
Los Angeles Mission College 2018-2019 Catalog Addendum

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 2018 - 2019 catalog.

UPDATED COURSES

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|---|------------------------------------|
| • BIOTECH 002 units, advisories, and lab hours | • KIN 350-1 course transferability |
| • CO SCI 439 prerequisite | • KIN 350-2 course transferability |
| • HLTHOCC 064 course description | • KIN 350-3 course transferability |
| • INTRDGN 110 course title, advisory, and description | • MATH 134 lecture and lab hours |
| | • NURSING 399A units and hours |

REINSTATED COURSES

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|---------------|------------------|
| • INTRDGN 109 | • MUSIC 650, 651 |
|---------------|------------------|

NEW COURSES

- | | |
|----------------------------------|----------------------|
| • ENGLISH 104 | • MATH 238L, 245L |
| • INTRDGN 117 | • MUSIC 216-2, 217-2 |
| • KIN 334-1, 336-1, 389-1, 389-2 | |

ARCHIVED COURSES

- | | |
|--------------------------------|---------------------|
| • CO SCI 431 | • ESL 008 |
| • DEV COM 001, 034, 036A, 036B | • INTRDGN 108B, 115 |

UPDATED PROGRAMS

- | | |
|---|---|
| • CERTIFICATES OF ACCOMPLISHMENT: <ul style="list-style-type: none">○ Computer Science: Microcomputer Applications Management○ Cyber Security Associate○ Health Occupations Fundamentals○ Interior Design Space Planning | • CERTIFICATE OF ACHIEVEMENT: <ul style="list-style-type: none">○ Fundamentals of Medical Billing & Coding
• ASSOCIATE DEGREES: <ul style="list-style-type: none">○ Computer Science○ Pharmacy Technician |
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NEW PROGRAMS

- CERTIFICATE OF ACHIEVEMENT: Video for Live Entertainment

PROGRAM DISCONTINUANCES

- CERTIFICATE OF ACCOMPLISHMENT: Technology & Interior Design

COURSE DESCRIPTIONS

BIOTECH 002 BIOTECHNOLOGY I – (CSU) 4 UNITS

Prerequisite: None | **Advisories:** BIOLOGY 003 & CHEM 051 or CHEM 060 or CHEM 065 | **Lecture:** 2 hours, **Lab:** 6 hours

An introduction to the field of biotechnology. Students examine the fundamentals of cellular and molecular biology and are introduced to basic biotechnology laboratory skills, including documentation, safety, solution and buffer preparation, quality control and bioethics. Students develop proficiency in aseptic technique, spectrophotometry, microscopy and centrifugation.

CO SCI 439 PROGRAMMING IN C – (UC:CSU) 3 UNITS

Prerequisite: CO SCI 407 | **Lecture:** 2 hrs, **Lab:** 2 hrs

Focuses on data types, operators and expressions, control flow, functions and program structure, pointers, arrays, arrays of pointers, structures, I/O, and text files. Examples illustrate programming techniques, algorithms, and the use of library routines.

ENGLISH 104 COLLEGE WRITING SKILLS AND SUPPORT - (NDA) 3 UNITS

Corequisite: ENGLISH 101 | **Lecture:** 3 hrs

NOTE: Class is graded pass/no-pass

English 104 provides instruction in college essay writing to supplement at concurrent English 101 course. Students receive additional support in grammar, essay structure, revision techniques, and research skills specifically tied to their English 101 course content.

HLTH OCC 064 CULTURAL AND LEGAL TOPICS FOR THE HEALTHCARE PROFESSIONALS – (CSU) 1 UNIT

Prerequisite: None | **Advisories:** ENGLISH 021 & MATH 105

Lecture: 2 hrs

This course provides an overview of the concepts of health and illness, cultural diversity and legal issues that affect the health care professionals.

INTRDGN 108 RESIDENTIAL SPACE PLANNING – (CSU) 4 UNITS

Prerequisite: None | **Advisories:** INTRDGN 106 & INTRDGN 116

Lecture: 2 hrs, **Lab:** 4 hrs

Develop residential interior spaces that satisfy programmatic needs and use space efficiently. Learn techniques for assimilating client-project information, analyzing program requirements, and developing schematic space-planning solutions for residential situations that include barrier-free kitchens and bathrooms and adherence to CALGreen residential requirements. Covers basic 2D drafting and 3D Building Information Modeling (BIM) techniques in developing design solutions.

