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## LOS ANGELES MISSION COLLEGE 2023-2024 CATALOG ADDENDUM II

This addendum contains updates to existing courses and programs, as well as any new courses or programs that were approved after the publication of the 2023-2024 Catalog and Addendum I.

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### COURSE UPDATES

- CAOT 078
  - CIS 193
  - COMM 104
  - CS 113, 130, 216
  - EGD TEK 101, 121
  - VOC ED 381CE
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### NEW COURSES

- ENGLISH 124, 223
  - LING 002, 003
  - PALEGAL 101, 102, 103, 104
- 

### DEACTIVATED COURSES

- CS 102
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### NEW NONCREDIT COURSES

- ESL NC 127CE, 128CE
  - VOC ED 002CE
  - MATH NC 105ACE, 105BCE, 105CCE, 105DCE, 105ECE, 105FCE, 105KCE, 105MCE
- 

### PROGRAM UPDATES

- ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)  
Mathematics (M031007H)
  - CERTIFICATE OF ACHIEVEMENT  
Certified Nurse Assistant and Home Health Aide  
(M035254D)
- 

### ARCHIVED PROGRAMS

- SKILL CERTIFICATE  
Cyber Security Associate (M070800J)
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### NEW PROGRAMS

- CERTIFICATE OF ACHIEVEMENT  
Fire Technology (M043524D)
  - CERTIFICATE OF ACHIEVEMENT  
Technical Theater (M043498D)
- 

### OTHER UPDATES

- CO SCI to CS/CIS Conversion Chart
  - List of Courses Eligible for Credit by Exam
  - List of Courses Eligible for Industry Certification
- 

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## COURSE UPDATES

### CAOT 078 COMPUTER ACCOUNTING APPLICATIONS: QUICKBOOKS – (CSU) 3 UNITS

**Prerequisite:** None | **Lecture:** 1 hour | **Lab:** 4 hours

**Note:** Credit by examination offered

Acquaints students with the use of the microcomputer for bookkeeping and accounting applications. Students receive hands-on experience in analyzing business transactions, keeping records, preparing financial statements, and generating financial management reports using an accounting software package such as QuickBooks.

### CIS 193 DATABASE ESSENTIALS IN AMAZON WEB SERVICES – (CSU) 3 UNITS

**Prerequisite:** CIS 192 | **Advisory:** EO SCI 434 or CIS 219

**Lecture:** 2 hours | **Lab:** 2 hours

This course introduces AWS' data storage services. It covers introduction of AWS database technologies and AWS block and object-based storage services. Students learn the principles of database design and management, AWS SQL and NoSQL database technologies. Students use principles of block and object-based storage options. They will study various use case scenario for AWS data storage services. The hands-on labs will allow them to apply the knowledge acquired.

### COMM 104 ARGUMENTATION AND DEBATE (UC:CSU:C-ID COMM 120) 3 UNITS

**Prerequisite:** None | **Lecture:** 3 hours

This course is a critical thinking class in the foundation and strategies of argument, logical reasoning, rational thinking and decision making. Emphasis is placed on both how and why we make the decisions we do. Topics explored include: critical analysis of discourse, claims, definitions, evidence, reasoning, fallacies, and case building.

### CS 113 PROGRAMMING IN JAVA – (UC:CSU) 3 UNITS

**Prerequisite:** None | **Advisory:** CS 102 None

**Lecture:** 2 hours | **Lab:** 2 hours

Covers Java language and object-oriented programming paradigm. Topics include control structures, methods, Java classes, overloading, object references, Java library packages, and file I/O.

### CS 130 INTRODUCTION TO COMPUTER ARCHITECTURE AND ORGANIZATION – (UC:CSU:C-ID COMP 142) 3 UNITS

**Prerequisite:** CS 102 or CS 113 or CS 114 or CS 116

**Lecture:** 2 hours | **Lab:** 2 hours

Covers organization and operation of real computer systems at the assembly-language level. Studies mapping statements and constructs in a high-level language onto sequences of machine instructions as

well as the internal representations of simple data types and structures. Investigates basic principles of operating systems and programming language translation process.

