LACC

SPRING
ADDENDUM
COLLEGE
CATALOG

24
25

01/28/25

Accuracy Statement

This is the Spring addendum to the 2024-2025 Catalog. Included are curricular changes that took place after the Catalog was published.

The Los Angeles City College (LACC) catalog contains the academic and administrative policies and regulations that govern enrollment of students at LACC. Students are responsible for knowing the academic and administrative policies and regulations affecting their program of study and for abiding by all such policies and regulations during their period of enrollment at the college.

The college catalog is not an offer to enter into a contract. Although the college strives to assure the accuracy of the information in this catalog, the college and Los Angeles Community College District (LACCD) reserve the right to make modifications and updates as necessary.

Student Responsibility To Be Informed

While LACC provides numerous support services to assist students, it remains the responsibility of the student to be familiar with the information presented in this catalog and to know and observe all policies and procedures.

Regulations will not be waived and exceptions will not be granted if a student pleads ignorance of policies or procedures.

Catalog Rights

Students may elect to graduate under the requirements of the LACC catalog in effect at the time they began their study at LACC, any year in between as long as they maintain continuous attendance, or in the year they graduate from LACC.

Continuous attendance means enrollment in at least one semester per academic year in the LACCD, excluding summer and winter intersessions. Any academic record symbol (A-F, CR/NC, P/NP, I, IP, W, EW) shall establish enrollment. Students who do not have continuous attendance are considered returning students and must follow the catalog requirements in effect at the time of re-enrollment.

For purposes of implementing this policy, the college may authorize or require substitutions for discontinued courses, or require a student changing a major to complete the major requirements in effect at the time of the change.

Alternative Publication Formats

Students with verifiable disabilities who require alternate formats of college publications should contact the Vice President of Student Services at (323) 953-4000 ext. 2460. The college will provide information in alternate text formats upon request in the timeliest manner possible.

The catalog and schedule of classes are available on the college website at lacitycollege.edu.

NEW CREDIT PROGRAMS

Health & Fitness Center Management
Certificate of Achievement
Total Units: 19

(State Code: 44603; TOP Code: 083520; Academic Plan: C044603D)

The LACC Health and Fitness Center Management Certificate of Achievement is designed to prepare students with the academic knowledge and practical skills required to successfully manage and lead a health and fitness center facility. The program provides both the new student and the returning to college, career shifter the opportunity to acquire the necessary academic knowledge in kinesiology, health, and business so as to become a manager in a variety of health and fitness roles including: General Manager, Assistant General Manager, Operations Manager, Fitness Facility/Maintenance Manager, Director of Personal Training, Director of Group Fitness, Spa Manager, Front Desk Manager, Club Shop Manager, Assistant Personal Training Manager and/or Assistant Group Fitness Manger. This is a unique certificate program that blends business and kinesiology education and does not currently exist at any other California Community College. Students are recommended to have basic English writing and speaking skills, and the ability to perform moderate physical activity before beginning this program.

PROGRAM STUDENT LEARNING OUTCOMES

1. Students will be able to identify and portray ethical behaviors and values consistent with health and fitness industry operational standards and expectations especially related to leadership, business administration, risk management, injury prevention, and customer satisfaction.
2. Students will be able to appraise current health and fitness industry business trends, best practices, and issues; and recommend solutions and/or strategies in to optimize organizational and human performance.
3. Students will be able to utilize their multicultural experiences across a variety of health and fitness management related and skill-based activities to inform their scholarship and practice in health and fitness management.

PROGRAM REQUIREMENTS

Requirements for the Health & Fitness Center Management certificate of achievement may be met by completing 19 units of required courses with a grade of "C" or better.

REQUIRED COURSES (13 UNITS)		UNITS
KIN MAJ 201	HEALTH AND FITNESS CENTER MANAGEMENT	3
HEALTH 055	ADULT AND PEDIATRIC FIRST AID, CPR AND AED SKILLS RECERTIFICATION	0.5
HEALTH 060	ADULT MENTAL HEALTH FIRST AID CERTIFICATION	0.5
KIN MAJ 114	TECHNIQUES OF INSTRUCTION: GROUP FITNESS	1.5
KIN MAJ 115	TECHNIQUES OF INSTRUCTION: STRENGTH TRAINING	1.5
KIN MAJ 117	PERSONAL TRAINER CERTIFICATION PREPARATION	3
BUS 001	INTRODUCTION TO BUSINESS	3

TAKE ONE OF THE FOLLOWING (3 UNITS):		
HEALTH 002	HEALTH AND FITNESS	3
HEALTH 011	PRINCIPLES OF HEALTHFUL LIVING	3
HEALTH 101	INTRODUCTION TO PUBLIC HEALTH	3

TAKE ONE OF THE FOLLOWING (3 UNITS):		
MARKET 001	PRINCIPLES OF SELLING	3
MARKET 021	PRINCIPLES OF MARKETING	3
MGMT 013	SMALL BUSINESS ENTREPRENEURSHIP	3
CAOT 048	CUSTOMER SERVICE	3

Human Movement and Applied Fitness
Associate of Science Degree
Total Units: 30-33

(State Code: 44581; TOP Code: 083520; Academic Plan: C044581C)

The Associate of Science Degree in Human Movement and Applied Fitness is designed to prepare students with the knowledge, skills, abilities, and credentials required to become an expert fitness professional in Personal Training, Group Fitness, and/or Strength and Conditioning. The program's course work prepares students to successfully obtain an accredited primary training certification(s) and earn specialized secondary certifications relevant in today's fitness hiring environments. Students will learn the theoretical and applied concepts of exercise science, human performance assessment and evaluation, and real-world practical experiences that have been carefully embedded in the curricula. Upon graduation students will be eligible for employment in commercial fitness, tactical fitness (military, fire, first responders), and corporate wellness facilities as a personal trainer, tactical strength and conditioning specialist, group fitness instructor, personal training manager, tactical strength and conditioning manager, group fitness manager and/or general manager.

PROGRAM STUDENT LEARNING OUTCOMES

1. Explain the basic principles and vocabulary of exercise science.
2. Demonstrate comprehensive knowledge and clinically appropriate application of exercise in apparently healthy populations in a variety of settings including: preparticipation screening/health risk appraisal, fitness assessment and evaluations, and designing individually tailored exercise prescription and appropriate exercise techniques.
3. Apply evidence-based practice to deduce appropriate strategies that enhance human movement capabilities in exercise and performance.
4. Recognize the importance of interprofessional collaboration in the delivery of safe, high quality care within the health care system and exercise science field.

PROGRAM REQUIREMENTS

Requirements for the Health & Fitness Center Management certificate of achievement may be met by completing 19 units of required courses with a grade of "C" or better.

