

CUYAMACA COLLEGE

2016-2017 CATALOG - ADDENDUM -



YOUR PATH
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C U Y A M A C A
• C O L L E G E •

Addendum to the 2016-2017 Catalog

Corrections and Additions occurring after publication
of the Catalog (August 1, 2016)

April 13, 2017

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Comments:

Revised Administrators*# Δ^

CUYAMACA COLLEGE ADMINISTRATION

| | |
|------------------------|---|
| Julianna Barnes, Ed.D. | President |
| Sahar Abushaban | Vice President, Administrative Services |
| Patrick Setzer^ | Vice President, Instruction |
| Aiden Ely | Interim Vice President, Student Services |
| Brianna Hays# | Senior Dean, Institutional Effectiveness, Success & Equity |
| Nicole JonesΔ | Dean, Counseling Services |
| Kerry Kilber Rebman | Dean, Learning & Technology Resources |
| Larry McLemoreΔ | Dean, Career & Technical Education (Automotive Technology, Business and Professional Studies, Child Development, CADD Technology & Surveying, CIS & Graphic Design, Environmental Health & Safety Management, Ornamental Horticulture, Water and Wastewater Technology) |
| Pamela Kersey, Ed.D.Δ | Dean, Math, Science & Engineering (Exercise Science/Health Education, Mathematical Sciences, Science/Engineering) |
| Alicia Muñoz^ | Interim Dean, Arts, Humanities & Social Sciences (Art, American Sign Language, Communication, English, English as a Second Language, History, Social and Behavioral Sciences, Humanities, Philosophy and Religious Studies, Performing Arts, World Languages) |
| Lauren Vaknin, Ed.D. | Associate Dean, Student Affairs |
| Ryan Shumaker, Ed.D.Δ | Associate Dean, Athletics |
| Jesús Miranda# | Associate Dean, Student Equity & Engagement |
| Cecelia BlanksΔ | Acting Assistant Dean, EOPS |
| Sheryl Ashley | Interim Director, Admissions & Records |
| Bruce Farnham | Director, Campus Facilities, Operations & Maintenance |
| Ray Reyes | Director, Financial Aid |
| Michael Gilchrist | Manager, Campus Bookstore |

GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT ADMINISTRATION

| | |
|-----------------------|--|
| Cindy L. Miles, Ph.D. | Chancellor |
| Sue Rearic | Vice Chancellor, Business Services |
| Tim Corcoran | Vice Chancellor, Human Resources |
| John Valencia^ | Vice Chancellor, Workforce & Organizational Development |
| Doug Jenson | Associate Vice Chancellor, Business Services |
| Christopher Tarman^ | Associate Vice Chancellor, Research, Planning & Technology |
| Linda Bertolucci | Sr. Director, Purchasing, Contracts & Ancillary Services |
| Jennifer Fujimoto^ | Sr. Director, Fiscal Services |
| Ken Emmons^ | Sr. Director, Districtwide Facilities |
| Anne Krueger | Director, Communications & Public Information |
| Nicole Conklin | Director, Campus and Parking Services |
| Jerry Williamson | Director, Computer Services |
| Jamail Carter, Ph.D. | Interim Director, Human Resources |
| Janet Snelling | Director, Human Resources |
| Kim Widdes | Director, Human Resources |
| Steve Abat | Director, Technical Services |
| Erik Munzenmaier | GCCCD Sheriff's Team Sergeant |

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Comments:

Revised College Vision, Mission, and Values.Δ

COLLEGE VISION, MISSION, AND VALUES

Vision: Learning for the Future

Mission: The mission of Cuyamaca College is to serve a diverse community of students who seek to benefit from the college's wide range of educational programs and services.

In order to fulfill its commitment to student learning, success & equity, the college provides:

- Instructional programs that meet student needs for transfer education, career technical education, general education and basic skills courses
- Programs that promote economic, civic and cultural development

To facilitate this mission, Cuyamaca College provides a comprehensive range of support services including: outreach, access, student success and equity initiatives, academic and learning resources, student development programs, and multicultural and co-curricular activities.