### CS 216 OBJECT-ORIENTED PROGRAMMING IN C++ (UC:CSU:C-ID COMP 122) 3 UNITS

**Prerequisite:** CS 113 or CS 114 or CS 116

**Lecture:** 2 hours | **Lab:** 2 hours

Covers C++ language and object-oriented programming paradigm. Fundamental programming topics include control structures, functions, arrays, pointers, strings, input and output, recursion, and file processing. Object-oriented programming and advance topics include classes, operator overloading, inheritance, virtual functions, polymorphism, templates, and exception handling. Introduces to data structures such as stacks, queues, and trees in C++ object oriented programming.

### EGD TEK 101 ENGINEERING GRAPHICS – (UC:CSU) 3 UNITS

**Prerequisite:** None | **Lecture:** 2 hours | **Lab:** 2 hours

This course covers the principles of engineering drawings in visually communicating engineering designs and an introduction to computer-aided design (CAD). Topics include the development of visualization skills; orthographic projections; mechanical dimensioning and tolerancing practices; and the engineering design process. Assignments develop sketching and 2-D and 3-D CAD skills. The use of CAD software is an integral part of the course.

### EGD TEK 121 3-D COMPUTER-AIDED DESIGN WITH SOLIDWORKS – (UC:CSU) 2 UNITS

**Prerequisite:** EGD TEK 101 | **Lecture:** 1 hour | **Lab:** 2 hours

This is an introductory course in Three-Dimensional Computer-Aided Design and solid modeling. Students learn the concept of creating parts by using features including extrusion, revolve, sweep and loft boss, base, and cut. Other topics covered include creating assemblies and making drawing files out of the solid model or the assembly, utilizing SolidWorks 3-D software.

### VOC ED 381CE PHLEBOTOMY TECHNICIAN I – 0 UNITS

**Prerequisite:** None | **Lecture:** 3 hours | **Lab:** 2 hours

**NOTE:** A health screening and clearance physical exam, immunizations, drug testing, background check, and purchase of malpractice insurance. GED or High School Diploma.

This course will introduce students to the basic concepts of phlebotomy and skills that serve as a foundation for the individuals seeking certification as phlebotomist.

## NEW COURSES

### ENGLISH 124 SHORT STORY WRITING I - (UC:CSU) 3 UNITS

**Prerequisite:** ENGLISH 101 | **Lecture:** 3 hours

Students will develop skills in writing the traditional short story. Emphasis is on discussion of students' writing with some discussion of works of major writers. The course deals with marketing and preparing manuscripts for submission to publishers. Students may submit manuscripts to literary magazines.

### ENGLISH 223 CREATIVE NONFICTION - (UC:CSU) 3 UNITS

**Prerequisite:** ENGLISH 101 | **Lecture:** 3 hours

Students will read and write different genres of Creative Nonfiction (biography, profiles, editorials, cultural criticism, personal narrative, travel, diary, etc.). During the semester, students will learn to recognize and explore the features of creative nonfiction. Through the writing process, they will discover how to apply creative writing techniques to nonfiction subjects in both traditional and new media formats.

### LING 002 INTRODUCTION TO SOCIOLINGUISTICS - (UC:CSU) 3 UNITS

**ADVISORY:** LING 001 | **Lecture:** 3 hours

Students study the processes of linguistic variation and its relationship to geography and socio-cultural identity in both monolingual and multilingual settings. Students gain an understanding of language as a communicative, semiotic, and cognitive tool in society.

### LING 003 INTRODUCTION TO PSYCHOLINGUISTICS - (UC:CSU) 3 UNITS

**ADVISORY:** LING 001 | **Lecture:** 3 hours

In this general introduction to psycholinguistics course, students focus on speech, perception, language processing, language production, and language acquisition. Students study the relationship between the theories proposed by linguistics and data as observed in everyday life. Students also review related areas such as processes of reading, language and the brain, and language and thought.