INTRDGN 109 KITCHENS AND BATH DESIGN – (CSU) 4 UNITS

Prerequisite: None | **Advisories:** INTRDGN 106 & INTRDGN 116

Lecture: 2 hrs, **Lab:** 4 hrs

Develop commercial interior spaces that satisfy programmatic needs and use space efficiently. Learn techniques for assimilating client-project information, analyzing program requirements, and developing schematic space-planning solutions for commercial situations that include barrier-free kitchens and bathrooms and adherence to CALGreen requirements. Covers basic 2D drafting and 3D Building Information Modeling (BIM) techniques in developing design solutions.

INTRDGN 110 LIGHTING DESIGN – (CSU) 3 UNITS

Prerequisite: None. **Advisory:** INTRDGN 102 | **Lecture:** 3 hrs

This course covers lighting basics, sources of light, lighting hardware, lighting applications, lighting specifications, lighting as an art and natural daylighting. Residential and commercial lighting design are covered.

INTRDGN 117 BUILDING INFORMATION MODELING FOR INTERIOR DESIGN II - (CSU) 3 UNITS

Prerequisite: None. **Advisory:** INTRDGN 116 | **Lecture:** 2 hrs, **Lab:** 2 hrs

Lecture and laboratory teaches advanced topics in Building Information Modeling (BIM) for interior design and architecture. Students utilize computer modeling techniques to apply the elements and principles of design to create architectural and interior drawings and a Building Information Model of a residential or commercial building. Daylighting and building energy analysis, Mechanical, Electrical and Plumbing (MEP) systems, as well as CALGreen and ADA code compliance are reviewed.

KIN 334-1 FITNESS WALKING I - (CSU) 1 UNIT

Prerequisite: None | **Lab:** 3 hrs

Introduces students to the fundamentals of fitness with a focus on cardiovascular fitness, proper nutrition, and weight control through walking. Using a variety of walking and exercise techniques, based on personal needs, students establish programs that achieve these goals.

KIN 336-1 ZUMBA FITNESS I - (CSU) 1 UNIT

Prerequisite: None | **Lab:** 3 hrs

Students will learn introductory level Zumba group exercise which combines a fusion of high energy Latin, international, and popular music with unique moves and combinations. Students will learn and experience the benefits of the integration of aerobic training with basic dance movements. Zumba provides a non-intimidating opportunity for non-dancers and dancers alike to participate in an aerobic group fitness class.

KIN 350-1 WEIGHT TRAINING I – (UC:CSU) 1 UNIT

Prerequisite: None | **Lab:** 3 hrs

Weight Training enhances the lifting skills and knowledge, including enhanced spotting techniques, enhanced lifting techniques and an introduction to more advanced exercises used in a weight training program. An increased emphasis will be placed in the knowledge, understanding, value and practical application of building muscle strength and endurance. The course will include an increased understanding of the human muscular system. The objective is to further enhance the student's ability to prepare their own physical fitness program at any time in their life and to assist others based upon sound physiological and bio-mechanical principles.

KIN 350-2 WEIGHT TRAINING II – (UC:CSU) 1 UNIT

Prerequisite: KIN 350-1 | **Lab:** 3 hrs

Weight Training II provides a higher level of weightlifting skills and knowledge, including enhanced spotting techniques, enhanced lifting techniques and an introduction to more advanced exercises used in a weight training program. An increased emphasis will be placed in the knowledge, understanding, value and practical application of building muscle strength and endurance. The course will include an increased understanding of the human muscular system. The objective is to further enhance the student's ability to prepare their own physical fitness program at any time in their life and to assist others based upon sound physiological and bio-mechanical principles.

KIN 350-3 WEIGHT TRAINING III – (UC:CSU) 1 UNIT

Prerequisite: KIN 350-2 | **Lab:** 3 hrs

Weight Training III provides a higher level of weightlifting skills and knowledge, including enhanced spotting techniques, enhanced lifting techniques and an introduction to more advanced exercises used in a weight training program. An increased emphasis will be placed in the knowledge, understanding, value and practical application of building muscle strength and endurance. The course will include an increased understanding of the human muscular system. The objective is to further enhance the student's ability to prepare their own physical fitness program at any time in their life and to assist others based upon sound physiological and bio-mechanical principles.