In support of its mission, Cuyamaca College structures its planning processes and engages the college community by pursuing the following priorities, which form the foundation of the 2016-2022 Strategic Plan:

- Acceleration
- Guided Student Pathways
- Student Validation & Engagement
- Organizational Health

Values:

- **Equitable Access:** We value equitable access that facilitates participation in academic programs and support services needed to meet students' educational goals.
- **Individual Student Success:** We offer courses and programs leading to degrees, certificates, transfer, employment, personal enhancement, and lifelong learning.
- **Academic Excellence:** We employ a variety of methodologies and technologies responsive to students' needs and conducive to students' varied educational and experiential backgrounds and learning styles.
- **Innovation and Creativity:** We value innovation and creativity in order to encourage our students to question and to expand their thinking.
- **Diversity and Social Harmony:** We value and embrace diversity and create opportunities for our college community to work together to meet the challenges of a complex global society.

- **Environmental Stewardship and Sustainability:** We take pride in our campus and its resources, and we strive to be on the forefront of sustainability and green technology.
- **Strong Community Relations:** We recognize our role in the cultural, educational, technological, and economic/workforce development of the communities we serve.

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Comments:

Added Paralegal to General Education exceptions*

GENERAL EDUCATION

Students earning the Associate in Science or the Associate in Arts degree have three general education patterns from which to choose.

Plan A: Completion of Cuyamaca College General Education Requirements; see below.

Plan B: Completion of Intersegmental General Education Transfer Curriculum for California State University (IGETC-CSU) or for the University of California (IGETC-UC); see page 44.

Plan C: Completion of California State University General Education (CSU GE); see page 46.

Exceptions are University Studies degrees, which require completion of Plan B or C, General Studies degrees, which require completion of Plan A, Associate Degrees for Transfer (ADT), which have clearly defined general education requirements listed for each, and Paralegal, which have GE requirements clearly defined on page 84.* Students are encouraged to meet with a counselor for assistance in selecting the most appropriate general education pattern for their educational goal.

Page: 49

Comments:

Added C-ID NUMBERS:

C-ID numbers approved:

| <i>Cuyamaca Course</i> | <i>C-ID</i> |
|------------------------|-------------|
| PHYC 200..... | PHYS 210* |
| PHYC 210..... | PHYS 215* |

Page: 53**Comments:**

ARABIC STUDIES Associate in Arts Degree and Certificate of Achievement are pending ACCJC approval.#

ARABIC STUDIES **#(pending ACCJC approval)**

The Associate in Arts in Arabic Studies is designed to provide a greater understanding of Arabic language, history, culture and heritage, with particular emphasis on reading, writing and speaking the Arabic language. The Arabic Studies degree prepares students for career opportunities that require competency in the Arabic language. Through specific coursework for this degree, students will have a deeper appreciation and understanding of Arabic heritage and civilization.

Program Outcomes

Upon successful completion of this program, students will be able to:

- Communicate in the Arabic language at the intermediate level in a variety of settings.
- Acquire an understanding of Arabic civilization and heritage.
- Gain sensitivity, globalism and cultural competence.

Associate in Arts Degree Requirements:

| Course | Title | Units |
|-------------------------------------|--------------------------|-------|
| ARBC 120 | Arabic I | 5 |
| ARBC 121 | Arabic II | 5 |
| ARBC 145 | Arabic Civilizations | 3 |
| ARBC 220 | Arabic III | 5 |
| ARBC 221 | Arabic IV | 5 |
| ARBC 250 | Conversational Arabic I | 3 |
| ARBC 251 | Conversational Arabic II | 3 |
| Total Required | | 29 |
| Plus General Education Requirements | | |

Certificate of Achievement

Students who complete only the major requirements above qualify for a Certificate in Arabic Studies. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Page: 54**Comments:**

