab, per term, LR, DG, CSU, UC

This course is designed to present to each student basic defensive and offensive fundamentals and the basic principles of conditioning. May be repeated three times.

**PE-211 Baseball Fundamentals and Conditioning**

.5-2 Units: 27-108 hours of lab, per term, LR, DG, CSU, UC

This course includes individual and team skills of offensive and defensive baseball. The student will learn and understand the fundamentals of baseball. May be repeated three times.

**PE-214 Advanced Baseball Skills**

.5-2 Units: 27-108 hours of lab, per term, SC, DG, CSU, UC

This course presents defensive cutoff and relays, pick-off plays, pitching philosophies, biomechanics of pitching, situational pitching, hitting philosophy, situational hitting, psychological skill training, offensive and defensive strategies, base stealing techniques, fielding techniques and a variety of other skills.

**PE-215 Basketball Fundamentals and Conditioning**

.5-2 Units: 27-108 hours of lab, per term, LR, DG, CSU, UC

This course is designed to allow students to learn individual and team skills of offensive and defensive basketball. This course will present beginning fundamentals and skills in basketball. Students will participate in drills to increase cardiovascular conditioning, flexibility, endurance, skill development, and strength.

**PE-260A Beginning Soccer Fundamentals & Conditioning**

.5-2 Units: 27-108 hours of lab, per term, LR, DG, CSU, UC

This course will focus on the beginning fundamentals and conditioning of soccer.

**PE-272 Theory of Soccer**

2 Units: 36 hours of lecture, per term, LR, DG, CSU, UC

This course is designed to introduce the student to the history, strategy and tactics of soccer. The course will include a section on the laws of the game, a historical overview of the game from its inception, a basic study of offensive and defensive strategies and finally a study of game specific tactics.

**PE-282 Theory of Basketball**

2 Units: 36 hours of lecture, per term, LR, DG, CSU

This course is designed to give the students an understanding of methods and techniques of instruction, skill analysis, practice progressions, and theory of all facets of basketball. This course will also include film sessions, COA and NCAA eligibility rules, learning skills, and mental preparation. Life skill development will be discussed.

**PE-290A Sport Specific Training I**

.5-3 Units: 27-162 hours of lab, per term, LR, DG, CSU, UC

This course is designed to teach sport specific training to competitive athletes. The students will develop sports specific strength, endurance, strategies, tactics, and team work skills necessary to perform at an intercollegiate level.

**PE-290B Sport Specific Training II**

.5-3 Units: 27-162 hours of lab, per term, LR, DG, CSU, UC

*Prerequisite:* PE-290A

This course is designed to teach sport specific training to competitive athletes. The students will develop sports specific strength, endurance, strategies, tactics, and team work skills necessary to perform at an intercollegiate level.

**PE-290C Sport Specific Training III**

.5-3 Units: 27-162 hours of lab, per term, LR, DG, CSU, UC

*Prerequisite:* PE-290B

This course is designed to teach sport specific training to competitive athletes. The students will develop sports specific strength, endurance, strategies, tactics, and team work skills necessary to perform at an intercollegiate level. Not repeatable.

**PE-290D Sport Specific Training IV**

.5-3 Units: 27-162 hours of lab, per term, LR, DG, CSU, UC

*Prerequisite:* PE-290C

This course is designed to teach sport specific training to competitive athletes. The students will develop sports specific strength, endurance, strategies, tactics, and team work skills necessary to perform at an intercollegiate level.

**PE-378A Beginning Soccer Group and Team Tactics**

.5-2 Units: 27-108 hours of lab, per term, LR, DG, CSU, UC

This course is designed for students to develop their understanding of beginning small group tactics and the relationship with the overall team tactics. Students will be introduced to systems of play and the effect of group and team tactics in relation to different systems.

**PE-378B Intermediate Soccer Group and Team Tactics**

.5-2 Units: 27-108 hours of lab, per term, LR, DG, CSU, UC

*Prerequisite:* PE-378A

This course is designed for students to develop their tactical skills as goalkeepers, defenders, midfielders and forwards in match conditions. Tactical understanding in the defensive, midfield and attacking third of the field will be introduced to students through small group activities.

**PE-379 Advanced Soccer Skills and Conditioning**

.5-2 Units: 27-108 hours of lab, per term, LR, DG, CSU, UC

This course is designed for advanced soccer players to prepare to play on the intercollegiate team in the season of play. Emphasis is placed on mental, physical, tactical and technical aspects of the game to increase each individual's level of competitiveness in match play. May be repeated three times.

## NEW DEGREES & CERTIFICATES

### Administration of Justice

(Effective, Summer/Fall 2017)

#### Certificate of Achievement

#### Pre Law Studies..... 23 units

This program is recognized as part of the California State Bar and California Community College State Chancellor's office initiative "Pathway to Law School." Typically, students transfer to a four-year University where they earn a bachelor degree before they apply to law school. Career paths and opportunities for lawyers are endless. A law degree can be used in traditional legal employment, non-traditional legal employment and non-legal employment. A certificate of achievement may be earned by completing all courses required for this program with a grade of C or better.