REQUIRED COURSES (20 UNITS)		UNITS
HEALTH 060	ADULT MENTAL HEALTH FIRST AID CERTIFICATION	0.5
KIN MAJ 100	INTRODUCTION TO KINESIOLOGY	3
KIN MAJ 102	INTRODUCTION TO HUMAN MOVEMENT ANATOMY	4
KIN MAJ 113	EXERCISE TESTING & PRESCRIPTION	2
KIN MAJ 115	TECHNIQUES OF INSTRUCTION: STRENGTH TRAINING	1.5
KIN MAJ 116	INTRODUCTION TO EXERCISE PHYSIOLOGY	3
KIN MAJ 217	FUNCTIONAL MOVEMENT SCREENING ASSESSMENT AND ANALYSIS	3
KIN MAJ 218	CORRECTIVE EXERCISE STRATEGIES FOR THE MOVEMENT PROFESSIONAL	2
KIN MAJ 131	KINESIOLOGY INTERNSHIP EXPERIENCE	1

TAKE ONE OF THE FOLLOWING:

KIN MAJ 114	TECHNIQUES OF INSTRUCTION: GROUP FITNESS	1.5
KIN MAJ 117	PERSONAL TRAINER CERTIFICATION PREPARATION	3
KIN MAJ 225	INTRODUCTION TO STRENGTH AND CONDITIONING	3

TAKE ONE OF THE FOLLOWING:

HEALTH 002	HEALTH AND FITNESS	3
HEALTH 008	WOMAN'S PERSONAL HEALTH	3
HEALTH 011	PRINCIPLES OF HEALTHFUL LIVING	3
HEALTH 043	MEN'S HEALTH AND FITNESS	3
HEALTH 101	INTRODUCTION TO PUBLIC HEALTH	3

TAKE ONE OF THE FOLLOWING:

HEALTH 046	BASIC LIFE SUPPORT CPR/AED FOR THE HEALTHCARE PROVIDER	1
HEALTH 055	ADULT AND PEDIATRIC FIRST AID, CPR, AND AED SKILLS RECERTIFICATION	0.5

TAKE TWO OF THE FOLLOWING:

KIN MAJ 118	SPORTS NUTRITION	2
KIN MAJ 125	INTRODUCTION TO PHYSICAL THERAPY AIDE	3
KIN MAJ 128	CARE AND PREVENTION OF ATHLETIC INJURIES	3
KIN MAJ 150	SENIOR FITNESS ASSESSMENT, STRENGTH & CONDITIONING PROGRAMMING	3
KIN MAJ 175	KETTLEBELL FUNDAMENTALS	3
KIN MAJ 201	HEALTH AND FITNESS CENTER MANAGEMENT	3
KIN MAJ 220	APPLIED HEALTH & HUMAN PERFORMANCE SPECIALIST	3

CREDIT PROGRAM UPDATES

New Program info. highlighted in blue.

Changes are crossed off and highlighted in red.

African American Studies
~~African-American Studies~~
Skills Certificate

Major Units: 15
(TOP Code: 220300; Academic Plan: C220302J)

The African-American Studies skills certificate is designed to recognize students' proficiency in understanding central questions regarding the culture and history of ethnic and minority groups in the United States, with emphasis on people of African descent. The certificate helps demonstrate students' understanding of diversity in various aspects of society, including the workplace.

PROGRAM STUDENT LEARNING OUTCOMES

1. Describe the experiences of African Americans in the American and African diaspora, including their cultures, histories, and politics.
2. Apply data to understand the impact of societal, economic, and political factors on the life chances of people of African descent.
3. Examine the global linkages between African Americans and people of African descent throughout the world.

PROGRAM REQUIREMENTS

Requirements for the African-American Studies skills certificate may be met by completing 15 units of required courses with a grade of "C" or better.

REQUIRED COURSES (15 UNITS)

AFRO AM 004	THE AFRICAN AMERICAN IN THE HISTORY OF THE U.S. I	3
OR		
AFRO AM 005	THE AFRICAN AMERICAN IN THE HISTORY OF THE U.S. II	3
AFRO AM 007	BLACK AMERICANS AND THE POLITICAL SYSTEM	3
AFRO AM 020	AFRICAN-AMERICAN LITERATURE I	3
ANTHRO 102	HUMAN WAYS OF LIFE: CULTURAL ANTHROPOLOGY	3
MUSIC 141	JAZZ APPRECIATION	3

Applications Software
Certificate of Achievement

Major Units: 30
(State Code: 08224; TOP Code: 070210 ~~070200~~; Academic Plan: C008224D)

The Applications Software certificate of achievement prepares students for careers in applications software development and usage in fields related to microcomputer applications, databases, cloud computing, and programming. Students completing the program will find opportunities for employment in various computer science and information systems related businesses and industries.

PROGRAM STUDENT LEARNING OUTCOMES

1. Create a fully documented modular design with correct mathematical and logical operations suitable for implementation from a given program specification.
2. Gain appropriate skills in computer literacy, computer applications, and programing to enable efficient use of computers and their applications.
3. Gain knowledge in basic mathematics as it relates to Computer Science including number systems, Sets & Venn Diagrams, boolean logic, truth tables, and circuit gates.
4. Gain skills in the use of client-side web technologies, such as HTML and CSS, for the design and development of interactive websites.
5. Design and implement solutions to general purpose problems using a programming language such as C++, Java, and Python.
6. Install, configure, and troubleshoot given problems for Linux, Windows, or other operating systems.
7. Design, create, update, and query a relational database using entity-relationship diagrams, normalization, and SQL.
8. Design Infrastructure as a Service (IaaS) for cloud computing to provide computing instances, establish virtual private networks, and manage databases and storage.
9. Analyze performance metrics of cloud architecture to respond dynamically to information and computing workloads.

PROGRAM REQUIREMENTS

Requirements for the Applications Software certificate of achievement may be met by completing 30 units of required courses with a grade of "C" or better.