Added: (formerly ART-GRAPHIC DESIGN)*

III. ART AND DESIGN (formerly ART-GRAPHIC DESIGN)**Page: 56****Comments:**

(effective Spring 2017) Added AUTO 141 and 142*

Moved AUTO 127, 140 and 170*

Deleted AUTO 121*

AUTOMOTIVE TECHNOLOGY

The automotive technology curriculum provides for entry level skills in the automotive field. The program is designed to impart in-depth technical skills as required in today's highly technical automotive field. It prepares students for employment in the automotive and/or transportation trades. For those currently employed, upgrading and specialization skills will be stressed. The major emphasizes practical experience in actual repairs under simulated shop conditions. The program offers two introductory courses that are recommended for all students: AUTO 99 Introduction to Automotive Technology is a lecture class that can be taken face-to-face or fully online. AUTO 100 is a laboratory class that demonstrates how to perform basic services. Students must select one of these courses before taking AUTO 120.

I. AUTOMOTIVE TECHNOLOGY**Associate in Science Degree Requirements**

| Course | Title | Units |
|-----------|--|-------|
| AUTO 120 | Engine Performance I - Mechanical and Ignition Systems | 5 |
| AUTO 122 | Automotive Electrical Systems | 5 |
| AUTO 123 | Engine Performance II - Fuel Systems Emission Systems | 5 |
| AUTO 127* | Advanced Automotive Electrical Systems | 5 |
| AUTO 130 | Automotive Brakes and Brake License | 5 |
| AUTO 180 | Automotive Service Advisor | 1 |
| AUTO 182 | Automotive Work Experience | 3 |
| | | 29 |

Select two of the following:

| | | |
|-----------|--|------|
| AUTO 124 | Engine Performance III - Drivability | 5 |
| AUTO 129 | Introduction to Hybrid, Electric and Alternative Fueled Vehicles | 5 |
| AUTO 140* | Four-Wheel Alignment | 5 |
| AUTO 152 | Drive Train Systems | 4 |
| AUTO 160 | Air Conditioning and Heating Systems | 3 |
| | | 7-10 |

Select one of the following:

| | | |
|-------------------------------------|---|-------|
| AUTO 135 | Advanced Brakes | 5 |
| AUTO 141* | Emission Control License Fundamentals | |
| | Level I Inspector Training | 3 |
| AUTO 142* | Emission License Procedures Level II Inspector Training | 2 |
| AUTO 145 | Advanced Four-Wheel Alignment | 5 |
| AUTO 155 | Advanced Drive Train Systems | 4 |
| AUTO 165 | Advanced Air Conditioning and Heating Systems | 3 |
| AUTO 170* | Engine Overhaul | 5 |
| AUTO 175 | Advanced Engine Overhaul | 5 |
| AUTO 176 | Engine Machining | 5 |
| | | 2-5 |
| Total Required | | 38-44 |
| Plus General Education Requirements | | |

Certificate of Achievement

Students who complete only the major requirements above qualify for a Certificate in Automotive Technology. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

*Please read the course recommended preparation for AUTO 141 and 142. Most students should take both classes.

II. AUTOMOTIVE TECHNOLOGY-ADVANCED ENGINE PERFORMANCE AND EMISSIONS**Certificate Requirements:**

| Course | Title | Units |
|----------------|---|-------|
| AUTO 120 | Engine Performance I - Mechanical and Ignition Systems | 5 |
| AUTO 122 | Automotive Electrical Systems | 5 |
| AUTO 123 | Engine Performance II - Fuel Systems Emission Systems | 5 |
| AUTO 124 | Engine Performance III - Drivability | 5 |
| AUTO 141* | Emission Control License Fundamentals | |
| | Level I Inspector Training | 3 |
| AUTO 142* | Emission License Procedures Level II Inspector Training | 2 |
| Total Required | | 25 |

Certificate of Achievement

Students who complete the requirements above qualify for a Certificate in Automotive Technology-Advanced Engine Performance and Emissions. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

