WEST LOS ANGELES COLLEGE
SPRING 2024 ADDENDUM
ONLINE EDITION

Table of Contents

FRONT MATTER

THE WLAC CATALOG

The West Los Angeles College (WLAC) catalog describes the policies, services, programs, and courses offered by the college for the 2023-2024 academic year. Most of the policies and regulations affecting students are described in this catalog and each student is responsible for becoming familiar with this information. This catalog is not an offer to enter into a contract.

Items in this addenda span effective dates of Winter 2024 through Summer 2024.

ACCURACY STATEMENT

Although WLAC has made every effort to make this addendum accurate, it may, without notice, change information, courses, or programs offered. The reasons for change may include student enrollment, level of funding, or other issues. As a result, WLAC (and the LACCD) reserve the right to make modifications and updates as necessary. More current and complete information may be obtained from the appropriate division or administrative office or from the WLAC website.

STUDENT RESPONSIBILITY TO BE INFORMED

While WLAC provides numerous support services to assist students, regulations will not be waived nor exceptions granted because a student pleads ignorance of policies, procedures, or deadlines. It is the student's responsibility to read the information presented in this addendum and to know and observe all policies and procedures related to their program. Regulations will not be waived nor exceptions granted because a student pleads ignorance of policies, procedures, or deadlines.

ALTERNATIVE PUBLICATION FORMATS

The addendum is available online with limited numbers distributed as a hard copy. Addendum corrections will be in the online version. Students with verifiable disabilities who require alternate formats of this addendum or of other college publications should contact the Vice President of Student Services at (310) 287-4248. The college will provide information in alternate text formats upon request in the timeliest manner possible. This catalog and schedule of classes are available on the college's Catalog webpage

CREDIT COURSE DESCRIPTIONS

COOP ED 095 Work Experience - General I (0.5) (P/NP Option) CSU
Work Experience Education is a course where the student will work toward meeting and/or exceeding workplace objectives developed with input from the employer, the student-employee, and the faculty to assist students developing career awareness, learning industry culture, competencies and norms, and developing professional networks in their desired field to support career mobility. This course requires that the student be paid or unpaid (intern) part-time employment. *Title 5, section 55253 states that work experience may be repeated for a maximum of 14 total units, subject to a maximum of 4 units per one enrollment period. Each 54 hours equals one unit of credit. Students must work, intern, or volunteer 27 hours during the semester to earn half a unit for this course.

COOP ED 195 Work Experience - General I (1) CSU
Work Experience Education is a course where the student will work toward meeting and/or exceeding workplace objectives developed with input from the employer, the student-employee, and the faculty to assist students in developing career awareness, learning industry culture, competencies and norms, and developing professional networks in their desired field to support career mobility. This course requires that the student be in paid or unpaid employment, full or part-time employment. *Title 5, section 55253 states that work experience may be repeated for a maximum of 14 total units, subject to a maximum of 4 units per enrollment period (Board Rule 6405.10). Each 54 hours equals one unit of credit. Students must work, intern, or volunteer 54 hours during the semester to earn one unit for this course.

COOP ED 295 Work Experience - General I (2) CSU
Work Experience Education is a course where the student will work toward meeting and/or exceeding workplace objectives developed with input from the employer, the student-employee, and the faculty to assist students in developing career awareness, learning industry culture, competencies and norms, and developing professional networks in their desired field to support career mobility. This course requires that the student be in paid or unpaid employment, full or part-time employment. *Title 5, section 55253 states that work experience may be repeated for a maximum of 14 total units, subject to a maximum of 4 units per enrollment period (Board Rule 6405.10). Each 54 hours equals one unit of credit. Students must work, intern, or volunteer 108 hours during the semester to earn one unit for this course.

COOP ED 395 Work Experience - General I (3) CSU
Work Experience Education is a course where the student will work toward meeting and/or exceeding workplace objectives developed with input from the employer, the student-employee, and the faculty to assist students in developing career awareness, learning industry culture, competencies and norms, and developing professional networks in their desired field to support career mobility. This course requires that the student be in paid or unpaid employment, full or part- time employment. *Title 5, section 55253 states that work experience may be repeated for a maximum of 14 total units, subject to a maximum of 4 units per enrollment period (Board Rule 6405.10). Each 54 hours equals one unit of credit. Students must work, intern, or volunteer 162 hours during the semester to earn one unit for this course.

HLTHOCC 912 Practicum for the Medical Assistant (1.5)
This course provide introductory practical experience in a health care setting for the Medical Assistant. Students will have observational and supervised work assignments.

HLTHOCC 922 Medical Assistant Clinical Internship (2.5)
This course allows the student to apply knowledge, perform administrative and clinical procedures and develop professional attitudes while interacting with other professionals and consumers in a health care setting. Student will work under the supervision of a medical assistant preceptor. Student is expected to complete 135 contact hours at the assigned placement and participate in weekly meetings with faculty supervisor.