REQUIRED COURSES (30 UNITS)

CS 101	INTRODUCTION TO COMPUTER SCIENCE	3
CS 102	PROGRAMMING LOGIC AND DESIGN (INTRODUCTION TO PROGRAMMING)	3
CS 103	MATHEMATICS FOR PROGRAMMERS	3
CS 113	PROGRAMMING IN JAVA	3
OR		
CS 116	PROGRAMMING IN C++	3
CS 119	PROGRAMMING IN PYTHON	3
CIS 112	OPERATING SYSTEMS - BEGINNING LINUX	3
CIS 148	INTRODUCTION TO WEB DEVELOPMENT USING HTML AND CSS	3
CIS 192	INTRODUCTION TO CLOUD COMPUTING	3
CIS 193	DATABASE ESSENTIALS IN AMAZON WEB SERVICES	3
CIS 219	INTRODUCTION TO ORACLE: SQL AND PL/SQL	3

Animation - Foundation
~~Animation Foundation~~
Certificate of Achievement

Major Units: 27

(State Code: 38605; TOP Code: 061440; Academic Plan: C038605D)

The Animation certificate of achievement is a comprehensive study of 2D and 3D animation techniques. Upon completion of the program, students will be able to develop original and effective animation projects using industry-standard tools and methodologies. Students learn about the history of animation and technologies, as well digital design software appropriate for use in motion pictures or on the Internet.

Animators work on animations or special effects for television, film, design, and gaming industries. Students may also work on web projects and may generate animated shorts for a product or company.

The certificate allows students to learn basic computer-based animation—which may incorporate 2D drawing and 3D hand building—while focusing on 2D and 3D computer technologies and the use of digital design and printing software. Students are introduced to computer graphics, texturing, and lighting for animation.

Aspiring game designers and animators may be expected to complete a portfolio of their work. Internships and studio training may provide opportunities for hands-on learning. Graduating with the certificate may lead to entry-level employment or/and advanced education in several fields, including the gaming industry and graphic arts. Graduates may be employed in entry level positions, and/or pursue advanced degrees in such fields as animation, storyboarding, game design, and special effects.

PROGRAM STUDENT LEARNING OUTCOMES

1. Acquire and integrate visual art concepts and/or technical skills
2. Practice and learn visual art concepts by performing skill-based exercises
3. Design and implement independent skill-based projects to demonstrate acquired knowledge and mastery
4. Engage in inquiry, critical thinking, and evaluation processes
5. Demonstrate in portfolio-level projects the skills and knowledge necessary for entrance into an animation program at a four-year college/university, or for entrance into the workforce as an entry-level animator

PROGRAM REQUIREMENTS

Requirements for the Animation certificate of achievement may be met by completing 27 units of required courses with a grade of "C" or better.

REQUIRED COURSES (27 UNITS)

ANIMATN 118	HISTORY OF ANIMATION	3
ANIMATN 218	FUNDAMENTALS OF ANIMATION	3
ANIMATN 225	CHARACTER ANIMATION	3
ART 201	DRAWING I	3
ART 209	PERSPECTIVE DRAWING I	3
ART 250	INTRODUCTION TO DIGITAL ART	3
ART 634	COMPUTER GRAPHICS I: 3D COMPUTER GRAPHICS	3
ART 636	COMPUTER GRAPHICS II: 3D COMPUTER GRAPHICS	3
ART 649	STORYBOARDS	3

Humanities
Associate of Arts (AA) Degree

Major Units: 18   Total Units: Minimum of 60
(State Code: 02767; TOP Code: 490300; Academic Plan: C002767C)

The Humanities AA degree is an interdisciplinary studies sequence that brings together the arts, literature, philosophy, social sciences, and cultural studies classes in a structured program that enhances students' writing and critical thinking skills, encourages creativity, and develops empathy and a sense of social justice. It provides a strong foundation for a wide range of undergraduate majors, including humanities, the arts, literature, history, world cultures, and ethnic and gender studies. A minimum of 18 units of Arts, Literature, Cultural Studies, and Humanities classes are required for the Humanities degree.

PROGRAM STUDENT LEARNING OUTCOMES

1. Analyze how primary source documents reflect the values and beliefs of a specific culture.
2. Use an appropriate passage from the source material to support the thesis.
3. Deliver a prepared, purposeful presentation designed to increase knowledge, to foster understanding and to promote change in the listeners' attitudes, values, beliefs, or behaviors.

PROGRAM REQUIREMENTS

Requirements for the Humanities Associate of Arts degree may be met by completing: (a) 18 units of major core courses with a grade of "C" or better; (b) all general education requirements (English and Math must be completed with a grade of "C" or better); (c) a minimum of 60 degree-applicable units with a cumulative grade point average of 2.0 or higher; and (d) a minimum of 12 units must be taken at LACCD.

MAJOR CORE COURSES (18 UNITS)

HUMANITIES (SELECT 6 UNITS)

HUMAN 006	GREAT PEOPLE, GREAT AGES	3
HUMAN 008	GREAT WOMEN IN THE HUMANITIES	3
HUMAN 030	THE BEGINNINGS OF WESTERN CIVILIZATION	3
HUMAN 031	PEOPLE IN CONTEMPORARY SOCIETY	3
HUMAN 061	PEOPLE AND THEIR WORLD: THE CREATIVE PROCESS	3

CULTURAL STUDIES (SELECT 6 UNITS)

AFRO AM 004	THE AFRICAN AMERICAN IN THE HISTORY OF THE U.S. I	3
AFRO AM 005	THE AFRICAN AMERICAN IN THE HISTORY OF THE U.S. II	3
AFRO AM 007	BLACK AMERICANS AND THE POLITICAL SYSTEM	3
ANTHRO 102	HUMAN WAYS OF LIFE: CULTURAL ANTHROPOLOGY	3
ANTHRO 121	ANTHROPOLOGY OF RELIGION, MAGIC AND WITCHCRAFT	3
CHICANO 007	THE MEXICAN-AMERICAN IN THE HISTORY OF THE UNITED STATES I	3
CHICANO 008	THE MEXICAN-AMERICAN IN THE HISTORY OF THE UNITED STATES II	3
CHICANO 044	MEXICAN CIVILIZATION	3
CHINESE 010	CHINESE CIVILIZATION	3
COMM 122	INTERCULTURAL COMMUNICATION	3
FRENCH 010	FRENCH CIVILIZATION	3
HISTORY 007	THE WORLD'S GREAT RELIGIONS	3
HISTORY 073	RACE AND RACISM IN THE UNITED STATES HISTORY	3
JAPAN 009	JAPANESE CIVILIZATION	3
KOREAN 010	KOREAN CIVILIZATION	3
LING 002	INTRODUCTION TO SOCIOLINGUISTICS	3

PHILOS 014	HISTORY OF MODERN EUROPEAN PHILOSOPHY	3
PHILOS 030	ASIAN PHILOSOPHY	3
PHILOS 032	PHILOSOPHY OF RELIGION	3
POL SCI 019	WOMEN IN POLITICS	3
RUSSIAN 010	RUSSIAN CIVILIZATION	3
SOC 002	AMERICAN SOCIAL PROBLEMS	3
SOC 011	RACE AND ETHNIC RELATIONS	3
SOC 022	SOCIOLOGY OF WOMEN	3
SOC 031	SOCIOLOGY OF GENDER	3
SPANISH 009	CIVILIZATION OF SPAIN	3
SPANISH 010	LATIN AMERICAN CIVILIZATION	3