KIN 389-1 SOCCER I - (CSU) 1 UNIT

Prerequisite: None | **Lab:** 3 hrs

Provides an introduction to soccer theory and practice using the specific skills of passing, dribbling, shooting, and goalkeeping. Students will also be introduced to individual and team concepts of offensive and defensive play, as well as the rules, soccer etiquette, terminology, and how the components of fitness play apart in the game.

KIN 389-2 SOCCER II - (CSU) 1 UNIT

Prerequisite: KIN 389-1 | **Lab:** 3 hrs

Beginning techniques for the soccer skills of passing, dribbling, shooting, and goalkeeping. The course will cover rules, proper etiquette, terminology, and the components of fitness at a beginning level. The additional skills will include Push Passing, follow the leader, instep drive 1 and clock shooting with both right and left foot at the beginning level.

MATH 134 ACCELERATED ELEMENTARY AND INTERMEDIATE ALGEBRA – 6 UNITS

Prerequisite: MATH 110 or MATH 112 | **Lecture:** 6 hrs

An accelerated course covering topics from Elementary and Intermediate Algebra. Topics include linear equations and inequalities, exponents, polynomials and factoring, rational expressions, rational equations and inequalities, radical expressions and equations, quadratics equations and inequalities, graphing linear and nonlinear equations and inequalities, system of linear and nonlinear equations and inequalities, functions, exponential and logarithmic functions, and conics. This course has a computer lab component and satisfies any Intermediate Algebra requisite.

MATH 238L JUST IN TIME SUPPORT FOR CALCULUS FOR BUSINESS AND SOCIAL SCIENCE I - (CSU) 1 UNIT

Corequisite: MATH 238 | **Lab:** 2 hrs

Course covers core mathematics skills and concepts needed for Calculus for Business and Social Sciences. Intended for students who are concurrently enrolled in Math 238, Calculus for Business and Social Sciences, at Los Angeles Mission College. Topics include concepts from Elementary and Intermediate Algebra that are needed to succeed in a Calculus for Business and Social Sciences: linear equations in one and two variables with applications, literal equations, functions and graphs, systems of equations, inequalities, factoring, polynomial operations, rational expressions, radicals, quadratics, exponential and logarithmic functions.

MATH 245L JUST IN TIME SUPPORT FOR COLLEGE ALGEBRA - (CSU) 1 UNIT

Corequisite: MATH 245 | **Lab:** 2 hrs

Course covers core mathematics skills and concepts needed for College Algebra. Intended for students who are concurrently enrolled in Math 245, College Algebra, at Los Angeles Mission College. Topics include concepts from elementary and intermediate algebra that are needed to succeed in a College Algebra course: linear equations in one and two variables with applications, literal equations, functions and graphs, systems of equations, inequalities, factoring, polynomial operations, rational expressions, radicals, quadratics, and complex numbers.

MUSIC 216-2 MUSIC THEORY II - (CSU) 3 UNITS

Prerequisites: MUSIC 216-1 and MUSIC 217-1 | **Lecture:** 3 hrs

The student incorporates and expands upon the concepts from Music Theory I. In addition, through guided composition and analysis, the course will include: an introduction to two-part counterpoint; voice leading involving four-part chorale writing; diatonic harmony; and an introduction to secondary/applied chords and modulation. This course is the second in a sequence of four.

MUSIC 217-2 MUSICIANSHIP II - (CSU) 1 UNIT

Prerequisites: MUSIC 217-1 and MUSIC 216-1 | **Lab:** 3 hrs

The student applies and develops the rhythmic, melodic, and harmonic materials of Music Theory II through ear training, sight singing, analysis, and dictation. This course is the second in a sequence of four.

MUSIC 650 BEGINNING GUITAR - (UC:CSU) 2 UNITS

Prerequisite: None | **Lecture:** 1 hr, **Lab:** 2 hrs

The student learns basic positioning of body and hands, music notation and reading, finger picking and chord accompaniment. Designed for students with no previous musical training.

MUSIC 651 CLASSICAL GUITAR - (UC:CSU) 2 UNITS

Prerequisite: MUSIC 650 | **Lecture:** 1 hr, **Lab:** 2 hrs

The student reviews music reading techniques, right and left hand playing techniques and performance of elementary solo guitar compositions. For students who wish to continue beyond the beginning level. (If prerequisite is not met, enrollment is subject to audition.