III. AUTOMOTIVE TECHNOLOGY-ASEP**Associate in Science Degree Requirements:**

| Course | Title | Units |
|-------------------------------------|---|-------|
| AUTO 141* | Emission Control License Fundamentals | |
| | Level I Inspector Training | 3 |
| AUTO 142* | Emission License Procedures Level II Inspector Training | 2 |
| AUTO 200 | ASEP-Orientation | 1 |
| AUTO 201 | ASEP-Electrical | 6 |
| AUTO 202 | ASEP-Brakes and Alignment | 7 |
| AUTO 203 | ASEP-Engine Repair | 4.5 |
| AUTO 204 | ASEP-Power Train | 7 |
| AUTO 205 | ASEP-Engine Performance and Air Conditioning | 7 |
| AUTO 206# | ASEP-Work Experience | 15 |
| Total Required | | 52.5 |
| Plus General Education Requirements | | |

#Must be taken five times for a total of 15 units.

IV. AUTOMOTIVE TECHNOLOGY-ASSET**Associate in Science Degree Requirements:**

| Course | Title | Units |
|-------------------------------------|---|-------|
| AUTO 141* | Emission Control License Fundamentals | |
| | Level I Inspector Training | 3 |
| AUTO 142* | Emission License Procedures Level II Inspector Training | 2 |
| AUTO 190 | ASSET-Orientation, PDI and Lubrication | 2 |
| AUTO 191 | ASSET-Brakes and Alignment | 7 |
| AUTO 192 | ASSET-Drive Train | 8 |
| AUTO 193 | ASSET-Engine Repair | 4.5 |
| AUTO 195 | ASSET-Electronic Engine Controls | 7 |
| AUTO 196 | ASSET-Electrical, Accessories and Air Conditioning | 5 |
| AUTO 197# | ASSET-Work Experience | 13 |
| Total Required | | 51.5 |
| Plus General Education Requirements | | |

#Must be taken five times for a total of 13 units.

Comments:

Biology for Transfer (AS-T) added to 2016-2017 Catalog^

BIOLOGY FOR TRANSFER (AS-T)^

The Associate in Science in Biology for Transfer presents the diverse, dynamic study of life through a required core of biology and supporting courses. This degree is specifically designed to prepare students for transfer to a California State University, where a baccalaureate degree may be earned in Biological Sciences or a closely related field.

The following is required for the AS-T in Biology for Transfer degree:

1. 60 semester or 90 quarter CSU-transferable units;
2. The Intersegmental General Education Transfer Curriculum (IGETC) for Science, Technology, Engineering and Mathematics (STEM) pattern for the CSU;*
3. Minimum of 18 semester or 27 quarter units in the major or area of emphasis;
4. Minimum grade point average (GPA) of 2.0;
5. Grade of "C" or better in all courses required for the major or area of emphasis.

Program Learning Outcomes

Upon completion of this certificate, students will be able to:

- Explain the basic structures and fundamental processes of life at the molecular, cellular, and organismal levels.
- Identify the evolutionary processes that lead to adaptation and biological diversity.
- Describe the relationship between life forms and their environment and ecosystems.
- Collect, organize, analyze, interpret and present quantitative and qualitative data and incorporate them into the broader context of biological knowledge.
- Effectively apply current technology and scientific methodologies for problem solving.
- Find, select and evaluate various types of scientific information including primary research articles, mass media sources and World Wide Web information.
- Communicate effectively in written and oral formats.

Associate in Science for Transfer Degree Requirements:

| Course | Title | Units |
|-------------------------|--|----------|
| Core Curriculum: | | |
| BIO 230 | Principles of Cellular, Molecular and Evolutionary Biology | 4 |
| BIO 240 | Principles of Ecology, Evolution and Organismal Biology | 5 |
| | | <u>9</u> |

List A:

| | | |
|----------|----------------------------------|---|
| CHEM 141 | General Chemistry I | 5 |
| CHEM 142 | General Chemistry II | 5 |
| MATH 180 | Analytic Geometry and Calculus I | 5 |
| PHYC 190 | Mechanics and Heat | 5 |
| PHYC 200 | Electricity and Magnetism | 5 |

List B:

| | | |
|----------|---|-----------|
| MATH 160 | Elementary Statistics | 4 |
| | Total Required | 38 |
| | Double-Counted Units | 10 |
| | General Education Requirements (IGETC-CSU for STEM)** | 31 |
| | Electives | 1 |
| | Total Degree Units | <u>60</u> |

**Completion of IGETC-CSU for STEM allows for completion of 6 units of non-STEM GE work after transfer. One Area 3 course (Fine Arts and Humanities) and one Area 4 course (Social and Behavioral Sciences) may be deferred until after transfer.