ARTS (SELECT 3 UNITS)

AFRO AM 060	AFRICAN-AMERICAN MUSIC	3
ANTHRO 151	VISUAL ANTHROPOLOGY: EXPLORING CULTURE THROUGH FILM AND MIXED MEDIA	3
ART 501	BEGINNING TWO-DIMENSIONAL DESIGN	3
ARTHIST 103	ART APPRECIATION I	3
ARTHIST 110	SURVEY OF WESTERN ART HISTORY I	3
ARTHIST 120	SURVEY OF WESTERN ART HISTORY II	3
ARTHIST 130	SURVEY OF ASIAN ART HISTORY	3
ARTHIST 139	INTRODUCTION TO ISLAMIC ART	3
ARTHIST 140	SURVEY OF ARTS OF AFRICA, OCEANIA, AND ANCIENT AMERICA	3
ARTHIST 151	INTRODUCTION TO LATIN AMERICAN ART	3
ARTHIST 171	INTRODUCTION TO GLOBAL CONTEMPORARY ART	3
CINEMA 003	HISTORY OF MOTION PICTURES	3
CINEMA 004	HISTORY OF THE DOCUMENTARY FILM	3
CINEMA 018	INTRODUCTION TO FILM GENRES	3
CINEMA 501	MEDIA AESTHETICS AND DESIGN FOR FILM AND DIGITAL MEDIA	3
MUSIC 111	MUSIC APPRECIATION	3
MUSIC 116	SURVEY AND HISTORY OF ROCK, POP AND SOUL MUSIC	3
MUSIC 121	MUSIC HISTORY AND LITERATURE I	3
MUSIC 122	MUSIC HISTORY AND LITERATURE II	3
MUSIC 135	AFRICAN AMERICAN MUSIC	3
MUSIC 136	MUSIC IN AMERICAN CULTURE	3
MUSIC 141	JAZZ APPRECIATION	3
PHILOS 040	INTRODUCTION TO THE PHILOSOPHY OF ART	3
PHOTO 034	HISTORY OF PHOTOGRAPHY	3
PHOTO 501	MEDIA AESTHETICS AND DESIGN FOR FILM AND DIGITAL MEDIA	3
THEATER 100	INTRODUCTION TO THE THEATER	3
THEATER 110	HISTORY OF THE WORLD THEATER	3

LITERATURE (SELECT 3 UNITS)

AFRO AM 020	AFRICAN-AMERICAN LITERATURE I	3
ENGLISH 102	COLLEGE READING AND COMPOSITION II	3
ENGLISH 103	COMPOSITION AND CRITICAL THINKING	3
ENGLISH 203	WORLD LITERATURE I	3
ENGLISH 204	WORLD LITERATURE II	3
ENGLISH 205	BRITISH LITERATURE I	3
ENGLISH 206	BRITISH LITERATURE II	3
ENGLISH 207	AMERICAN LITERATURE I	3
ENGLISH 208	AMERICAN LITERATURE II	3
ENGLISH 211	FICTION	3
ENGLISH 212	POETRY	3
ENGLISH 214	CONTEMPORARY LITERATURE	3
ENGLISH 215	SHAKESPEARE I	3
ENGLISH 216	SHAKESPEARE II	3
ENGLISH 218	CHILDREN'S LITERATURE	3
ENGLISH 219	THE LITERATURE OF AMERICAN ETHNIC GROUPS	3
ENGLISH 239	WOMEN IN LITERATURE	3

ENGLISH 240	LITERATURE AND THE MOTION PICTURE I	3
ENGLISH 252	THE ENGLISH BIBLE AS LITERATURE	3
ENGLISH 255	LATIN AMERICAN LITERATURE	3
ENGLISH 270	SCIENCE FICTION & FANTASY	3
LING 001	INTRODUCTION TO LANGUAGE AND LINGUISTICS	3

Professional Actor Training Level 1
~~*Professional Actor Training - Level 1*~~
Certificate of Achievement

Major Units: 21
(State Code: 40592; TOP Code: 100700; Academic Plan: C040592D)

The Professional Actor Training Level 1 certificate of achievement introduces the student to acting fundamentals through specific movement and vocal techniques, observation exercises, and scene study. The ultimate goal is to develop a firm foundation in basic acting skills and a strong respect and appreciation for all aspects of the theater. All training is geared toward preparing students for careers in acting; teaching drama (postsecondary); entertainment and performance; and production and directing.

PROGRAM STUDENT LEARNING OUTCOMES

1. Develop competency of basic acting skills and techniques in the areas of physical and vocal characterization.
2. Perform substantial and challenging roles in the realization of classroom performances in the form of final exams, scene study, and auto dramas.
3. Identify, comprehend, and apply an understanding of theater literature and visual styles, practices, systems, and historical context used within the realization of theater events.
4. Serve as technical crew in the production of costumes, lighting, sound, or scenery or front of house, in the realization of a fully produced theater event.

PROGRAM REQUIREMENTS

Requirements for the Professional Actor Training - Level 1 skills certificate may be met by completing 21 units of required courses with a grade of "C" or better.

REQUIRED COURSES (21 UNITS)

THEATER 105-1	THEATER SURVEY I- LITERATURE	1
THEATER 242-1	VOCAL AND PHYSICAL DEVELOPMENT LEVEL I	2.5
THEATER 345	TECHNICAL STAGE PRODUCTION	4
THEATER 270*	BEGINNING ACTING	3
THEATER 105-2	THEATER SURVEY II- PERFORMANCE	1
THEATER 242-2	VOCAL AND PHYSICAL DEVELOPMENT LEVEL II	2.5
THEATER 294-1	REHEARSALS AND PERFORMANCES I	4
THEATER 272	INTERMEDIATE APPLIED ACTING	3

*It is strongly recommended that students with no prior acting experience begin their studies by first taking THEATER 200 INTRODUCTION TO ACTING (3 units) before taking THEATER 270. Students should contact the Department for guidance.

Professional Actor Training Level 2
Certificate of Achievement

Major Units: 43 (all units from Level 1 plus 22 units)
(State Code: 40593; TOP Code: 100700; Academic Plan: C040593D)

The Professional Actor Training Level 2 certificate of achievement provides the acting student with more advanced skills through specific movement and vocal techniques, observation exercises, and scene study. The goal is to continue the development of a firm foundation in acting skills and a strong respect and appreciation for all aspects of the theater. All training is geared toward preparing students for careers in acting; teaching drama (postsecondary); entertainment and performance; and production and directing.