MATH 230L Just in Time Support for Math for Liberal Arts (1)
Corequisite: MATH230
This course covers core mathematics skills and concepts needed to succeed in Mathematics for Liberal Arts Students. The course is designed for students who concurrently enrolled in MATH 230, Mathematics For Liberal Arts Students. Topics in the course include concepts from Intermediate Algebra and Geometry such as linear equations with applications, set theory, graphs and modeling, equations and inequalities, principles of geometry, and writing proofs.

MATH 236L Support Component for Calculus for Business and Social Science (1)
Corequisite: MATH236

This course covers core mathematics skills and concepts needed to succeed in a Calculus for Business and Social Sciences. The course designed for students who concurrently enrolled in MATH 236, Calculus for Business and Social Sciences. Topics in the course include concepts from Elementary and Intermediate Algebra such as linear equations in one and two variables with applications, literal equations, functions and graphs, systems of equations, inequalities, factoring, operations with polynomial, rational expressions, radicals; graph of linear, quadratics, exponential and logarithmic functions.

MATH 241L Just in Time Support for Trigonometry (1)
Corequisite: MATH241
This course covers core mathematics skills and concepts needed to succeed in Trigonometry. The course is designed for students who are concurrently enrolled in MATH 241, Trigonometry with Vectors. Topics include concepts from Elementary and Intermediate Algebra that are needed to succeed in Trigonometry: polynomial operations, rules for exponents, integer and rational exponents, the algebra of functions, solving linear, quadratic, rational and radical equations, solving systems of equations, identifying domains of functions and their graphs, graphing transformations of functions, and conic sections.

MATH 245L Just in Time Support for College Algebra (1)
Corequisite: MATH245
The course covers core mathematics skills and concepts needed for College Algebra. Intended for students who are concurrently enrolled in MATH 245, College Algebra. 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.

MATH 246L Just in Time Support for College Algebra for STEM (1)
Corequisite: MATH246
This course covers core mathematics skills and concepts needed to succeed in College Algebra. The course designed for students who concurrently enrolled in MATH 246, College Algebra for STEM. Topics in the course include concepts from Elementary and Intermediate Algebra such as linear equations with applications, functions and graphs, systems of equations, inequalities, factoring, operations with polynomial, rational, radical, exponential and logarithmic expressions.

MATH 260L Just in Time Support for Precalculus (1)
Corequisite: MATH260
This course covers core mathematics skills and concepts needed for Precalculus, intended for students who are concurrently enrolled in MATH 260. Topics include concepts from Elementary and Intermediate Algebra that are needed to succeed in Precalculus: 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 261L Just in Time Support for Calculus (1)
Corequisite: MATH261
This course covers core mathematics skills and concepts needed for Calculus I, intended for students who are concurrently enrolled in MATH 261. Topics include concepts from Intermediate Algebra and Trigonometry that are needed to succeed in Calculus I: the algebra of functions, solving equations and graphing related to linear, polynomial, rational, radical, exponential, logarithmic and trigonometric functions.

PHRMCTK 912 Work Experience: Sterile Products Externship (2.5)
Prerequisites: ALD HTH 056 and 057 and PHRMCTK 037
In this course students practice skills developed in the Sterile Products class in an ambulatory clinic with infusion services.

PHRMCTK 922 Work Experience: Community Pharmacy Externship (1.5)
Prerequisites: ALD HTH 056 and 057 and PHRMCTK 023 and 029 and 030 and 031 and 032
In this course students practice skills developed in other courses in a community or outpatient pharmacy.

PHRMCTK 923 Work Experience: Inpatient Pharmacy Externship (2.5)
Prerequisites: ALD HTH 056 and 057 and PHRMCTK 035
In this course, students practice newly developed skills in the in-patient pharmacy setting.

PROGRAMS

DATA SCIENCE (CA)
MAJOR CODE 0702.10
ACADEMIC PROGRAM CODE: W043762D

The Certificate of Achievement in Data Science prepares students for careers in careers as data scientists, data analysts, computer system analysts and network support specialists by providing the necessary skills in this highly sought-after professional pathway. This program gives students exposure to skills in analyzing data for actionable insights. Students will practice identifying data-analytics problems and producing solutions that offer the greatest benefits for various organizations by interpreting data sets and variables. Students will practice with large amount of data using various tools such as those that are available as Python libraries. To complete the Certificate of Achievement in Data Science, it is recommended that students meet with a counselor to develop a comprehensive Student Educational Plan and visit the Career Center for possible job opportunities. (effective Spring 2024)

Program Learning Outcomes: Upon successful completion of this program, students will be able to…

1. Apply data science concepts and methods to solve problems in real-world contexts.
2. Develop skills in analyzing data and to build data models.
3. Use tools such as Jupyter notebooks for interactive data exploration and visualization.
4. Demonstrate proficiency using Python programming & tools for data analysis.