NURSING 399A NURSE ASSISTANT TRAINING PROGRAM – (CSU) 6 UNITS

Prerequisite: ENGLISH 021 or E.S.L. 006A and MATH 105

Lecture: 4 hrs, **Lab:** 6 hrs

Will provide students with an introduction to the health care field, working with residents/patients in the long-term care facility and the acute care setting. Emphasis will be given to safety principles, infection control, methods for providing physical care, and emotional and social support. Upon successful completion of this course students will be eligible to take the California's Nurse Assistant Certification Examination.

EDUCATIONAL PROGRAMS

CERTIFICATE OF ACCOMPLISHMENT

Computer Science: Microcomputer Applications Management

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

- Analyze a problem related to computing requirements and apply the appropriate solution;
- Design, implement and evaluate a computer-based system, process component or program to meet desired needs;
- Demonstrate the ability to address professional, ethical, legal, security and social issues and responsibilities.

REQUIRED COURSES

	UNITS
CO SCI 401 Introduction to Computers & Their Uses	3
CO SCI 430 Data Analytics	3
CO SCI 434 Introduction to Oracle: SQL	3
CO SCI 450 Web Application Development	3
Total	12

CERTIFICATE OF ACCOMPLISHMENT

Cyber Security Associate

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

- Successfully take the vendor neutral certification exams in A++, Network+ and Security+

REQUIRED COURSES

	UNITS
CO SCI 453 A+ Certification Preparation	3
CO SCI 487 Introduction to Local Area Networks	3
CO SCI 411 CyberSecurity I	3
CO SCI 488 Security+ Certification Preparation	3
Total	12

CERTIFICATE OF ACCOMPLISHMENT

Health Occupations Fundamentals

This certificate introduces students to fundamentals in health occupations. The courses introduce students to basic knowledge and skill sets required in health care as well as cultural and legal issues in health occupations. This certificate will serve as a stepping stone for other allied health programs.

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

Analyze and apply basic health care related skills, such as hygiene, safety, and basic concepts in patient care, such as ethics, medical terminology.

REQUIRED COURSES

	UNITS
HLTH OCC 062 Skill Set for the Healthcare Professional	2
HLTH OCC 063 Basic Medical Terminology, Pathophysiology, and Pharmacology	2
HLTH OCC 064 Cultural & Legal Topics for Healthcare Professionals	1
HLTH OCC 065 Fundamentals for the Healthcare Professional	2.5
ALD HTH 021 Basic Life Support for the Healthcare Provider	0.5
Select Required Elective:	1
Any degree applicable course of at least 1 unit	
Total	9

NOTE: The Allied Health 021 course may be substituted by a valid CPR certificate (Basic Life Support for the Health Care Provider) issued by the American Heart Association. The 0.5 units may be substituted with any associate degree applicable course.

CERTIFICATE OF ACCOMPLISHMENT

Interior Design Space Planning

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

- Demonstrate a variety of drawing media to reflect design development and solutions;
- Demonstrate design drawing, information gathering research and analysis, client and user needs;
- Demonstrate knowledge of construction, basics of kitchen and bath design, materials and estimations, lighting design and theme applications.

REQUIRED COURSES

	UNITS
INTRDGN 106 Drafting for Interior Designers	3
INTRDGN 107 Color Theory and Design	3
INTRDGN 108 Residential Space Planning	4
INTRDGN 109 Commercial Space Planning	4
INTRDGN 110 Lighting Design	3
Total	17

CERTIFICATE OF ACHIEVEMENT**Fundamentals of Medical Billing & Coding**

This certification prepares students to assume entry level medical office duties and responsibilities. It also prepares students for career advancement and training in the use of current computer application programs, medical/hospital billing procedures and medical records procedures. The program provides basic skills that promote success in the workplace. Typical entry level positions include medical clerk, medical coder, medical office assistant, billing clerk and medical office staff

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

- Analyze medical language and component parts.
- Apply medical language to discussion of treatment of common diseases and injuries.
- Apply legal guidelines as they relate to health care situations including privacy, confidentiality and safety.
- Demonstrate the ability to minimize cultural conflict in the health care setting.
- Demonstrate understanding of the variation, complexity and ethical principles of the health care provider role in direct and indirect patient care settings.
- Demonstrate workplace traits that promote professional responses to patients, families, colleagues and other members of the healthcare system in simulated settings.
- Provide hands-on introduction to Microsoft Word, Excel, Access, and PowerPoint. Students gain basic knowledge necessary for using computers and becoming computer literate.
- Demonstrate proficiency in administrative medical office procedures applicable to medical office setting.
- Demonstrate interpersonal communication skills applicable to medical office administration.