PROGRAM STUDENT LEARNING OUTCOMES

1. Develop competency of intermediate acting skills and techniques in the areas of physical and vocal characterization.
2. Perform substantial and challenging roles in the realization of stage performances in the form of production, scene study, and final exams.
3. Identify, comprehend, and apply an understanding of theater literature and visual styles, practices, systems, and historical context used within the realization of theater events.
4. Serve in the realization of a fully produced theater event.

PROGRAM REQUIREMENTS

Requirements for the Professional Actor Training - Level 2 certificate of achievement may be met by completing the 21 units of Professional Actor Training - Level 1 and 22 units of additional required courses with a grade of "C" or better.

ADDITIONAL REQUIRED COURSES (22 UNITS)

THEATER 105-3	THEATER SURVEY III-DESIGN TECHNOLOGY	1
THEATER 242-3	VOCAL AND PHYSICAL DEVELOPMENT LEVEL III	2.5
THEATER 235-1	PLAY PRODUCTION AND COMPANY PERFORMANCE I	5
THEATER 274-1	ADVANCED APPLIED ACTING-LEVEL I	3
THEATER 105-4	THEATER SURVEY IV-AUDIENCE EXPERIENCE	1
THEATER 242-4	VOCAL AND PHYSICAL DEVELOPMENT LEVEL IV	2.5
THEATER 294-2	REHEARSALS AND PERFORMANCES - 2	4
THEATER 276-1	ACTORS' WORKSHOP-LEVEL I	3

Professional Actor Training Level 3
Certificate of Achievement

Major Units: 59-60 (all units from Level 2 plus 16-17 units)
(State Code: 40596; TOP Code: 100700; Academic Plan: C040596D)

The Professional Actor Training Level 3 certificate of achievement provides students with specialized training through advanced coursework in directing, acting for the camera, rehearsal and performance, scene study, and classical acting. Audition and cold reading techniques, resume preparation, and career marketing provide the student with skills needed to work in the highly competitive fields of theater, film, and television. All training is geared toward preparing students for careers in acting; teaching drama (postsecondary); entertainment and performance; and production and directing.

PROGRAM STUDENT LEARNING OUTCOMES

1. Demonstrate competency of advanced acting skills and techniques in the areas of physical and vocal characterization.
2. Perform substantial and challenging roles in the realization of a fully produced theater event.
3. Identify, comprehend, and apply an understanding of theater literature and visual styles, practices, systems, and historical context used within the realization of theater events.
4. Demonstrate excellence in team practices and professional ethics.

PROGRAM REQUIREMENTS

Requirements for the Professional Actor Training - Level 3 certificate of achievement may be met by completing Professional Actor Training - Level 2 and 16-17 units of additional required courses with a grade of "C" or better.

ADDITIONAL REQUIRED COURSES (16-17 UNITS)

THEATER 225	BEGINNING DIRECTION	3
THEATER 275	SCENE STUDY	2
OR		
THEATER 262-1	SPECIAL PROJECTS I	2
THEATER 210	INTRODUCTION TO ORAL INTERPRETATION OF DRAMATIC LITERATURE	3
OR		
THEATER 212	INTRODUCTION TO ORAL INTERPRETATION OF SHAKESPEAREAN LITERATURE	3
THEATER 235-2	PLAY PRODUCTION AND COMPANY PERFORMANCE II	5
THEATER 277	CHARACTER ANALYSIS	3

Radiologic Technology - Fluoroscopy
~~*Radiologic Technology Fluoroscopy*~~
Skills Certificate

Major Units: 3
(TOP Code: 122500; Academic Plan: C122501J)

The fluoroscopy skills certificate is for students who are enrolled in the LACC Radiologic Technology program and have completed their didactic and clinical training in fluoroscopic procedures.

PROGRAM STUDENT LEARNING OUTCOMES

1. Identify and describe various ways of maintaining quality control in fluoroscopy.
2. Examine fluoroscopy images for correct positioning, centering, appropriate anatomy, and overall image quality.
3. Differentiate fluoroscopic examinations from static diagnostic radiographic examinations.

PROGRAM REQUIREMENTS

Requirements for the Fluoroscopy skills certificate may be met by completing 3 units of required courses with a grade of "C" or better.

REQUIRED COURSE (3 UNITS)

RAD TECH 243	PRINCIPLES AND PRACTICES OF FLUOROSCOPY	3

NEW NONCREDIT PROGRAMS

Community Health Worker
Certificate of Completion
Total Lecture Hrs: 72-108
(State Code: 44630; TOP Code: 126100; Academic Plan: C044630F)

The Community Health Worker Certificate of Completion is designed to introduce individuals to the concepts of community health and related resources. Through this program, students gain knowledge and skills necessary to become an effective Community Health Worker (CHW) in diverse settings, including hospitals and community-based clinics. Topics include: roles and responsibilities, health and chronic conditions, resilience, advocacy, and crisis intervention.

PROGRAM STUDENT LEARNING OUTCOMES

1. Explain common roles and responsibilities of community health workers.
2. Prepare a list of community resources and benefit programs.
3. Apply best practices for maintaining client privacy and safety.

PROGRAM REQUIREMENTS

Requirements for the Community Health Worker certificate may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
VOC ED 554CE	COMMUNITY HEALTH WORKERS I – INTRODUCTION AND BACKGROUND	36
VOC ED 555CE	COMMUNITY HEALTH WORKERS II – FOUNDATIONS, ETHICS, AND BEST PRACTICES	18

ELECTIVE COURSES		HRS
ESL NC 360 CE	VESL: ENGLISH FOR SPECIAL USES	36
VOC ED 053 CE	SPANISH FOR THE WORKPLACE	54
VOC ED 405 CE	PROFESSIONALISM IN HEALTH OCCUPATIONS	18

IHSS Care for People with Chronic Illnesses
Certificate of Completion
Total Lecture Hrs: 108
(State Code: 44631; TOP Code: 129900; Academic Plan: C044631F)

The IHSS: Care for People with Chronic Illnesses certificate program equips individuals for roles as IHSS providers specializing in chronic illnesses. Participants gain proficiency in effective caregiving strategies, comprehension of providers' and clients' responsibilities and rights, and the ability to recognize symptoms and signs of chronic diseases like heart attack, stroke, and diabetes.

PROGRAM STUDENT LEARNING OUTCOMES

1. Apply effective caregiving strategies for individuals with chronic diseases.
2. Identify the symptoms and risk factors of diabetes and its complications.
3. Interpret the signs and symptoms of heart attack and stroke, and explain how positive lifestyle changes can mitigate cardiovascular disease.