Page: 70**Comments:**

MECHATRONICS Certificate of Achievement is pending ACCJC approval.#

VII. MECHATRONICS **#(pending ACCJC approval)**

This certificate is designed for students interested in designing automatic electromechanical devices and systems. The curriculum is intended primarily for students interested in working in advanced manufacturing. It also provides the foundation for further studies in electrical and mechanical engineering.

Program Learning Outcomes

Upon successful completion of this certificate, students will be able to:

- Write computer programs in high-level languages such as C++ and, when appropriate, in assembly language to control the operation of a microcontroller. In particular, students will be able to apply the following microcontroller capabilities: memory-mapped I/O (input/output), analog-to-digital (A/D) conversion, and volatile and non-volatile memory.
- Design automatic devices and control systems which can respond to inputs from sensors with appropriate outputs in the form of motion, light, and sound.
- Design mechanical components and devices, and create prototype versions of them.
- Combine the above capabilities to design integrated electro-mechanical devices of arbitrary complexity.

Certificate Requirements:

| Course | Title | Units |
|-----------|---|--------------|
| ENGR 100 | Introduction to Engineering and Design | 4 |
| ENGR 125 | 3D Solid Modeling | 3 |
| or | | |
| ENGR 129 | Engineering Solid Modeling | 3 |
| ENGR 175 | Mechatronics: Introduction to Microcontrollers and Robotics | 3 |
| ENGR 176 | Mechatronics: Prototype Design | 3 |
| ENGR 182 | Work Experience in Engineering Technology | 1-3 |
| ET 110 | Introduction to Basic Electronics | 4 |
| | Total Required | <u>18-20</u> |

Certificate of Achievement

Students who complete the requirements above qualify for a Certificate in Mechatronics. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Page: 77**Comments:**

KUMEYAAY STUDIES Associate in Arts Degree and Certificate of Achievement are pending ACCJC approval.#

KUMEYAAY STUDIES

 #(pending ACCJC approval)

The Associate in Arts program in Kumeyaay Studies is designed to provide an understanding of Kumeyaay history, culture and heritage. It is a multi-disciplinary degree, drawing from the sciences, humanities, world languages and history departments. Through specific coursework that encompasses on-site learning experiences, students will learn about the Kumeyaay Nation of San Diego's East County region.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Communicate in the Kumeyaay language at a basic level in a variety of settings;
- Acquire an understanding of Kumeyaay heritage, history, society and traditions;
- Gain sensitivity, globalism and cultural competence of a unique group of people.

Associate in Arts Degree Requirements:

| Course | Title | Units |
|-----------|---------------------------------------|-----------|
| BIO 133 | Ethnoecology | 3 |
| or | | |
| BIO 134 | Ethnobotany | 3 |
| BIO 135 | Ethnobotany/Ethnoecology Lab | 1 |
| HIST 132 | Kumeyaay History I: Precontact - 1900 | 3 |
| HIST 133 | Kumeyaay History II: 1900 - Present | 3 |
| HUM 116 | Kumeyaay Arts and Culture | 3 |
| NAKY 120 | Kumeyaay I | 4 |
| NAKY 121 | Kumeyaay II | 4 |
| | | <u>21</u> |

List A, Select One:

| | |
|---|------------|
| Course not taken above (BIO 133 or BIO 134) | 3 |
| NAKY 220 Kumeyaay III | 4 |
| | <u>3-4</u> |
| Total Required | 24-25 |
| Plus General Education Requirements | |

Certificate of Achievement

Students who complete only the major requirements above qualify for a Certificate of Achievement in Kumeyaay Studies. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Page: 83**Comments:**

Text added to Paralegal Studies description: Please note: Paralegals may not provide legal services directly to the public, except as permitted by law. This program does not prepare students for law school or the practice of law.#

PARALEGAL STUDIES

The legal profession has evolved, like the medical profession, into a profession of specialties. Based on this development, lawyers need qualified assistants to better help them provide legal services to their clients. Paralegals are trained, professional technicians able to provide this needed legal assistance.

