



LONG BEACH CITY COLLEGE CATALOG 2016 - 2017

ADDENDUM I– Fall 2016

Mission Statement

Long Beach City College promotes equitable student learning and achievement, academic excellence, and workforce development by delivering high quality educational programs and support services to our diverse communities.

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New Courses

The following new courses are effective Fall 2016

ELECT 231 **3.0 units**

Electro-Hydraulics and Pneumatic Systems

45 hours lecture, 27 hours laboratory

Prerequisite: ELECT 435A

Grading: letter grade

This course covers the operation and troubleshooting of electro-hydraulic and electro-pneumatic (fluid power) systems. Control of fluid power systems with automation devices including Programmable Logic Controllers (PLCs) is included. This is a hands-on course with work on operating hydraulic and pneumatic actuators and controls.

ELECT 246 **2.0 units**

NFPA 70E for Manufacturing

36 hours lecture

Prerequisite: ELECT 240

Grading: letter grade

The NFPA 70E is an industry consensus standard for electrical safety in the workplace. This standard provides practical methods for protecting personnel from electrical workplace hazards. Students will learn how to identify factors relating to electrical safety and how to properly correct these problems. Safe work place practices and the selection of proper personal protective equipment will be covered.

ELECT 254 **2.0 units**

OSHA Standards for General Industry

36 hours lecture

Grading: letter grade

This course covers OSHA (Occupational Safety and Health Administration) policies, procedures, and standards, as well as industrial safety and health principles. Topics include scope and application of the OSHA General Industry safety standards. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide. Upon successful course completion, the student will receive an OSHA 30 Hour General Industry Safety Outreach Training Completion Card.

ELECT 256 **1.0 unit**

High Voltage Safety Awareness

18 hours lecture

Prerequisite: ELECT 246

Grading: letter grade

The focus of this course is on voltages over 600 volts, which in the workplace presents unique and potentially deadly hazards to employees. The course covers the recommended best safety practices, personal protective equipment, and safe approach distances for working with voltages between 600 volts and 16k volts. Industry standards from OSHA (Occupational Safety and Health Administration) and NFPA 70E (National Fire Protection Association) are covered.

ELECT 435C **3.0 units**

HMI and Advanced PLC Programming

45 hours lecture, 27 hours laboratory

Prerequisite: ELECT 435B

Grading: letter grade

This course is an introduction to Human Machine Interface (HMI) concepts and programming along with advanced Programmable Logic Controller (PLC) programming. This is a hands-on class with programming of displays and PLCs which will build upon programming skills learned in ELECT 435B. Introductory process control, factory automation and SCADA (Supervisory Control and Data Acquisition) concepts are covered.

ENGL 105AX **5.0 units**

Accelerated Fundamentals of Writing

90 hours lecture

Recommended Preparation: Qualification through the LBCC Assessment process

Grading: letter grade

This course prepares students for college writing through a highly intensive, accelerated format, focusing on expository and argumentative writing, standard English, and critical thinking and reading. During the semester, students are required to complete 3 hours of supplemental learning activities in a Success Center. Successful completion allows students to enroll in ENGL 1.

GBUS 25 **3.0 units**

Digital and Social Media

54 hours lecture

Grading: letter grade or pass/no pass

In this course, students will explore the design and impact of digital and social media technologies for both personal and professional application in a wide variety of organizational situations. Additionally, students will learn to understand digital and social media etiquette and ethics. Both the potential and the limitations of this technology will be explored and students will have access to hands-on experience with several forms of social media technology. Those who complete this course will be prepared to use digital and social media productively and will have a framework for understanding and evaluating new technology tools and platforms as they are developed. This course is not open for credit to students who have completed BCOM 25.

Transferable to CSU

HIST 33 **3.0 units**

Introduction to Chicana/o History

54 hours lecture

Grading: letter grade

This course is a survey of major political, economic, social, and cultural trends and events in United States history from a Chicana/o perspective. The course traces flash points of American and Chicana/o History from the Pre-Columbian era, the colonial era, the U.S. Mexican War, the Gold Rush period, Repatriation, World War II, the Civil Rights movement, and current issues impacting Chicana/os in the twenty-first century. Emphasis is placed on this group's identity formation, experiences, and contributions to the development of the United States.

Transferable to CSU

HLED 21**3.0 units****Introduction to Public Health**

54 hours lecture

Recommended Preparation: ENGL 105 or ESL 34x or Qualification for ENGL 1 through assessment process.

Grading: letter grade or pass/no pass

This course provides an introduction to the discipline of Public Health and satisfies the requirements of the Public Health Transfer Model curriculum. Students will gain an understanding of the basic concepts and terminologies of public health, and the history and accomplishments of public health officials and agencies. An overview of the functions of various public health professions and institutions, and an in-depth examination of the field of public health will be addressed. Topics of the discipline include the epidemiology of infectious and chronic disease, prevention and control of diseases in the community including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations, community organizing and health promotion programming, environmental health and safety, global health, and healthcare policy and management.

Transferable to CSU

HLED 22**3.0 units****Health and Social Justice**

54 hours lecture

Recommended Preparation: ENGL 105 or ESL 34x or Qualification for ENGL 1 through assessment process.

Grading: letter grade or pass/no pass

This course provides an introduction to health inequities/disparities in the United States. Students will explore how education, socioeconomic status, racism and gender impact health outcomes, access to health care, and policy development. Students will analyze public health issues and the skills for advocating for health and social justice. Case studies will include prevalent health issues, such as obesity, drug addiction, chronic disease, and newly emerging infectious disease.