PROGRAM REQUIREMENTS

Requirements for the IHSS: Care for People with Chronic Illnesses certificate may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
VOC ED 002CE	IN-HOME SUPPORTIVE SERVICE PROVIDER	90
VOC ED 352CE	DIABETES, HEART DISEASE, AND OTHER CHRONIC ILLNESSES	18

IHSS Care for People with Dementia
Certificate of Completion
Total Lecture Hrs: 108
(State Code: 44632; TOP Code: 129900; Academic Plan: C044632F)

The IHSS: Care for People with Dementia certificate of completion prepares individuals for roles as IHSS providers specializing in dementia care. Students learn effective caregiving strategies, understand providers' and clients' responsibilities and rights, distinguish between various types of dementia, and acquire self-care strategies for workplace well-being.

PROGRAM STUDENT LEARNING OUTCOMES

1. Define safety measures and protocols in providing in-home care for people with common types of dementia.
2. Apply effective caregiving strategies tailored to the unique needs of individuals with dementia
3. Explain the providers' and clients' responsibilities and rights in the context of dementia care.
4. Identify the symptoms and progression of Alzheimer's disease and differentiate between Alzheimer's disease and various types of dementia.
5. Describe self- care strategies to maintain well-being at the workplace.

PROGRAM REQUIREMENTS

Requirements for the IHSS: Care for People with Dementia certificate may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
VOC ED 002CE	IN-HOME SUPPORTIVE SERVICE PROVIDER	90
VOC ED 207CE	SELF-CARE FOR THE WORKPLACE	9
VOC ED 208CE	IHSS: CARE FOR PEOPLE WITH DEMENTIA	9

NONCREDIT PROGRAM UPDATES

New Program info. highlighted in blue.

Changes are crossed off and highlighted in red.

Beginning ESL & Civics with Technology II
Certificate of Competency

Total Lecture Hrs: 252
(State Code: 44023; TOP Code: 493087; Academic Plan: C044023F)

The Beginning ESL & Civics with Technology II certificate of competency adds to the building blocks for learning the English language and developing computer literacy. Students expand their English language skills, including reading, writing, listening, and speaking skills. Students also develop basic computer skills that will help complement their English language learning. Upon successful completion of the program, students will be prepared to maximize job opportunities as well as community and civic participation and be more prepared for future courses that foster transition to career training and college-level course work. This certificate includes 4 courses and is appropriate for students with scores of 180-190 on the CASAS Appraisal Exam.

PROGRAM STUDENT LEARNING OUTCOMES

1. Students process, understand, and engage with level-appropriate visual content, short written text, and oral presentations to construct meaning in English.
2. Students produce level-appropriate simple written and spoken responses such that it transmits meaning in English.
3. Students use computers and/or smartphones to practice and improve English language skills through educational multimedia, Canvas, and Office 365.

PROGRAM REQUIREMENTS

Requirements for the Beginning ESL & Civics with Technology II certificate of competency may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		(198 HRS)
ESLCVCS 032CE	ESL & CIVICS - BEGINNING HIGH A	108
ESL NC 060CE	CONVERSATION - LEVEL 2	54
ESL NC 049CE	PRONUNCIATION II: IMPROVING FLUENCY	18
VOC ED 290CE	COMPUTER LITERACY FOR COLLEGE	18

ELECTIVE COURSES		(54 HRS)
VOC ED 128CE	INTRODUCTION TO KEYBOARDING AND WINDOWS FOR THE WORKPLACE	54
VOC ED 129CE	INTRODUCTION TO THE INTERNET	54

College Readiness Math Fundamentals II
Certificate of Competency

Total Lecture Hrs: 108
(State Code: 40128; TOP Code: 493062 ~~493060~~; Academic Plan: C040128F)

The College Readiness Math Fundamentals II certificate of competency is designed for students to increase their math competency in preparation for college courses. The program covers algebraic fundamentals, solving inequalities, linear equations, and multiple variable equations.

PROGRAM STUDENT LEARNING OUTCOMES

1. Simplify algebraic expressions.
2. Demonstrate applied math skills to solve word problems in integers, exponents, and roots, and non-linear equations such as polynomial and rational.
3. Solve compound linear equations, linear inequalities, and absolute value equations and inequalities.

PROGRAM REQUIREMENTS

Requirements for the College Readiness Math Fundamentals II certificate of competency may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
BSICSKL 202CE	COLLEGE READINESS MATH SKILLS III	54
BSICSKL 203CE	COLLEGE READINESS MATH SKILLS IV	54

English as a Second Language - Civics
Certificate of Competency

Total Lecture Hrs: 324
(State Code: 24344; TOP Code: 493087; Academic Plan: C024344F ~~C024344E~~)

The English as a Second Language - Civics certificate of competency enhances the English language skills of limited English-speaking students while preparing them for the United States Citizenship Exam. Students practice fundamental reading, writing, listening, and speaking skills to prepare them for enhanced job opportunities and increased civic participation.

PROGRAM STUDENT LEARNING OUTCOMES

1. Demonstrate knowledge of citizenship and civics-related issues.
2. Demonstrate basic communication skills of listening and speaking necessary to perform everyday activities.
3. Demonstrate basic communication skills of reading and writing necessary to perform everyday activities.

PROGRAM REQUIREMENTS

Requirements for the English as a Second Language - Civics certificate of competency may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
ESLCVCS 030CE	ENGLISH LITERACY AND CIVICS - FOUNDATIONAL	108
ESLCVCS 031CE	ESL & CIVICS - BEGINNING A	108
ESLCVCS 032CE	ESL & CIVICS - BEGINNING HIGH A	108

Entrepreneurship Skills
Certificate of Completion

Total Lecture Hrs: 54
(State Code: 24069; TOP Code: 050640; Academic Plan: C024069E C024069F)

The Entrepreneurship Skills certificate of completion is designed to give students the necessary knowledge and skills to plan, develop, and operate a business. The business entrepreneur utilizes the understanding of business concepts, strategies, and technology to shape ideas into opportunities supported by research, data, and business models.

PROGRAM STUDENT LEARNING OUTCOMES

1. Apply entrepreneurship and customer service concepts to analyze and improve various business ideas.
2. Develop a business plan, marketing strategies, and measure business success.

PROGRAM REQUIREMENTS

Requirements for the Entrepreneurship Skills certificate of completion may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
VOC ED 084CE	ENTREPRENEUR TRAINING PROGRAM	36
VOC ED 239CE	CUSTOMER SERVICE SKILLS	18

High School Equivalency Test Preparation
Certificate of Competency

Total Lecture Hrs: 216
(State Code: 36276; TOP Code: 493062; Academic Plan: C036276F C036276E)

The High School Equivalency Test Preparation certificate of competency prepares students to pass subject tests in reading, writing, mathematics, science, and social studies in preparation for a high school equivalency test (GED, HiSET, or the TASC).