This degree program is specifically designed to prepare and provide students with the analytical skills and written abilities necessary to assist attorneys in the practice of law. The technical curriculum goals and objectives emphasize three primary areas:

1. Legal Research, Analysis and Writing
2. Ethics and the Mechanics of Law
3. Integration of Substantive and Procedural Law

The successful paralegal degree candidate will possess a broad educational background with an opportunity to gain specialized skills in specific areas of law. The large curriculum offering also allows practicing paralegals to attend college refresher or new skills development courses.

#Please note: Paralegals may not provide legal services directly to the public, except as permitted by law. This program does not prepare students for law school or the practice of law.

Comments:

Public Health Science for Transfer (AS-T) added to 2016-2017 Catalog^

PUBLIC HEALTH SCIENCE FOR TRANSFER (AS-T)^

The Associate in Science in Public Health Science for Transfer provides a broad exposure to the field of public health and related disciplines. Upon completion of this degree, students will be able to recognize effective strategies aimed at reducing threats to the health of our communities and the public at large. The program lays the foundation for student preparation in development, implementation, and evaluation of public health services in various settings and with diverse populations.

The following is required for the AS-T in Public Health Science for Transfer degree:

1. 60 semester or 90 quarter CSU-transferable units;
2. California State University General Education Breadth pattern (CSU GE Breadth); or the Intersegmental General Education Transfer Curriculum (IGETC) pattern for the CSU;
3. Minimum of 18 semester or 27 quarter units in the major or area of emphasis;
4. Minimum grade point average (GPA) of 2.0;
5. Grade of "C" or better in all courses required for the major or area of emphasis.

Program Learning Outcomes

Upon completion of this certificate, students will be able to:

- Outline strategies for prevention, detection and control of infectious and chronic disease.
- Describe the organization, financing and delivery of various medical and population-based services in the United States health care system.
- Explain the role of Public Health in addressing the following issues: disparities among different populations, aging, injuries, obesity, control of emerging diseases and epidemics, and emergency preparedness.
- Analyze reliable public data sources to find statistical and epidemiologic data on incidence, prevalence, and trends in drug, tobacco and alcohol use.
- Review recent public health literature detailing ways that race, socioeconomic status and gender become embodied in disparate health outcomes.
- Analyze the contribution of environmental conditions to disparate health outcomes, using case studies.

Career Opportunities

Career opportunities in Public Health are varied, but consist primarily of *administration,*teaching, *research, *program planning, *health promotion, outreach, and administrative assistance duties in the following contexts:

Government agencies
Private Volunteer agencies
Hospitals
Clinics
International Relief programs
Environmental Health programs
Occupational Health programs

*Bachelor degree or higher recommended

Associate in Science for Transfer Degree Requirements:
Core Curriculum Requirements: (33 units):

| Course | Title | Units |
|----------|--------------------------------|----------|
| BIO 130 | General Biology I | 3 |
| BIO 131 | General Biology I Lab | 1 |
| BIO 140 | Human Anatomy | 5 |
| BIO 141 | Human Physiology | 3 |
| BIO 141L | Lab in Human Physiology | 1 |
| CHEM 115 | Fundamentals of Chemistry | 4 |
| HED 120 | Personal Health and Lifestyles | 3 |
| HED 201 | Introduction to Public Health | 3 |
| MATH 160 | Elementary Statistics | 4 |
| PSY 120 | Introductory Psychology | 3 |
| | | <hr/> 30 |

List A: Select one course from the following: (3 units):

| | | |
|----------|--------------------------------------|----------|
| ECON 120 | Principles of Macroeconomics | 3 |
| ECON 121 | Principles of Microeconomics | 3 |
| HED 202 | Health Professions and Organizations | 3 |
| HED 203 | Substance Abuse and Public Health | 3 |
| HED 204 | Health and Social Justice | 3 |
| PSY 134 | Human Sexuality | 3 |
| SOC 120 | Introductory Sociology | 3 |
| | | <hr/> 33 |

