



LONG BEACH CITY COLLEGE CATALOG

2017 - 2018 ADDENDUM III– FALL 17

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General Information

Curriculum Offerings

The courses listed in this catalog may not be offered every term or every year. If a course is not offered every term, a note at the end of the catalog description will indicate when the course is usually offered. Check the Schedule of Classes for current term offerings. The college reserves the right to determine which of the courses listed in the catalog are to be offered in each semester. Changes in curriculum or course content may occur after the printing of this catalog.

Course Numbering System

Course numbers relate to the design of the class and applicability to degree and transfer programs.

1-599 Applicable to associate degree

1-99 Transferable for at least elective credit to any college having similar courses in its lower-division curriculum.

100-199 Courses not intended for transfer but may meet a limited number of requirements for the A.A./A.S. Degrees.

200-299 Occupational courses intended to prepare students for immediate job entry.

300-399 Short term or short unit courses which parallel other 1-400 level courses.

400-499 Continuing education courses in occupational fields.

500-599 Vocational courses for apprentices.

600-699 Self-enrichment or basic skills courses which do not carry credit and for which no grade is awarded.

800-899 Courses in basic skills which have credit value that is not applicable to transfer or an associate degree.

Students should see a counselor if they have questions about course credit applicability.

Course Prerequisites, Corequisites, and Recommended Preparation

Prerequisites, corequisites, and recommended preparation advice are listed with some courses in this catalog and the schedule of classes.

A prerequisite is a course or assessment that must be completed before enrolling in a specific course. Satisfactory completion of an assessment requires successful completion of the assessment process. Satisfactory completion of a prerequisite course requires a grade of P or a C or better.

If a student has completed a prerequisite at another college or in high school, the student must bring a copy of his or her official transcript to the Admissions and Records Office and ask for an equivalency evaluation before registering. The student may challenge the prerequisite if the student believes he or she has the knowledge and the ability to succeed in the course, particularly if the student is drawing upon his or her work experience and wishes to take a vocational course. Students will need to meet the deadline for Admissions and Records to review all requisite challenges. Information regarding prerequisite challenges can be found at <http://www.lbcc.edu/admissions>.

A corequisite is a course in which the student must be enrolled at the same time as a companion course. Corequisites are often used in science classes that include a lab. In some cases a student may be allowed to complete the corequisite course in a prior semester.

A recommended preparation statement is a set of skills or a course that will significantly increase a student's probability of success in a course but is not necessarily required for success.

Challenging Course Requisites and Limitations

Challenging course requisites or limitations requires written documentation that explains the alternative course work, background, or abilities that adequately prepare the student for the course. Students may obtain a Prerequisite Challenge Form from the Admissions and Records Office. Reasons for challenging requisites or limitations must include one or more of the following:

1. A requisite course is not reasonably available over a period of several semesters;
2. The student believes the requisite or limitation was established in violation of a regulation or district approved process for establishing requisites and limitations;
3. The student believes the requisite or limitation is discriminatory or is being applied in a discriminatory manner; or
4. The student believes he or she has the documented knowledge or ability to succeed in the course.

Students may file the Prerequisite Challenge Form with the school office or department head responsible for the course he or she wants to enter. If space is available in the class at the time the student files the challenge, the student may register for the challenged course and the district will resolve the challenge in a timely manner. If the challenge is denied, the student will be dropped from the challenged class.

If no space is available in the challenged class at the time that the Prerequisite Challenge Form is filed, the district will resolve the challenge prior to the beginning of registration for the next term. The student may register in the challenged class during the normal registration period if the challenge is approved.

Revised Course

R_TV 60 **2.5 units**

Pro Tools (Digital Audio Recording/Edit)

36 hours lecture, 36 hours laboratory

Grading: letter grade

Formerly MUSIC 60. This course provides instruction on the functions and operations of Pro Tools software and a general overview of Pro Tools related hardware. The class instruction provides a hands-on experience through "real-world" related assignments for students to record, edit and mix digital audio in a computer environment. Although the Pro Tools systems vary in specifications, features and price, the user interface for all systems is consistent and enables the student to translate learned skills to any high-end professional Digital Audio Workstation. Transferable to CSU

Add Repeatability

TART 49AD **2.5 units**

Rehearsal and Performance

144 hours laboratory

Prerequisite: TART 1 (may be taken concurrently)

Corequisite: TART 51. You must enroll in the corequisite course before enrolling in this course.