#### Required Courses (14 units):

3 units	ADJUS-135	Law and Democracy
4 units	ENGL-001A	Composition and Reading
3 units	SPCH-141	Argumentation & Debate
4 units	MATH-164	Introduction to Probability and Statistics

#### Plus, one of the following (3 units):

3 units	PHILO-130	Logic & Critical Thinking
3 units	SPCH-121	Critical Thinking and Persuasion
3 units	SPCH-121I	Critical Thinking and Persuasion (IGETC)
3 units	ENGL-001C	Critical Thinking and Advanced Composition

#### Plus, one of the following (3 units):

3 units	POLSC-125	Government of the United States
3 units	LARAZ-113	Introduction to the Analysis of American Political Institutions

#### Plus, one of the following (3 units):

3 units	HIST-121	History of the United States (1865-present)
3 units	HIST-123	History of African Americans in the United States (1865-present)
3 units	HIST-127	History of Latinos in the United States (1846-present)

## REVISED DEGREES & CERTIFICATES

### Automotive Services

**Note Changes: Units, Description, Course Requirements**

#### Certificate of Achievement

#### Chassis Level I Technician ..... 17 units

The Chassis Level I Technician program provides students with basic training in automotive brakes, suspension and steering systems. Program graduates are prepared for apprentice level positions in the automotive industry with an emphasis in tire, wheel alignment and brake positions. A certificate of achievement may be earned by completing all of the courses required for this certificate with a grade of C or better.

#### Courses required for the certificate:

3 units	AUSER-097	Automotive Service Advising
4 units	AUSER-101	Automotive Fundamentals
5 units	AUSER-111	Automotive Brakes
5 units	AUSER-113	Automotive Steering and Suspension

**Note Changes: Units, Course Requirements**

#### Certificate of Achievement

#### Powertrains Level I Technician ..... 16 Units

The Powertrain Level I Technician program provides students with basic service and repair training in automotive engine and transmission systems. Program graduates are prepared for apprentice level positions in the industry. A certificate of achievement may be earned by completing all of the courses required for this certificate with a grade of C or better.

#### Courses required for the certificate:

3 units	AUSER-097	Automotive Service Advising
4 units	AUSER-101	Automotive Fundamentals
5 units	AUSER-115	Engine Service and Repair
4 units	AUSER-117	Automotive Drive Trains

## English

(Effective Summer/Fall 2017)

**Note Changes: Units, Course Requirements**

### Associate in Arts Transfer Degree

**English..... 19 Units**

The Associate in Arts in English for Transfer (AA-T) degree will help individuals achieve their academic and career goals through developing strong writing and revising skills, research skills, critical reading skills, discussion skills, and the overall ability to organize and present ideas. The AA-T degree in English will provide courses for students so that they may succeed at college level writing by composing effective paragraphs and essays, fulfill the writing requirements for a two-year degree program and prepare students for success into a baccalaureate degree in English with lower-division coursework required to transfer into the California State University (CSU) system.

#### Required core courses (4 units):

4 units ENGL-002B Critical Thinking Through Literature

#### Plus 6 units from List A:

3 units ENGL-210B British Literature: Late 18th Century to Present

3 units ENGL-220B American Literature: 1850 to Present

3 units ENGL-230B World Literature: 1650 to Present

#### Plus 6 units from List B:

3 units ENGL-163 Film as Literature

3 units ENGL-250 Introduction to Shakespeare

3 units ENGL-274 Women in Literature

3 units ENGL-293H Creative Writing

or any course from List A not already used

#### Plus 3 units from List C:

3 units ENGL-200A Topics in Literature

3 units JRNAL-120 Newswriting and Reporting

3 units SPCH-142 Performance of Literature

3 units DRAMA-101 Introduction to Theatre

or any course from List A or List B not already used

## NEW NONCREDIT GRADING SCHEME

### Pass/No Pass/Satisfactory Progress (P/NP/SP)

The new grading scheme (P/NP/SP) will apply to all noncredit courses, effective Spring 2018.

## CATALOG CORRECTIONS

### Liberal Arts

(Effective Summer/Fall 2017)

**Note Correction: Units**

#### Certificate of Achievement

**Liberal Arts: Science, Technology, Engineering and Mathematics (STEM)..... 18 units**

Select a minimum of 18 units from the following courses. For depth, include a minimum of two courses from a single discipline; for breadth, include at least two disciplines in your selection. Courses can also be counted toward completion of General Education (including CSU GE and IGETC) requirements.

These courses emphasize the natural sciences which examine the physical universe, its life forms and its natural phenomena. Courses in Math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also examine the influence that the acquisition of scientific knowledge has on the development of the world's civilizations. The science, technology, engineering and mathematics (STEM) certificate is an acknowledgement of the understanding of this area of human understanding without the additional general education requirements for the associate degree.

### Mathematics

(Effective Summer/Fall 2017)

**Note Correction: Clarification of List A and/or B requirements**

#### Associate in Science for Transfer Degree

**Mathematics.....21-22 Units**

The Associate in Science in Mathematics for Transfer (AA-T) degree program is designed as a roadmap for course selection and as the primary pathway for transfer students intending to earn a California State University (CSU) bachelor's degree in mathematics. Particularly, this degree is intended to assist students in seamlessly transferring to a CSU. Mathematicians work in a variety of fields including actuarial science, analytical research, computer programming and mathematical modeling, cryptography, and education. A strong mathematics background is also required for careers in engineering and the physical sciences, social science, and computer science.

#### Required core courses (14 units):

5 units MATH-190 Analytic Geometry with Calculus I

4 units MATH-191 Analytic Geometry with Calculus II

5 units MATH-290 Analytic Geometry with Calculus III

**Plus a minimum of 7 units from Lists A and/or B with at least 4 units from List A:**

#### List A:

4 units MATH-292 Introduction to Differential Equations

4 units MATH-200 Introduction to Linear Algebra

#### List B:

3 units MATH-185 Discrete Mathematics