### PALEGAL 101 CONTRASTIVE ANALYSIS OF ENGLISH-SPANISH GRAMMAR – (CSU) 4 UNITS

**Prerequisite:** None | **Lecture:** 4 hours

An extensive study of the grammatical contrasts between English and Spanish, including similarities as well as divergent grammatical structures. Syntax problem solving methods are explored. Practical application of techniques in the written translation of legal and other documents is stressed. Vocabulary building techniques and selected bibliographies for further study are provided.

### PALEGAL 102 TRANSLATION AND INTERPRETING FOR CRIMINAL PROCEEDINGS – (CSU) 4 UNITS

**Prerequisite:** None | **Lecture:** 4 hours

Acquisition of legal vocabulary and terminology related to California criminal proceedings from complaint to sentencing. Focused training in consecutive, simultaneous and sight interpreting. Specialist forensic terminologies.

### PALEGAL 103 TRANSLATION AND INTERPRETING FOR CIVIL MATTERS – (CSU) 4 UNITS

**Prerequisite:** PALEGAL 101 | **Lecture:** 4 hours

Continuation of training in techniques for translation and interpreting, with content focus on formal civil documents and interpreting of live proceedings in civil matters. Family law, real estate, probate and civil cases are covered in this course. Sight and written translations of pertinent documents and forms are included. Consecutive and simultaneous modes of oral translation are further developed. Retention and memory enhancement exercises are included as part of the vocabulary and terminology practice. Practical activities, such as role-playing in mock trials and depositions, are utilized to increase the student's self confidence and to enhance syntax problem-solving skills.

### PALEGAL 104 LEGAL INTERPRETING LAB PRACTICUM – (CSU) 4 UNITS

**Prerequisite:** PALEGAL 101 | **Lecture:** 4 hours

Review of prior criminal and civil material. Focused preparation for State exam; performance-measured intensive practice in consecutive and simultaneous interpreting and sight translation. Ethics, contemporary issues and standards affecting interpreters.

## NEW NONCREDIT COURSES

### ESL NC 127CE HIGH-INTERMEDIATE ESL – PART A – 0 UNITS

**Prerequisite:** None | **Lecture:** 5 hours

This course is for ESL students at the high-intermediate level who need to expand their linguistic and communicative competence in English to function successfully in their community. The course emphasizes level-appropriate grammar, vocabulary, listening/speaking, reading/writing, basic research, critical thinking, and 21st century skills in activities related to daily life, work, community, civics, current events, and college and career readiness. This class is the first of a two-course sequence.

### ESL NC 128CE HIGH-INTERMEDIATE ESL – PART B – 0 UNITS

**Prerequisite:** None | **Lecture:** 5 hours

This course is for ESL students at the high-intermediate level who need to expand their linguistic and communicative competence in English to function successfully in their community. The course emphasizes level-appropriate grammar, vocabulary, listening/speaking, reading/writing, basic research, critical thinking, and 21st century skills in activities related to daily life, work, community, civics, current events, and college and career readiness. This class is the second of a two-course sequence.

### MATH NC 105ACE PREPARATORY MATHEMATICS: RATIONAL EXPRESSIONS – 0 UNITS

**Prerequisite:** None | **Lecture:** 0.11 hours

This non-credit course covers the topic of rational expressions. It builds on the manipulation of rational numbers, and generalizes to rational expressions. Starting from multiplying and dividing fractions, students add and subtract fractions, and generalize operations to rational expressions. Students reduce fractions and simplify rational expressions via the Least Common Denominator (LCD) method. Elements of factoring are also reviewed.

### MATH NC 105BCE PREPARATORY MATHEMATICS: FACTORING AND QUADRATIC EQUATIONS – 0 UNITS

**Prerequisite:** None | **Lecture:** 0.11 hours

This non-credit course introduces the topic of solving quadratic equations. Factoring common factors and solving quadratic equations in factored form using the principle of zero-products factors are covered. Factoring by grouping is extended to some trinomials.