Grading: letter grade or pass/no pass

Formerly TART 49AD. This course focuses on the application of acting and technical theatre through lab exploration in all aspects of one act play productions. It develops acting and crew capabilities, skills and disciplines through auditions, rehearsals and public performances. Students will participate in at least play production.

Transferable to UC, CSU

TART 75AD **2.0 units**

Summer Repertory Theatre: Performance

126 hours laboratory

Corequisite: TART 76AD

Recommended Preparation: Audition

Grading: letter grade or pass/no pass

Formerly TART 75AD. Summer Repertory Theatre/Performance is the participation in an organized summer theatre program based on the procedures of the professional repertory theatre. Extensive experience in training, rehearsal and performance is explored through required live play productions.

Transferable to UC, CSU

TART 76AD **2.0 units**

Summer Repertory Theatre: Production

126 hours laboratory

Grading: letter grade or pass/no pass

Formerly TART 76AD. This course is a hands-on practical introduction to the function of stage, costume/wardrobe and make-up technicians and their contribution to dramatic productions. Course topics include organization of the stage, lighting and properties departments, costume and make-up departments in the running of a theatre production, including equipment use and maintenance, and the function of technical stage personnel in production work.

Transferable to UC, CSU

New and Revised Degrees

ECONOMICS

Associate in Arts in Economics for Transfer Degree (A.A.-T.), (Plan Code: 5018B/C)

The economics major provides systematic knowledge of the nature and scope of economics with a diverse academic regimen and practical application. The study of economic concepts and theories with concentrations that include: Macroeconomic Analysis, Microeconomic Analysis, Contemporary Economic Issues, and The Global Economy. In addition, an economics major is preparation for general education, good citizenship and literate participation in a market oriented life. The Economics program (AA-T in Economics) offers students a comprehensive education in the theoretical as well as practical applications of the discipline. The degree offers a variety of economics and business courses that aid in familiarizing students with the diverse subfields in the area of Economics. The mission of this program is to provide a definitive course of study in economics to a diverse population of students, ultimately preparing those students for transfer to university. This program in economics is a diverse academic, theoretical and practical, major that is applicable to everyday life, which further fulfills the general requirements of the California State University transfer system.

Program Student Learning Outcomes:

REQUIRED COURSES	UNITS
ECON 1/1H Macro Economics Analysis/Honors	3
ECON 2/2H Micro Economics Analysis/Honors	3
STAT 1/1H Elementary Statistics/Honors	4
MATH 60 First Calculus Course	5
Subtotal Units	15
IN ADDITION, complete THREE-FIVE (3-5) units from LIST A:	
LIST A	
MATH 70 Second Calculus Course	5
ACCTG 1A Principles of Accounting	5
ACCTG 1B Principles of Accounting	5
BCOM 20 Business Writing	3
Subtotal Units	3-5
IN ADDITION, complete THREE-FIVE (3-5) units from LIST B:	
Any LIST A course not already used	3-5
LIST B	
ECON 4 Contemporary Economic Issues	3
ECON 5 The Global Economy	3
Subtotal Units	3-5
Total Units in the Major	21-25

JOURNALISM

The Journalism program prepares students with a body of knowledge and a system of inquiry, scholarship and training for careers in which they are accountable to the public interest for their knowledge, ethics, competence and service; to citizens, clients or consumers for their competencies and the quality of their work; and to employers for their performance.

Associate in Arts in Journalism for Transfer Degree (A.A.-T.), (Plan Code: 5014B/C)

The Associate in Arts in Journalism for Transfer degree is designed to provide students with exciting hands-on media training for students interested in journalism or other mass communication career options. Courses such as Beginning Newswriting and Reporting, Intro to Global Communication, Multimedia Newsroom, Photojournalism and Magazine Feature Writing prepare students to become strong researchers, information gatherers, vital communicators and advocates needed today in industries such as journalism, reporting, news production, advertising, media relations, public information and other forms of mass communications. Students also develop important technical skills in industry software and learn vital production processes while building social skills. Students are trained to be knowledgeable of the variety of jobs, functions and production process of the mass media industry. They will be able to produce quality media content based on current media standards and they will understand the role of journalism and mass media in society. The study of journalism develops critical reading, writing, and thinking skills that are crucial for success at the university level. The overall mission of this program is to aid students in developing the requisite knowledge and skills to excel upon transfer to the CSU and UC systems.