Pages: 96-135

Comments:

New courses approved as UC Transferable:

| | | |
|--|---|---|
| ARBC 122 | Arabic for the Native Speaker I | 5 |
| ARBC 123 | Arabic for the Native Speaker II | 5 |
| ART 241 | Illustration I | 3 |
| ART 242 | Illustration II | 3 |
| BIO 135 | Ethnobotany/Ethnoecology Lab | 1 |
| BIO 152 | Paramedical Microbiology | 5 |
| †CADD 126 | Electronic Drafting | 3 |
| †CADD 127 | Survey Drafting Technology | 3 |
| †CADD 128 | Dimensioning and Tolerancing | 3 |
| †CADD 131 | Architectural Computer-Aided Drafting and Design | 3 |
| †CADD 132 | Advanced Computer-Aided Drafting and Design in 3D Modeling | 3 |
| †CADD 133 | Advanced Architectural Computer-Aided Drafting and Design | 3 |
| †Any or all of these courses and ENGR 119, 129, OH 200, 201 combined: maximum credit, one course | | |
| CD 145 | Child Abuse and Family Violence in our Society | 3 |
| ENGR 175Δ | Mechatronics: Introduction to Microcontrollers and Robotics | 3 |
| OH 121 | Plant Propagation | 3 |
| OH 175 | Advanced Landscape Design | 3 |
| OH 180 | Plant Materials: Annuals and Perennials | 3 |
| ††OH 200 | Introduction to Computer-Aided Landscape Design | 3 |
| Same as: CADD 200 | | |
| ††OH 201 | Advanced Computer-Aided Landscape Design | 3 |
| Same as: CADD 201 | | |
| ††200,201, all CADD courses and ENGR 119, 129 combined: maximum credit, one course | | |
| OH 260 | Arboriculture | 3 |

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Comments:

Added ARBC 122 and 123*

ARABIC 122 - ARABIC FOR THE NATIVE SPEAKER I* 5 UNITS

5 hours lecture

Fundamentals of spoken and written Arabic for the bilingual speaker. This course is designed to help Arabic-speaking students further improve their oral and written communication skills. Emphasis on writing, reading comprehension, and vocabulary building at the intermediate level in a cultural context. Exposure to the diversity within the cultures of the Arabic-speaking world. This course is designed to provide the bilingual speaker with the linguistic and learning skills required for successfully completing upper division courses in Arabic. The course will be taught in Arabic.

CSU, UC

ARABIC 123 - ARABIC FOR THE NATIVE SPEAKER II* 5 UNITS

Prerequisite: "C" grade or higher or "Pass" in ARBC 122 or equivalent

5 hours lecture

This course is designed to help Arabic-speaking students further improve their

oral and written communication skills. In addition, it provides the bilingual speaker with the linguistic and learning skills required for successfully completing upper division courses in Arabic.

CSU, UC

Page: 97

Comments:

Added C-ID number to ART 146*

ART 146 – ASIAN ART 3 UNITS

C-ID ARTH 130*

Page: 99

Comments:

(effective Spring 2017) Added AUTO 141 and 142*

AUTOMOTIVE TECHNOLOGY 141 – EMISSION CONTROL LICENSE FUNDAMENTALS LEVEL I INSPECTOR TRAINING* 3 UNITS

Recommended Preparation: AUTO 120, AUTO 122, AUTO 123, AUTO 124

2 hours lecture, 3 hours laboratory

Theory of operation and inspection of emission control devices with strong emphasis on federal and state laws and regulations required for licensing and testing of vehicles. This course demonstrates the most current testing devices used for inspection procedures, and is approved by the State of California Bureau of Automotive Repair (BAR). This course is designed to prepare a student to take the BAR Inspector Only (I.O.) licensing examination. Experienced candidates may skip Level I training if they possess: ASE A6, A8, and L1 certification; or an AA/AS degree or Certificate in Automotive Technology and have 1 year experience; or have 2 years of experience and have completed BAR specified diagnostic and repair training. AUTO 123 Engine Performance II Vehicle Emissions Systems.