### MATH NC 105CCE PREPARATORY MATHEMATICS: PROPERTIES OF EXPONENTIALS AND SCIENTIFIC NOTATION – 0 UNITS

**Prerequisite:** None | **Lecture:** 0.11 hours

This non-credit course covers the topic of properties of exponents and scientific notation. Topics include evaluating exponential expressions, using the product rule for exponents, using the power rule for exponents, using the power rules for products and quotients, using the quotient rule for exponents, defining a number raised to the zero power, simplifying expressions containing negative exponents, determining and using all the rules and definitions for exponents to simplify exponential expressions, writing scientific notation, converting numbers from scientific notation to standard form, and performing operations on numbers written in scientific notation.

### MATH NC 105DCE PREPARATORY MATHEMATICS: SOLVING LINEAR EQUATIONS AND LINEAR INEQUALITIES – 0 UNITS

**Prerequisite:** None | **Lecture:** 0.11 hours

This non-credit course covers the topic of solving linear equations and linear inequalities. Topics include applying a general strategy for solving a linear equation, solving an equation that contains fractions and decimals, recognizing identities and equations with no solutions, and solving a linear inequality with one variable where the solution is graphed on a number line and written in interval notation.

### MATH NC 105ECE PREPARATORY MATHEMATICS: ALGEBRA WITH POLYNOMIALS – 0 UNITS

**Prerequisite:** None | **Lecture:** 0.11 hours

This non-credit course that covers the fundamentals of polynomials in algebra. Topics include identifying the type of polynomial, the degree, addition, subtraction, multiplication, and division with polynomials.

### MATH NC 105FCE PREPARATORY MATHEMATICS: IRRATIONAL NUMBERS AND RADICALS – 0 UNITS

**Prerequisite:** None | **Lecture:** 0.11 hours

This non-credit course covers the fundamentals of the irrational numbers. Topics include comparing a rational number with an irrational number, determining a perfect square, or a perfect cube, and evaluating the square root of a perfect square, evaluating the cube root of a perfect cube, simplifying a square root, and simplifying a cube root.

### MATH NC 105KCE PREPARATORY MATHEMATICS: UNIT CONVERSION – 0 UNITS

**Prerequisite:** None | **Lecture:** 0.11 hours

This non-credit course covers the fundamentals of unit conversion by converting units of distance, time, volume, weight, and mass, in the metric system and the English system. Topics include the meaning of prefixes in the metric system, the study of unit relationships in the metric system and the English system, the conversion of units within the metric system and English system.

### MATH NC 105MCE PREPARATORY MATHEMATICS: CARTESIAN COORDINATE SYSTEM AND GRAPHING – 0 UNITS

**Prerequisite:** None | **Lecture:** 0.11 hours

This non-credit course covers the fundamentals of plotting points on the Cartesian coordinate system and applications to graphing linear equations in two variables. Topics include the definition of a point, plotting points on the Cartesian coordinate system, using two points to define a line, the slope of a line, graphing a line using the slope intercept form, determine the equation of a line using the point slope form.

### VOC ED 002CE IN-HOME SUPPORTIVE SERVICE PROVIDERS – 0 UNITS

**Prerequisite:** None | **Lecture:** 5 hours

Students gain the skills needed to be in In-Home Supportive Service (IHSS) Provider so that they can enable an individual to live in their “own home” without danger to their health and/or safety.

**PROGRAM UPDATES**

**ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T) Mathematics**  
(M031007H)

The Associate in Science for Transfer in Mathematics Degree provides the lower-division mathematics course requirements to all students who are planning on transferring to a California State University (CSU) or other four-year university and majoring in mathematics, physics, engineering, or computer science.

**Program Learning Outcomes** – Upon completion, students will be able to:

- Demonstrate knowledge of the fundamental mathematical principles.