Program Student Learning Outcomes:

- Gather and prepare material accurately and fairly while meeting deadlines.
- Apply teamwork skills to publish a newspaper, magazine, or website.

REQUIRED COURSES	UNITS
JOURN 10 Intro to Global Media Communications	3
JOURN 20 Beginning Newswriting and Reporting	4
JOURN 80 Multimedia Newsroom: News	4
OR	
JOURN 81 Multimedia Newsroom: Features	4
OR	
JOURN 82 Multimedia Newsroom: Profiles	4
OR	
JOURN 83 Multimedia Newsroom: Politics	4
Subtotal Units	11

Select One (1) course from List A below:

LIST A:

JOURN 5	Introduction to Public Relations	4
JOURN 35	Photojournalism	3
OR		
JOURN 36	Digital Photojournalism	3
JOURN 86	Multimedia Editors: Design	4
OR		
JOURN 87	Multimedia Editors: Visuals	4
OR		
JOURN 88	Multimedia Editor Training: Management	4
Subtotal Units		3-4

Select TWO (2) courses from List B below:

LIST B:

PHOT 10	History of Photography	3
JOURN 1A	Digital Design and Publication	3
STAT 1/1H	Elementary Statistics/Honors	4
COMM 10	Elements of Public Speaking	3
ECON 1/1H	Macro Economic Analysis/Honors	3
OR		
ECON 2/2H	Micro Economic Analysis/Honors	3
POLSC 1/1H	Introduction to American Government/Honors	3
POLSC 2	Comparative Government	3
ENGL 3/3H	Argumentative and Critical Writing/Honors	3
PHIL 12	Introduction to Logic	3
OR		
PHIL 22	Symbolic Logic	3
COMM 60	Elements of Argumentation and Debate	3
Subtotal Units		6-7
Total Units in the Major		20-22

KINESIOLOGY

The Department of Kinesiology prepares students in the study of exercise, physical activity and sport, educates students in the study of human movement, and provides students with an opportunity to prepare for transfer or a career in the field of human movement and wellness.

Associate in Arts in Kinesiology for Transfer Degree (A.A.-T.), (Plan Code: 5004B/5004C)

The Associate in Arts in Kinesiology for Transfer (A.A.-T.) degree is designed to prepare students with a general education in the principles, concepts and methodologies of Kinesiology. This degree is designed to increase students' awareness, understanding and knowledge of the broad range of career paths within the field of Kinesiology and to prepare them for seamless transfer to a California State University.

Program Student Learning Outcomes:

- Demonstrate proficiency in skills needed in activities commonly included in a human movement program.
- Examine and evaluate physical activities and their relationship to wellness and fitness.
- Recognize various career opportunities in the field of human movement.

REQUIRED COURSES		UNITS
KINPP 1	Introduction to Kinesiology	3
ANAT 1	Human Anatomy	4
PHYSI 1	Human Physiology	5
Total Units		12

IN ADDITION, complete ONE (1) course from at least THREE (3) different areas of the following list:

AQUATICS

KING 76	Swimming	1
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COMBATIVES

KING 65	Martial Arts	1
KING 66	Self-Defense	1

FITNESS

KINPF 6	Dance Aerobics	1
KINPF 14	Yoga	1
KINPF 17	Jogging	1
KINPF 17B	Jogging	1
KINPF 18	Triathlon Training	1
KINPF 21	Low Impact Aerobics	1
KINPF 22	Physical Fitness	1
KINPF 42	Swimming Fitness	1
KINPF 54	Weight Training	1

INDIVIDUAL SPORTS

KING 10	Badminton	1
KING 10B	Badminton	1
KING 84	Tennis	1

TEAM SPORTS

KING 2	Ultimate Frisbee	1
KING 14	Basketball	1
KING 14B	Basketball	1
KING 70	Soccer	1
KING 70B	Soccer	1
KING 74	Softball	1
KING 86	Touch Football	1
KING 90	Volleyball	1
KING 90B	Volleyball	1
KING 92	Sand Volleyball	1
KING 94	Rugby	1
Subtotal Units		3

IN ADDITION, complete TWO (2) courses from the list below:

STAT 1/H	Elementary Statistics/Honors	4
CHEM 1A	General Chemistry	5.5
OR		
CHEM 3	Intro to Gen, Organic & Biochemistry	5
PHYS 2A	General Physics	4.5
PHYS 3A	Physics for Sci. & Eng.-Mechanics	5.5
KINPP 23	First Aid and Safety	3
Subtotal Units		7-10.5
Total Units in the Major		22-26

PHILOSOPHY

The discipline of philosophy is a fundamental course of study for all college students. Philosophy courses explore enduring human concerns regarding the nature of knowledge, reality, the mind, and values. Students are trained to understand and analyze classic philosophical texts as well as to think critically about contemporary issues relating to social justice, human rights, the environment, technology, art, and religion. Philosophy courses help to instill lifelong habits of questioning, analyzing, and exploring alternative viewpoints. The study of philosophy also develops critical reading, writing, and thinking skills that are crucial for success at the university level. The overall mission of this program is to aid students in developing the requisite knowledge and skills to excel upon transfer to the CSU and UC systems.

Associate in Arts in Philosophy for Transfer (A.A.-T.) (Plan Code: 5012B/C)

Associate in Arts in Philosophy for Transfer is designed to guide students in the exploration of a diversity of philosophical ideas, and to enhance their critical thinking, logic, and imaginative skills. Students who complete the philosophy degree will be able to explain, analyze, and assess a wide variety of philosophical issues. A second purpose is to prepare students for transfer to a university. Upon completion of their program, philosophy majors will be able to describe and analyze various philosophical problems with both academic and practical applications. They will be able to utilize critical thinking and logic skills in philosophical contexts as well as other academic and non-academic areas.

Program Student Learning Outcomes:

- Describe philosophical problems and apply critical thinking and logic skills to analyze them.

REQUIRED COURSES, select TWO (2) courses below:	UNITS
PHIL 22 Symbolic Logic	3
AND	
PHIL 6 Introduction to Philosophy	3
OR	
PHIL 6H Honors Introduction to Philosophy	3
OR	
PHIL 7 Introduction to Ethics	3
OR	
PHIL 7H Honors Introduction to Ethics	3
Subtotal Units	6

IN ADDITION, complete ONE (1) course from LIST A:

LIST A	
Any REQUIRED CORE not already used.	3
PHIL 9 Introduction to Existentialism	3
PHIL 10 Introduction to Feminist Philosophy	3
Subtotal Units	3

IN ADDITION, complete TWO (2) courses from LIST B:

LIST B	
Any LIST A course not already used.	
HIST 1A History: Western European Civilization	3
HIST 1B History: Western European Civilization	3
PHIL 14 Philosophy of Religion	3
Subtotal Units	6

IN ADDITION, complete ONE (1) course from LIST C:
LIST C

Any LIST A or B course not already used.

PHIL 11 Critical Thinking 3

PHIL 12 Introduction to Logic 3

PHIL 8 Introduction to Non-Western Philosophy 3

Subtotal Units 3

Total Units in the Major 18

PUBLIC HEALTH SCIENCE

Associate in Science in Public Health Science for Transfer Degree (A.S.-T.), (Plan Code: 5508B/C)

The Associate in Science in Public Health Science for Transfer (AS-T) degree is designed to prepare students with a general education in the principles, concepts and methodologies of Public Health. Public Health is a dynamic field that focuses on community-based efforts to prevent disease, prolong life, and promote healthy environments and lifestyles. Students will be prepared for careers in a variety of settings, including hospitals, state and local health departments, non-profit agencies, educational institutions, research organizations, health clinics, and international programs. This degree is designed for seamless transfer to a California State University.

Program Student Learning Outcomes:

Upon completion, the Public Health Science major will enable students to:

- Appraise the guiding principles of public health as a discipline, including how public health differs from personal health.
- Propose public health interventions to improve the health of a population.