Transferable to CSU

HLED 24**3.0 units****Drugs, Health and Society**

54 hours lecture

Recommended Preparation: ENGL 105 or ESL 34X or Qualification for ENGL 1 through the LBCC assessment process.

Grading: letter grade

This course provides an overview of substance use and abuse in the United States and the impact on personal and public health. In addition to the concept of substance abuse and dependence, the course will cover the distinction between licit and illicit drugs, risk factors, the pharmacology of various drugs, and the neurological and physiological effects on the central nervous system. An analysis of health, social, political and economic factors relative to legal and illicit drugs will also be examined. Epidemiological data on the prevalence, incidence and trends as it pertains to smoking, alcohol, prescription and other drug dependencies in the U.S. will be considered. Prevention, treatment and rehabilitation methods will also be discussed.

Transferable to CSU

LING 3

3.0 units

Introduction to World Languages

54 hours lecture

Recommended Preparation: LIB 1 and LING 1 and ENGL 1

Grading: letter grade

This course provides an introduction to the languages of the world: the diversity, structural characteristics, and methods of classifying languages into families and types. It exams the distinctive features of several representative languages through class discussion, readings, and online materials. It addresses pidgins and creoles; unaffiliated languages; language contact; language endangerment, death, and revitalization; and new directions in research, along with related ethical and socio-political issues and concerns.

Transferable to CSU

MTFAB 90

3.0 units

Computer Integrated Manufacturing

36 hours lecture, 72 hours laboratory

Recommended Preparation: MATH 815 or ELECT 202 and ENGL 801A or equivalent

Grading: letter grade or pass/no pass

This course covers the integration of engineering technology principles and automation in manufacturing environments. Students will create three-dimensional designs with modeling software and produce actual components of their designs on Computer Numerically Controlled (CNC) machine tools. Additional topics covered include machine tool operations, simulations, Rapid Prototyping (RP), robotics, and manufacturing systems.

Transferable to CSU

POLSC 2H

3.0 units

Honors Comparative Government

54 hours lecture

Prerequisite: Qualification for the Honors Program

Recommended Preparation: ENGL 1

Grading: letter grade

This course introduces students to analytical methods used to compare political systems and governments. It examines the politics of selected states from among industrial and post-industrial democracies, developing countries, and communist and post-communist systems. Issues given particular attention include democratization, economic development, ideologies, political culture, trans-state organizations, globalization, and political change.

Transferable to CSU

POLSC 4H**3.0 units****Honors World Politics**

54 hours lecture

Prerequisite: Qualification for the Honors Program

Grading: letter grade or pass/no pass

This course is an introduction to recent and contemporary international relations, foreign policy-making institutions, and the politics of selected foreign states. This class satisfies one lower division social science requirement for majors in political science, history, sociology, humanities, physical sciences and life sciences at UCLA.

Transferable to CSU

TEC 20**3.0 units****Introduction to Engineering and Design**

36 hours lecture, 72 hours laboratory

Grading: letter grade

In this course, students will gain a basic understanding of the design process used in engineering fields and the application of computer modeling software. Emphasis is placed on the design process, geometric relationships, multi-view drawings and assembly drawings per American Society of Mechanical Engineers Y14.5 (ASME Y14.5) standards, drawings for production and various manufacturing processes, modeling, 3D printing and packaging.

Transferable to CSU

TEC 30**3.0 units****Principles of Engineering Technology**

36 hours lecture, 72 hours laboratory

Recommended Preparation: MATH 110 or MATH 110B or MATH 880

Grading: letter grade or pass/no pass

This course introduces the student to principles of engineering technology by the use of activity-based learning, project based learning, and problem-based learning. The student will learn about the design process, communication and documentation, engineering systems, statics and strength of materials, properties of materials and materials testing, reliability, and kinematics.

Transferable to CSU

Inactive Courses

The following courses have been inactivated effective Fall 2016

BCOM 216	Professionalism in Social Media	3.0
COSN 3	Operating Systems: Software and Hardware	4.0
COSK 202	Advanced Keyboarding and Document Production	3.0
COSW 221	Database Programming with PHP/MySQL	3.0
CULAR 200	Introduction to Chocolate	1.0
CULAR 271AD	Work Experience: Food Services	2.0
DANCE 60	Special Projects in Dance	2.0
FIRE 298A	Exp Fire Tools, Equipment and Related Tech	1.0
FILM 35	Film Production Workshop	4.0
FILM 60	Special Projects in Film	1.0
KING 9	Badminton	0.5
KING 12	Baseball	1.0
KING 20	Bowling	1.0
KING 32	Golf	1.0
KING 32B	Golf	1.0
KING 83	Tennis	0.5
KING 88	Track & Field	1.0
KINIA 9AD	Golf (Men)	3.0
KINIA 31AD	Golf (Women)	3.0
KINPP 13	Dance Aerobic-Professional Preparation	1.0
KINPP 19	Theory of Football	2.0
MUSIC 74AD	Solo Vocal Performance (Pop, Jazz, Rock)	2.5
MUSIC 77AD	Studio Performance Techniques	1.0
MUSIC 81	Commercial Keyboard	3.0
MUSIC 87	Vocal Jazz Trios, Quintets, Octets	1.0
MUSIC 88	Small Studio Lab	2.5
MUSIC 271AD	Work Experience-Music	2.0
MUSIC 272AD	Work Experience-Music	3.0
MUSIC 273AD	Work Experience-Music	4.0
SIGN 633	Beginning Speech Reading (Lip Reading)	0.0
SIGN 634	Intermediate Speech reading (lip reading)	0.0
TART 12	Beginning Acting	3.5
TART 13	Intermediate Acting	3.5