<b>REQUIRED CORE</b>		<b>UNITS</b>
MATH 261†	Calculus I	5
MATH 262†	Calculus II	5
MATH 263†	Calculus III	5
<b>List A: Select one (1) course:</b>		<b>3</b>
MATH 270†	Linear Algebra	
MATH 275†	Ordinary Differential Equations	
<b>List B: Select one (1) course:</b>		<b>3-4</b>
<del>CS 114†</del>	<del>Programming in C</del>	
<del>CS 116</del>	<del>Programming in C++</del>	
or CS 216†	Object-Oriented Programming in C ++	
MATH 227	Statistics	
or MATH 227S	Statistics with Support	
or MATH 227A+B†	Statistics I + Statistics II	
or STAT 101	Statistics for the Social Sciences	
or Any List A course not already used		
<b>Total 21-22</b>		

† This course has a prerequisite or corequisite.

*NOTE: A minimum of 60 units and a cumulative GPA of 2.0 or higher must be completed to earn the Associate Degree. Major courses must each be completed with a grade of C or better. Always consult a counselor for information on program and graduation requirements, residency requirements and transfer information.*

**CERTIFICATE OF ACHIEVEMENT Certified Nurse Assistant and Home Health Aide (M035254D)**

**(Effective Winter 2024)**

This certificate prepares students for a career in an area with a high demand for employment. Students will learn to become nurse assistants in long-term care facilities, acute-care settings, and home-care settings. Emphasis is given to safety principles, infection control, and methods for providing physical care as well as emotional and social support. Also included are: medical legal issues, patient cultural differences, anatomy and physiology, pathophysiology, digital literacy, and resume/interview preparation, including practice interviews through LA Chamber of Commerce. The California Department of Public Health certifies the Certified Nurse and Home Health Aide programs of study.

**Program Learning Outcomes** – Upon completion, students will be able to:

- Be eligible to take the State of California Certification Examination.
- Analyze and apply the fundamental nursing skills as required by the State of California Nurse Assistant Certification Examination.

<b>REQUIRED COURSES</b>		<b>UNITS</b>
ALD HTH 021	Basic Life Support for the Healthcare Provider	0.5
<del>HLTHOCC 062</del>	<del>Skill Set for the Healthcare Professional</del>	<del>2</del>
<del>HLTHOCC 063</del>	<del>Basic Medical Terminology, Pathophysiology, and Pharmacology</del>	<del>2</del>
<del>HLTHOCC 064</del>	<del>Cultural and Legal Topics for Healthcare Professionals</del>	<del>1</del>
<del>HLTHOCC 065</del>	<del>Fundamentals for the Healthcare Professional</del>	<del>2.5</del>
NRS_HCA 399A	Nursing Assistant Training Program	6
NRS_HCA 399B†	Home Health Aide Training Program	2
NRS_HCA 056†	Essential Practical Skills for Nurse Assistants	1
<b>Total 17</b>		<b>9.5</b>

† This course has a prerequisite or corequisite.

## NEW PROGRAMS

### CERTIFICATE OF ACHIEVEMENT Fire Technology (M043524D)

*(Part of the Business, Law, and Public Safety CAP)*

This program is designed for those students seeking to gain employment as an entry level firefighter in a municipal, wildland or private fire protection organization.

**Program Learning Outcomes** – Upon completion, students will be able to:

- Demonstrate how to effectively prepare for a career in the Fire Service.
- Distinguish the various types of services the Fire Service provides to the community.
- Illustrate the culture of safety in the Fire Service and its importance when providing quality service to the community.

REQUIRED CORE		UNITS
FIRETEK 201	Fire Prevention Organization	3
FIRETEK 202	Fire Prevention	3
FIRETEK 203	Fire Protection Equipment Systems	3
FIRETEK 204	Building Construction for Fire Protection	3
FIRETEK 205	Fire Behavior and Combustion	3
FIRETEK 206	Fundamentals of Personal Fire Safety and Emergency Action	3
<b>Total 18</b>		

### CERTIFICATE OF ACHIEVEMENT Technical Theater (M043498D)

*(Part of the Arts, Media, and Performance CAP)*

The Technical Theater Certificate of Achievement program offers a solid foundation for students to start a career in a range of entertainment industry fields, including live theatre, music, and dance performance; film and television production; and themed entertainment and corporate event production. The curriculum provides fundamental training in scenic construction, prop construction and sourcing; technical aspects of lighting equipment hanging, cabling, and focusing; flyrail rigging and operation; lighting, sounds, and video console operation; and stage management and technical direction. Students learn the practical application of technical skills and creative problem-solving techniques in a collaborative and professional production scenario. Upon completion of this certificate, students will have acquired the skills to enter the entertainment industry, or to continue specialized training at another institution of higher learning.