REQUIRED CORE COURSE		UNITS
HLED 3	Contemporary Health Problems	3
HLED 21	Introduction to Public Health	3
STAT 1	Elementary Statistics	4
OR		
STAT 1H	Honors Elementary Statistics	4
BIO 41	Contemporary Biology	3
OR		
BIO 41H	Honors Contemporary Biology	3
CHEM 1A	General Chemistry	5.5
PSYCH 1	Introduction to Psychology	3
OR		
PSYCH 1H	Honors Introduction to Psychology	3
ANAT 1	Human Anatomy	4
AND		
PHYSI 1	Human Physiology	5
Subtotal Units		30.5
LIST A: Select one course (THREE 3 Units):		
ECON 2	Micro Economic Analysis	3
OR		
ECON 2H	Honors Micro Economic Analysis	3
ECON 1	Macro Economic Analysis	3
OR		
ECON 1H	Honors Macro Economic Analysis	3
F_N 20	Nutrition and Life	3
HLED 10	Human Sexuality	3
HLED 22	Health and Social Justice	3
HLED 24	Drugs, Health and Society	3
SOCIO 1	Introduction to Sociology	3
OR		
SOCIO 1H	Honors Introduction to Sociology	3
Total Units		33.5

SPANISH

Associate in Arts for Transfer (A.A.-T.) Degree, Spanish (Plan Code: 5010B/C)

The Associate in Arts in Spanish for Transfer Degree at Long Beach City College aligns with the college's mission to provide a transfer path for student success. It prepares both non-native students and heritage learners to communicate effectively in Spanish in a wide range of situations in both personal and professional settings. Students will broaden their cultural awareness and develop sensitivity to diverse Hispanic cultures within the global community. The skills obtained through this degree promote equitable learning and achievement, and will prepare a diverse population of students for career advancement and transfer to a four-year college or university.

Program Student Learning Outcomes:

- Students will demonstrate reading comprehension at the appropriate level in the target language.
- Students will demonstrate aural comprehension at the appropriate level in the target language.
- Students will formulate ideas orally at the appropriate level in the target language.
- Students will formulate ideas in writing at the appropriate level in the target language.

REQUIRED COURSES		UNITS
SPAN 1	Elementary Spanish	5
SPAN 2	Elementary Spanish	5
SPAN 3	Intermediate Spanish	5
OR		
SPAN 9	Spanish for Spanish Speakers	5
SPAN 4	Intermediate Spanish	5
OR		
SPAN 10	Spanish for Spanish Speakers	5

IN ADDITION, complete ONE (1) course from LIST A:

LIST A

SPAN 25A	Advanced Spanish: Culture in Literature	3
SPAN 25B	Advanced Spanish: History	3
SPAN 25D	Advanced Spanish: Literature	3
Total Units in the Major		23

THEATRE: GENERAL & ACTING ACADEMY

Associate in Arts for Transfer (A.A.-T), Theatre Arts (Plan Code: 5017B/C)

The Theatre Arts courses offer degree preparation with exciting hands-on acting and technical theatre skills that prepare students for transfer and career options in Theatre Management, Stage Management, Box Office Management, Wardrobe, Make-up Artists, Performance, Teaching, and Apprenticeships. Students also develop important technical skills and learn vital production processes while building social skills. Students are trained to be knowledgeable of the variety of jobs, functions and production process of the theatre industry. The overall mission of this program is to aid students in developing the requisite knowledge and skills to excel upon transfer to the CSU and UC systems.

Program Student Learning Outcomes:

REQUIRED CORE COURSES		UNITS
TART 25	Introduction to Theatre	3
TART 1	Acting 1-Introduction to Acting	3.5
Total Units		6.5
Select 3 units maximum:		
TART 49	Rehearsal and Performance	2.5
TART 39AD	Theatre Practicum	1
Subtotal Units		3.5
LIST A: Select three courses:		
TART 2	Acting 2- Techniques and Characterization	3.5
TART 42	Introduction to Stage Lighting	3
TART 43	Introduction to Stage Costume	3
TART 55	Introduction to Stage Make-up	3
TART 40	Stagecraft	3
Subtotal Units		9-9.5
Select from the following Required Core courses not already used:		
TART 49	Rehearsal and Performance	2.5
TART 39AD	Theatre Practicum	1
Subtotal Units		3
Total Units		18-18.5

BAKING & PASTRY ARTS

The Baking and Pastry Arts program provides students with the fundamental knowledge of Baking and Pastry principles and techniques to prepare our graduates for employment in Retail, Hotel, and Resort Bakery and Pastry kitchens.

Associate in Science (A.S.) Degree, Baking & Pastry Arts (Plan Code: 2142)

The Baking and Pastry Arts Associate in Science Degree provides students with the fundamental knowledge of Baking and Pastry principles and techniques to prepare our graduates for employment in Retail, Hotel, and Resort Bakery and Pastry kitchens. The associate degree will provide students with a broad-based general education which will prepare them for global citizenry.