PROGRAM STUDENT LEARNING OUTCOMES

1. Enhance ability to read, understand, and use information in the context of social studies.
2. Develop an understanding of science, the study of living things structure, revision of sentences/passages, reading, and conventions related to an official science test.
3. Practicing and demonstrating arithmetic, the metric system, algebra, geometry, statistics, and probability problems.
4. Examine critical thinking, reading comprehension, interpreting graphs, analyzing literature and the arts, tone and style/prose fiction, and interpreting poetry, drama, plays, non-fiction, and commentaries.

PROGRAM REQUIREMENTS

Requirements for the High School Equivalency Test Preparation certificate of competency may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
BSICSKL 083CE	GED PREPARATION: LITERATURE AND THE ARTS	54
BSICSKL 084CE	GED PREPARATION: MATHEMATICS	54
BSICSKL 085CE	GED PREPARATION: SCIENCE	54
BSICSKL 086CE	GED PREPARATION: SOCIAL STUDIES	54

Hospitality
Certificate of Completion

Total Lecture Hrs: 162
(State Code: 24118; TOP Code: 130700; Academic Plan: C024118E C024118F)

The Hospitality Skills certificate of completion prepares students to be eligible to participate for 8 American Hotel & Lodging Association (AHLA) nationally recognized certifications that include options for entry-level hotel employee. Students will be equipped with the competitive skills, knowledge, and abilities needed to obtain and retain employment in the hospitality sector.

PROGRAM STUDENT LEARNING OUTCOMES

1. Apply concepts and skills necessary to achieve guest satisfaction.
2. Perform entry-level level job functions in hotel/restaurant careers.
3. Prepare for American Hotel and Lodging Association certifications.

PROGRAM REQUIREMENTS

Requirements for the Hospitality Skills certificate of completion may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
VOC ED 242CE	BANQUET SERVER SKILLS	18
VOC ED 243CE	FRONT DESK REPRESENTATIVE	18
VOC ED 244CE	LAUNDRY ATTENDANT SKILLS	18
VOC ED 245CE	PUBLIC SPACE CLEANER SKILLS	18
VOC ED 246CE	RESTAURANT SERVER SKILLS	18
VOC ED 247CE	KITCHEN STEWARD SKILLS	18
VOC ED 248CE	MAINTENANCE ATTENDANT SKILLS	18
VOC ED 249CE	RESERVATIONIST SKILLS	18
VOC ED 250CE	GUESTROOM ATTENDANT SKILLS TRAINING	18

Literacy Level ESL
Certificate of Competency
Total Lecture Hrs: 216
(State Code: 38723; TOP Code: 493087; Academic Plan: C038723F C038723E)

The Literacy Level ESL certificate of competency develops the ability of non-English speaking students in basic literacy skills, including reading, writing, listening, speaking, and conversational skills. The certificate prepares students for enhanced job opportunities, transition to academic studies, and increased community participation.

PROGRAM STUDENT LEARNING OUTCOMES

1. Demonstrate basic literacy skills, including reading, writing, listening, speaking, and conversational skills.
2. Demonstrate basic knowledge of civic-related issues.

PROGRAM REQUIREMENTS

Requirements for the Literacy Level ESL certificate of competency may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
ESL NC 002CE	BEGINNING ENGLISH AS A SECOND LANGUAGE II	54
ESL NC 050CE	BEGINNING CONVERSATION	54
ESLCVCS 033CE	ESL & CIVICS - INTERMEDIATE A	108

Personal Financial Responsibility
Certificate of Competency
Total Lecture Hrs: 54
(State Code: 43793; TOP Code: 493062; Academic Plan: C043793F C043793E)

Personal Financial literacy skills means having the confidence, knowledge, and skills needed to make financial decisions that promote self-sufficiency, stability, and well-being. Topics include earning, spending, and saving money, using credit, insurance options, making important purchases, consumer rights, education, income, and career. These basic skills include the ability to effectively locate, evaluate, and use information, resources, and services and to make informed decisions about financial obligations, budgeting, credit, debt, and planning. Students learn additional financial literacy concepts related to becoming a better-informed consumer when making decisions about education, income, and career.

PROGRAM STUDENT LEARNING OUTCOMES

1. Identify and explain factors that impact an individual's financial future.
2. List important benefits of financial planning.
3. Explain types of consumer loans.
4. Create a digital security plan to protect personally identifiable information.

PROGRAM REQUIREMENTS

Requirements for the Personal Financial Responsibility certificate of completion may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
BSICSKL 123CE	INTRODUCTION TO PERSONAL FINANCIAL RESPONSIBILITY	36
BSICSKL 124CE	INTRODUCTION TO PERSONAL FINANCIAL RESPONSIBILITY II	18

Workplace Success II - Creative Leadership
Certificate of Completion
Total Lecture Hrs: 108
(State Code: 39043; TOP Code: 493072; Academic Plan: C039043E C039043)

The Workplace Success II - Creative Leadership certificate of completion strengthens students' communication and leadership skills, decision-making, problem-solving, risk-taking, utilization of resources, and workplace change.

PROGRAM STUDENT LEARNING OUTCOMES

1. Analyze and recognize individual team members' creative and innovative strengths.
2. Analyze, synthesize, and evaluate solutions to assess validity.
3. Demonstrate creative and effective leadership skills.

PROGRAM REQUIREMENTS

Requirements for the Workplace Success II - Creative Leadership certificate of completion may be met by completing all required courses with a grade of "Pass."

REQUIRED COURSES		HRS
BSICSKL 072CE	THE CREATIVE EDGE: OUTSTANDING LEADERSHIP	54
BSICSKL 079CE	CREATIVITY, INNOVATION, AND LEADERSHIP	54

CREDIT COURSES

New Courses

ADDICST 030 CASE MANAGEMENT AND DOCUMENTATION

3 Units (Lec 3 Hrs)

This course develops competencies in case management and documentation strategies for the addiction treatment setting, with attention to the admissions process, interventions, and documentation of information as it pertains to clients with substance use and other addiction disorders.

ARTHIST 122 INDIGENOUS NORTH AMERICAN VISUAL CULTURE

3 Units (Lec 3 Hrs)

This course is an exploratory survey of selected visual cultural topics within North American Indigenous cultures from prehistory through today. This course is geographically limited to present-day United States and Canada. Regions of study may include but are not limited to cultures of the Arctic, Subarctic, Northwest Coast, California, Great Basin, Plateau, Southwest, Great Plains, Eastern Woodlands, Northeast, and Southeast. Categories may include but are not limited to: portable arts, architecture, pottery, clothing, beadwork, embroidery, and weaponry.