REQUIRED COURSES**UNITS**

HLTH OCC 063 Basic Medical Terminology, Pathophysiology, and Pharmacology	2
HLTH OCC 064 Cultural & Legal Topics for Healthcare Professionals	1
HLTH OCC 065 Fundamentals for the Healthcare Professional	2.5
HTHTEK 100 Introduction to Health Information Technology	3
HTHTEK 103 Introduction to Basic Coding	3
HTHTEK 110 Ambulatory Care Coding	3
HTHTEK 230 Electronic Health Records in the Health Elective	3

Select Required Elective: 1

Any degree applicable course of at least 1 unit

Total 18

CERTIFICATE OF ACHIEVEMENT**Video for Live Entertainment**

The program is designed to train and prepare students for entry level careers in the video and projection design areas of the live entertainment industry. The program is designed to provide a balance between digital content creation, technical and design skills, and integration of video with live performance. Successful students will be prepared to work as designers and technicians in many areas of the entertainment industry including theatre and dance, theme parks, corporate events, music concerts, and television production.

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

- Apply the elements of and principles of production design with competent skill and technique with video production equipment such as cameras, computer editing software, and projection systems
- Analyze historical, cultural, and aesthetic factors that led to the development of filmmaking and video production and its incorporation into the performing arts
- Devise and produce video content in a collaborative production scenario and incorporate content into a live performance event.

REQUIRED COURSES**UNITS**

THEATER 100 Introduction to the Theater	3
THEATER 315 Introduction to Scenic Design	3
THEATER 310 Introduction to Theatrical Lighting	3
THEATER 291 Rehearsals and Performances I	1
THEATER 330 Integrated Video and Live Performance	3
THEATER 300 Introduction to Stage Craft	3
MULTIMD 100 Introduction to Computer Applications	3
MULTIMD 200 Digital Imaging	3
MULTIMD 210 Digital Editing	3
MULTIMD 300 Design for 3D Computer Applications	3
MULTIMD 610 Introduction to Digital Video Production	3
MULTIMD 610 Digital Video Production: Digital Editing	3
CINEMA 003 History of Motion Pictures and Television	3

Total 37

ASSOCIATE IN ARTS (AA) – Computer Science

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

- Demonstrate a basic understanding of computer hardware and software;
- Demonstrate basic level of competency in programming and logic skills;
- Utilize web technologies;
- Present conclusions effectively, orally and in writing;
- Use productivity software effectively (word processing, spreadsheets, and database software);
- Identify an area of interest through the selection of elective courses;
- Be competitive in the computing job market or be admitted to a bachelors program in computing.

REQUIRED COURSES	UNITS
CO SCI 401 Introduction to Computers & Their Uses	3
CO SCI 407 Programming Logic & Design	3
CO SCI 408 Programming in Visual Basic	3
CO SCI 430 Data Analytics	3
CO SCI 434 Introduction to Oracle: SQL	3
CO SCI 439 Programming in C	3
CO SCI 440 Programming in C ++	3
CO SCI 450 Web Application Development	3
CO SCI 452 Programming in Java	3
CO SCI 487 Introduction to Local Area Networks	3
Total	30

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.

ASSOCIATE IN SCIENCE (AS) – Pharmacy Technician

This program is designed to prepare students for a career in pharmacy. Upon successful completion of the required coursework students are eligible to apply for the State of California Pharmacy Technician licensure and are prepared to work in outpatient, inpatient, and home health care pharmacy settings.

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

- Work in various pharmacy settings
- Acquire the fundamental pharmacy technician skills in an outpatient, inpatient, or home health care pharmacy setting
- Apply ethics and growth related to the pharmacy technician profession

REQUIRED COURSES	UNITS
PHRMCTK 021 Retail Products for Pharmacy Clerks	3
PHRMCTK 023 Introduction to Pharmacy	2
PHRMCTK 029 Body Systems I	3
PHRMCTK 030 Body Systems II	3
PHRMCTK 031 Pharmacy Calculations	2
PHRMCTK 032 Pharmacy Operations	4.75
PHRMCTK 034 Community Pharmacy Externship	2.25
Total	31.25

RECOMMENDED ELECTIVE COURSES

PHRMCTK 035 Inpatient Pharmacy Services	2
PHRMCTK 036 In-Patient Pharmacy Externship	2.25
PHRMCTK 037 Sterile Products	4.75
PHRMCTK 038 Sterile Products Externship	2.25

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.