Program Student Learning Outcomes:

- Create yeast bread products to industry standards.
- Create pastry products to industry standards.
- Synthesize the principles and reactions of basic baking ingredients and their properties alone and when combined with other ingredients.
- Demonstrate industry-standard kitchen safety and sanitation practices.

REQUIRED COURSES		UNITS
BCOM 222	Job Search Skills	3
BCOM 262	Soft Skills for the Workplace	1
CULAR 20	App Food Serv Sanit in Hotel/Rstr Mgmt	3
CULAR 225	Product and Menu Development	2
CULAR 241	Intro to Baking & Pastry Skills/Princ	5
CULAR 258	Artisan Breads	1.5
CULAR 259	Viennese Pastries	1.5
CULAR 242	Intermed Baking and Pastry Skills/Princ	5
CULAR 246	Specialty Cakes & French Pastries	3
CULAR 247	Cake Decorating	3
CULAR 243A	Advanced Bakery Operations	4
CULAR 243B	Advanced Bakery Practicum	4
Subtotal Units		36

IN ADDITION, complete THREE (3) units from the following:

CULAR 250	Culinary Skills for Baking Students	1.5
CULAR 252	Frozen Desserts	1.5
CULAR 253	Chocolate Confections, Deco & Showpieces	1.5
CULAR 254	Sugar Confections, Deco & Showpieces	1.5
CULAR 255	Plated Desserts	1.5
CULAR 256	Holiday Desserts	1.5
Subtotal Units		3
Total Units in the Major		39

RECOMMENDED courses but not required:

LEARN 811	Introduction to Study Skills	1
MATH 825	Culinary Math	1
COSA 1	Computer Information Competency	1

FIRE SCIENCE

The Fire Science program prepares students for careers in the fire service and enhances skills for those who are currently employed in that area.

Associate in Science (A.S.) Degree, Fire Science (Plan Code: 2805)

Students are educated and trained in the technical fields relating to fire and safety practices. This program also provides partial lower division preparation for the baccalaureate degree in this field. This Associate Degree will prepare students for entry to a fire academy and for career advancement for those already employed in a fire-related industry.

Program Student Learning Outcomes:

- Explore the history, development, structure, and functions of the American fire service.
- Apply prevention/protection/fire-fighting theories, principles, and concepts to address real-life situations in the field.
- Recognize the importance of and practice of the safety behaviors in a professional fire service setting.
- Analyze, interpret, and evaluate prevention/protection/fire-fighting theories, policies, practices, and procedures to develop strategies to prevent, control, and fight fires.

REQUIRED CORE COURSES		UNITS
FIRE 1	Fire Protection Organization	3
FIRE 2	Fire Prevention Technology	3
FIRE 3	Fire Protection Equipment and Systems	3
FIRE 4	Building Construction	3
FIRE 5	Fire Behavior and Combustion	3
Subtotal Units		15

IN ADDITION, complete NINE (9) units from the following courses:

FIRE 53	Fire Hydraulics	3
FIRE 54	Hazardous Materials 1	3
FIRE 57	Introduction to Tactics and Strategy	3
FIRE 58	Intro to Fire Company Administration	3
FIRE 61	Rescue Practices	3
FIRE 62	Fire Apparatus & Equipment	3
FIRE 64	Hazardous Materials 2	3
FIRE 65	Fundamental of Fire Safety	3
FIRE 240	Firefighter I Physical Agility	.5
EMT 251	Emergency Medical Technician	3
EMT 251L	Emergency Medical Technician Lab	1.5
PUBAD 1	Introduction to Public Administration	3
Subtotal Units		9
Total Units in the Major		24

KINESIOLOGY

The Department of Kinesiology prepares students in the study of exercise, physical activity and sport, educates students in the study of human movement, and provides students with an opportunity to prepare for transfer or a career in the field of human movement and wellness.

Associate in Arts (A.A.), Kinesiology (Plan Code: 1701)

A Kinesiology Associates Degree prepares students for entry-level positions as physical activity specialists in fitness, health, and medical settings (i.e. health clubs, rehabilitative exercise centers, sports medicine clinics); educational settings (i.e. elementary and secondary schools); and community service agencies (e.g. YMCAs, Boys and Girls Clubs, neighborhood recreation centers, private and public camps).