**Program Learning Outcomes** – Upon completion, students will be able to:

- Acquire the skills to formulate plans, construct, and complete projects in a variety of areas of theatrical production, including scenic, prop, lighting, sounds, and video.
- Analyze and interpret drawings, renderings, plots, designs, scripts, and other documents related to the major areas of theatrical production.

REQUIRED CORE		UNITS
TECTHTR 342	Technical Stage Production	2
THEATER 100	Introduction to the Theater	3
THEATER 293	Rehearsals and Performances III	3
THEATER 300	Introduction to Stage Craft	3
THEATER 315	Introduction to Scenic Design	3
<b>Select one (1) course:</b>		<b>3</b>
THEATER 310	Introduction to Theatrical Lighting Design	
THEATER 405	Costume Design	

**Total 17**

## OTHER UPDATES

### CO SCI to CS/CIS Conversion Chart

Old Course ID	New Course ID	Title
CO SCI 401	CS 101	Introduction to Computer Science
CO SCI 407	CS 102	Programming Logic and Design
CO SCI 408	CS 111	Programming in Visual Basic <i>(Available at other LACCD Campuses)</i>
CO SCI 462	CS 112	Programming in Javascript
CO SCI 452	CS 113	Programming in Java
CO SCI 439	CS 116	Programming in C++
CO SCI 430	CIS 124	Data Analytics (Advanced Excel and Access)
CO SCI 416	CS 130	Introduction to Computer Architecture and Organization
CO SCI 436	CS 136	Introduction to Data Structures
CO SCI 450	CIS 148	Introduction to Web Development HTML5 & CSS
CO SCI 411	CIS 162	Cyber Security I
CO SCI 483	CIS 165	Principles of Information Security
CO SCI 409	CS 151	Web Application Programming with Visual Basic VB.NET <i>(Available at other LACCD Campuses)</i>
CO SCI 463	CS 157	Full-Stack Web Application Development
CO SCI 185	CIS 185	Directed Study - Computer Science-Information Technology
CO SCI 487	CIS 210	Introduction to Computer Networking
CO SCI 488	CIS 211	Security+ Certification Preparation
CO SCI 484	CIS 215	Network Security Fundamentals
CO SCI 440	CS 216	Object-Oriented Programming in C++
CO SCI 434	CIS 219	Introduction to Oracle: SQL and PL/SQL
CO SCI 453	CIS 222	PC Maintenance and Troubleshooting
CO SCI 285	CIS 285	Directed Study - Computer Science-Information Technology
CO SCI 385	CIS 385	Directed Study - Computer Information Systems

### LIST OF COURSES ELIGIBLE FOR CREDIT BY EXAM

The courses listed below are eligible for Credit by Exam.

Please consult with a counselor or the Transfer Center to determine the best plan to meet your educational goals:

- ADM JUS 001, 002, 003, 004, 005, 006, 014, 104, 160
- BIOTECH 002
- **CAACT 074**
- CIS 101, 148, 210, 222
- CS 101, 102, 119
- CLN ART 050, 060, 101
- MATH 112, 115, 120, 123A, 123B, 123C, 125, 240, 240S
- MULTIMD 100, 240, 340, 610

The courses listed below are eligible for Industry Certification.

Please consult with a counselor or the Transfer Center to determine the best plan to meet your educational goals:

- ADM JUS 001, 002, 003, 005, 006, 014, 104
- CIS **192, 193, 194, 195**, 210, 211, 222