AUTOMOTIVE TECHNOLOGY 142 – EMISSION LICENSE PROCEDURES LEVEL II INSPECTOR TRAINING* 2 UNITS

Recommended Preparation: AUTO 120, 122, 123, 124, 127, 141. Completion of all California Bureau of Automotive Repair web based training modules.

1 hour lecture, 3 hours laboratory

The Smog Check Procedures training must be completed by all Inspector candidates. This training provides students the procedural knowledge skills and abilities to perform emission inspections. Students who complete this training will have met the State of California Bureau of Automotive Repair training requirements to qualify to take the Smog Inspector state licensing examination. To pass level II training students must pass a series of hands on assessments and pass a written examination. This course is designed for experienced students who possess ASE A6, A8, and L1 certification; or possess an AA/AS degree or Certificate(s) in automotive technology and have 1 year experience; or have 2 years of experience and have completed BAR specified diagnostic and repair training Engine Performance AT 123.

Page: 116

Comments:

(effective Spring 2017) Change in units, hours, and Prerequisite.*

ENGLISH 020 – SUPPORT FOR FRESHMAN COMPOSITION 1 UNIT*

Prerequisite: "C" grade or higher or "Pass" in ENGL 098 or ESL 119 or ESL 120 or equivalent or assessment.*

1 hour lecture*

This course is designed to review and reinforce the skills necessary to be successful in English 120 (freshman composition). Students will study the elements and principles of composition through the practice of editing and revising narrative, expository, and argumentative essays. Student will also be introduced to effective reading skills and strategies necessary for the reading of college level material. **Pass/No Pass only. Non-degree applicable.**

Page: 121

Comments:

(effective Spring 2017) Changes in units, hours, and course descriptions. Changed from PASS/NO PASS only to graded courses.*

EXERCISE SCIENCE 010 – CARDIOVASCULAR FITNESS AND NUTRITION 1 UNIT*

3 hours laboratory*

Kinesiology Lab course designed to teach the benefits of cardiovascular exercise, heart-healthy nutrition guidelines, and to provide opportunities for students to analyze their eating habits. This course requires workouts and consultations with the instructor, as well as written and computer assignments. Each student will be assessed in the areas of fitness and diet. *Due to health and safety considerations, only one Kinesiology Lab class (ES 010, 011, 012) may be taken per semester.**

EXERCISE SCIENCE 011 – CIRCUIT TRAINING 1 UNIT*

3 hours laboratory*

Kinesiology Lab course designed to develop and encourage positive attitudes and habits with regard to exercise. Each student will be assessed in the areas of body composition, cardiovascular efficiency, muscular strength and endurance, and flexibility. An individual fitness profile will then be established. From this profile, an individual fitness prescription will be developed. Fitness activity will primarily utilize exercise equipment organized into a super circuit. *Due to health and safety considerations, only one Kinesiology Lab class (ES 010, 011, 012) may be taken per semester.**

EXERCISE SCIENCE 012 – INDIVIDUALIZED SPORTS CONDITIONING 1 UNIT*

3 hours laboratory*

Kinesiology Lab course designed to provide advanced exercisers with the opportunity to increase their fitness levels with an emphasis on strength training and muscle flexibility. An individualized fitness program will then be prescribed utilizing the student's personal fitness goals. *Due to health and safety considerations, only one Kinesiology Lab class (ES 010, 011, 012) may be taken per semester.**

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Comments:

Changed course description.*

INTERDISCIPLINARY STUDIES – 198

SUPERVISED TUTORING 0 UNIT

TBA hours

This course uses a variety of educational tools to assist students with various learning needs. The course may be used to strengthen prerequisite skills prior to enrolling in a specific course, or to receive supplemental assistance while enrolled in another course. This course may be taken with different content. **No fee/no credit/noncredit course.***