Required core courses 18

CS 119	Programming in Python	3
CS 121	Python Programming for Data Science and Machine Learning	3
CS 159	Foundation of Data Science	3
CIS 192	Introductions to Cloud Computing	3
CIS 193	Database Essentials in Amazon Web Services...	3
CIS 219	Introduction to Oracle: SQL and PL/SQL	3

Total Units **.. 18**

DATA SCIENCE ESSENTIALS (CA)
MAJOR CODE 0702.10
ACADEMIC PROGRAM CODE: W043749D

The Certificate of Achievement in Data Science Essentials prepares the student by providing the basic skills in highly sought-after professional career pathways in…. This program gives students exposure to skills in analyzing data for actionable insights. Students will practice identifying the data-analytics problems and producing solutions that offer the greatest opportunities for various organizations, by determining the correct data sets and variables. Students will be practicing with large amount of data using various tools such as those that are available as Python libraries. This certificate is a stackable certificate that may lead to a Certificate of Achievement in Data Science. To complete the Certificate of Achievement in Data Science Essentials, it is recommended that students meet with a counselor to develop a comprehensive Student Educational Plan and visit the Career Center for possible job opportunities. (effective Spring 2024)

Program Learning Outcomes: Upon successful completion of this program, students will be able to…

1. Apply data science concepts and methods to solve problems in real-world contexts.
2. Develop skills in analyzing data and to build data models.
3. Use tools such as Jupyter notebooks for interactive data exploration and visualization.
4. Demonstrate proficiency using Python programming & tools for data analysis.

Required core courses 9

CS 101	Introduction to Computer Science 3	
CS 159	Foundation of Data Science 3	
CIS 105	Introduction to Data Analytics Techniques and Tools 3	

Total Units   9

ESSENTIALS OF ROBOTICS AND PROGRAMMING (CA)

MAJOR CODE: 0956.00
ACADEMIC PROGRAM CODE: W043838D

The Certificate of Achievement in Essentials of Robotics and Programming provides students with a high quality education that prepares them for professional career in programming and robotics. Building and programming a robot is a combination of mechanics, electronics, and problem solving. What student will learn while doing the activities and projects will be relevant to real- world applications that use robotic control, the only differences being the size and sophistication. The mechanical principles, example program listings, and circuits students will use are very similar to, and sometimes the same as, industrial applications developed by engineers. The curriculum prepares students for engineering, mechatronics, and software development as they design, construct, and program an autonomous robot. Obtaining a certificate in Essentials of Robotics and Programming prepares students for career in Robotics Technicians, Industrial Engineering Technicians and Electrical & Electronic Technicians. To complete the Certificate of Achievement in Essentials of Robotics and Programming, students must complete all of the program course requirements. It is recommended that students consult with the Counseling Office to develop a Comprehensive Student Educational Plan, and visit the Career Center for possible job opportunities. (effective Spring 2024)

Program Learning Outcomes: Upon successful completion of this program, students will be able to…

1. Understand electric motors, servos, sensors, switches, and actuators.
2. Use and learn topics of the Python language such as data types, variables, control structures, Python Objects and Oriented Design.
3. Utilize skills in programming and electronics engineering using Arduino.
4. Demonstrate knowledge of the major engineering disciplines, engineering decision-making, ethics and factors for success in academic and professional settings.

Required core courses 10

MIT 220	Introduction to Robotics	3
ENG GEN 101	Introduction to Science, Engineering, and Technology	2
EET 123	Introduction to Arduino	2
CS 119	Programming in Python	3

Total Units 10

ORTHODONTIC DENTAL ASSISTANT (CA)

MAJOR CODE 1240.10
ACADEMIC PROGRAM CODE: W043694D

The Orthodontic Dental Assistant Certificate of Achievement is an entry-level workforce preparation program that prepares students for employment as an orthodontic assistant. The courses are an alternative pathway in dental assisting that meets the next level program that meets the next-level requirements for a level II Certificate of Achievement award. This certificate is stackable to the level I Certificate of Achievement in Fundamentals of Dental Assisting. Orthodontic dental assistants can work in a variety of settings such as orthodontic dental offices and dental offices of general dentists, dental schools, private and government hospitals and clinics, state and local public health departments. (effective Winter 2024)

Program Learning Outcomes: Upon successful completion of this program, students will be able to…

1. Provide comprehensive orthodontic assisting care to individuals from diverse socioeconomic, educational, and cultural backgrounds.
2. Assist in the clinical setting with orthodontic treatment procedures – using orthodontic instruments and materials, taking and processing dental radiographs, impressions and many other dental procedures within the scope of orthodontic dental assisting practice in the state of California.
3. Perform front office duties including scheduling appointments, insurance and/or financial aspects of the orthodontic dental practice and using dental management software systems.
4. Assume responsibility for prevention of disease transmission in the work environment.
5. Perform the orthodontic assisting functions according to state regulations in a safe and ethical manner.
6. Communicate with patients, other health professionals, dental suppliers, business contacts and insurance companies.

Required core courses 16

DEN AST 001	Orientation to Dental Assisting	2
DEN AST 007	Infection Control for the Dental Setting	1
DEN AST 008	Introduction to Dental Radiology	3
DEN AST 013	Practice Management	2
ALD HTH 021	Basic Life Support for the Healthcare Provider	0.5
DEN AST 003	Dental Seminar	1
DEN AST 017	The Science of Orthodontics	3
DEN AST 018	Orthodontics Pre-Clinical	3
DEN AST 901	Cooperative Education – Dental Assisting	0.5

Total Units   16