ARMEN 037 ARMENIAN FOR ARMENIAN SPEAKERS III

5 Units (Lec 5 Hrs)
Prerequisite(s): ARMEN 036

ARMEN 037 emphasizes critical thinking and writing skills using Armenian translations of selected works of world literature. Students read complete works of fiction and non-fiction, determine and discuss their literary legacy, and analyze syntactic elements, grammatical structures, and advanced vocabulary present in those works. Emphasis is placed on syntax, sentence structure, and idiomatic usage. Writing forms and strategies are taught within the contexts of contemporary ideas and cultural diversity as reflected in selected readings.

CHEM 073 FOOD PACKAGING MATERIALS AND SYNTHESIS

4 Units (Lec 3 Hrs); (Lab 4 Hrs)
Prerequisite(s): CHEM 072

A student learns fundamentals of edible, bio-based. biodegradable, glass, metal, and paper-based food packaging materials. This course covers factors influencing polymer structures, deteriorative reactions in foods and packaging of foods such as meats, snacks, beverages, horticultural and dairy products. The laboratory presents the techniques of polymer synthesis and food packaging analysis, where students learn about the functions of polymers as well as their thermal stability, bursting and tensile strength.

HEALTH 102 HEALTH AND SOCIAL JUSTICE

3 Units (Lec 3 Hrs)

This course provides an introduction to the health inequities in the United States that stem from unequal living conditions. Students will explore how education, socioeconomic status, racism, and gender shape health epidemics and policy development. Fundamental theories to advocate for health and social justice will be explored, and community organizing approaches will be practiced.

KIN 372-3 PICKLEBALL SKILLS III

1 Units (Lab 3 Hrs)

Students will continue to progress in their pickleball skills. To enroll, students should have at least a USPA 2.5 rating/level of competency with the forehand, backhand, serve, volley, lob and dink shots. Students will focus their learning on individual and team strategies. They will practice increasing their court coverage & positioning through drills and competition.

KIN ATH 580 INTERCOLLEGIATE BASKETBALL-STRENGTH & SKILLS TRAINING

3 Units (Lab 9 Hrs)

This course is an intercollegiate team development course that includes instruction on the fundamentals of the five components of physical fitness and skills of intercollegiate basketball. The course includes instruction, demonstration and practice of strength exercises and basketball skills.

KIN MAJ 145 HISTORY AND PHILOSOPHY OF YOGA

3 Units (Lec 3 Hrs)

This course provides an in-depth overview of the history and philosophy of Yoga and examines the origins of ancient yoga and transition to modern yoga practice done in the west today. Course includes information on ancient texts, yogic anatomy, styles and teaching lineage, Yoga Sutras, Pranayama, and meditation.

KIN MAJ 155 YOGA PEDAGOGY

1 Units (Lab 3 Hrs)

This course provides foundational information necessary for those intending to teach Hatha Yoga. Content focuses on the principles of teaching. This course is designed for the student pursuing the Yoga Teacher Training Certificate, a career teaching yoga in the fitness industry, or for those interested in furthering their understanding of the effects of yoga for health, fitness, and performance.

LAW 053 ELECTRONIC DISCOVERY OF PARALEGALS

3 Units (Lec 3 Hrs)
Prerequisite(s): LAW 011 or Corequisite LAW 014
This course provides the student with a comprehensive overview of acquiring, managing, producing, and organizing varied documents during all phases of a lawsuit. Traditional and computer assisted methods of document management and discovery are explored. The student will learn how to handle a client's documents, obtain documents from opposing parties and non-parties, index and organize documents as they are received, utilize computer-assisted litigation support programs, and use documents at trial.

PHYSICS 120 SCIENTIFIC COMPUTING WITH PYTHON

4 Units (Lec 3 Hrs / Lab 3 Hrs)
Prerequisite(s): PHYSICS 101 and CS 119
Students learn the application of the Python computer programming language to physics and engineering. Topics include Python scripting in an interactive development environment, Markdown annotation, Latex math typesetting, numerical methods such as integration and differentiation, advanced plotting, matrix methods, solution of ordinary differential equations, and applications of artificial intelligence, such as machine learning, to scientific data analysis.

KIN MAJ 117 PERSONAL TRAINER CERTIFICATION PREPARATION ~~PERSONAL TRAINER INSTRUCTOR~~

3 Units (Lec 2 Hrs ~~/ Lab 2 Hrs~~)
~~*Transfer Credit: CSU*~~
Students will develop the knowledge and understanding to prepare for an NCCA Personal Trainer Certification Exam and become an effective and employable personal trainer. This is a comprehensive course for designing individualized programs based on each client's unique health, fitness, and goals. The information covered by this course will help the student learn how to facilitate rapport, adherence, self-efficacy and behavior change in clients, as well as design programs that help clients to improve posture, movement, flexibility, balance, core function, cardiorespiratory fitness, and muscular endurance and strength.

Courses updates

CHEM 060 INTRODUCTION TO GENERAL CHEMISTRY

5 Units (Lec 3 Hrs / Lab 4 Hrs)
Transfer Credit: CSU(CSUGE Area B1,B3), UC(IGETC Area 5A,5C), C-ID (CHEM 101)
Advisory: ENGLISH 028, ENGLISH 067
~~*Prerequisite(s): MATH 115 or MATH 134 or by Appropriate Placement*~~

The student learns chemistry nomenclature of elements and inorganic compounds, concepts in ionic and covalent bonding, atomic structure, molecular geometry, chemical reactions, multi-conceptual problem solving, measurement techniques, stoichiometry and its applications, states of matter and related energy transfers, gas laws, aqueous solution chemistry, quantum basic theory, periodic properties of the elements, colligative properties of solutions, and an introduction to acid base chemistry concepts. This course is a survey of basic chemistry fundamentals with a laboratory component, emphasizing fundamental principles of inorganic and physical chemistry. Quantitative and qualitative laboratory exercises are related to the lecture topics. This course serves as preparation for majoring in chemistry, and the life sciences, studies in allied health, and general physical science education, meeting the IGETC and CSU general education requirements for physical science with laboratory.

NONCREDIT COURSES

New Course

VOC ED 618CE INTRODUCTION TO iPAD AND MACBOOK PRO

0 Units (Lec 13 Hr)

This course provides introductory instruction for Apple Operating Systems. Students are introduced to: terminology, navigation, views, commands, file management, desktop customization, and simple graphics. This basic course is recommended for students with limited or no computer experience.