Program Student Learning Outcomes:

- Demonstrate knowledge of rules, strategies, techniques, and etiquette of various activities to promote lifelong fitness.
- Demonstrate knowledge of basic aspects of a training/fitness program.
- Recognize various career opportunities in the field of human movement.

REQUIRED COURSES	UNITS
KINPP 1 Introduction to Kinesiology	3
KINPP 4 Lifetime Wellness Principles	3
KINPP 23 First Aid and Safety	3
Subtotal Units	9

IN ADDITION, complete SIX (6) units from the following:

KINPP 5 Sports Appreciation	3
KINPP 7 Intro to Community Recreation	3
KINPP 8 Stress Management through Physical Activity	3
KINPP 10 Prevention & Care of Athletic Injuries	3
KINPP 12 Techniques of Physical Fitness	2
KINPP 14 Theory of Athletic Coaching	3
KINPP 15 Sports Officiating-Fall	3
KINPP 17 Sports Officiating-Spring	3
KINPF 81 Fitness and Wellness Center	1
Subtotal Units	6

IN ADDITION, complete NINE (9) units from at least FOUR (4) of the following categories:

ACTIVITY THEORY

KINPP 70A Exercise Science & Fitness Assessment	3
KINPP 70B Fitness Program Design & Instruction	3
KINPP 230 Fieldwork Observation in Kinesiology	3
KINPP 233 Techniques of Strength and Conditioning	3

AQUATICS

KING 55 Lifeguard/Water Safety Training	4
KING 76 Swimming	1
KINPF 3 Aqua Calisthenics	1

KINPF 4	Deep Water Aerobics	1
KINPF 42	Swimming Fitness	1

INDIVIDUAL & DUAL ACTIVITIES

KING 10	Badminton	1
KING 10B	Badminton	1
KING 84	Tennis	1

FITNESS

KINA 1	PE for the Physically Limited	1
KINPF 6	Dance Aerobics	1
KINPF 8	Circuit Weight Training	1
KINPF 8B	Circuit Weight Training	1
KINPF 10	Stretch & Relaxation	1
KINPF 10B	Stretch & Relaxation	1
KINPF 12	Core Conditioning	1
KINPF 12B	Core Conditioning	1
KINPF 14	Yoga	1
KINPF 17	Jogging	1
KINPF 17B	Jogging	1
KINPF 18	Triathlon Training	1
KINPF 18B	Triathlon Training	1
KINPF 21	Low Impact Cardio	1
KINPF 22	Physical Fitness	1
KINPF 22B	Physical Fitness	1
KINPF 23	Cycling Conditioning	1
KINPF 24	Cardio Cross Fit	1
KINPF 53	Power Lifting	1
KINPF 53B	Power Lifting	1
KINPF 54	Weight Training	1
KINPF 54B	Weight Training	1
KINPF 84A	Fitness & Wellness	2
KINPF 84B	Fitness & Wellness	2

COMBATIVE

KING 65	Martial Arts	1
KING 65B	Martial Arts	1
KING 66	Self Defense	1
KING 66B	Self Defense	1

TEAM SPORTS

KING 2	Ultimate Frisbee	1
KING 2B	Ultimate Frisbee	1
KING 14	Basketball	1
KING 14B	Basketball	1
KING 70	Soccer	1
KING 70B	Soccer	1
KING 74	Softball	1
KING 86	Touch Football	1
KING 90	Volleyball	1
KING 90B	Volleyball	1

KING 92	Sand Volleyball	1
KING 92B	Sand Volleyball	1
KING 94	Rugby	1
INTERCOLLEGIATE ATHLETICS		
KINIA 1AD	Baseball: Men	3
KINIA 2AD	Off-Season Conditioning for Athletes	0.5-3
KINIA 3AD	Basketball: Men	3
KINIA 4AD	Pre-Season Training for Athletes	0.5-3
KINIA 5AD	Cross Country: Men	3
KINIA 7AD	Football: Men	3
KINIA 13AD	Soccer: Men	3
KINIA 15AD	Swimming: Men	3
KINIA 19AD	Track & Field: Men	3
KINIA 21AD	Volleyball: Men	3
KINIA 23AD	Water Polo: Men	3
KINIA 27AD	Basketball: Women	3
KINIA 29AD	Cross Country: Women	3
KINIA 33AD	Beach Volleyball: Women	3
KINIA 35AD	Soccer: Women	3
KINIA 37AD	Softball: Women	3
KINIA 39AD	Swimming: Women	3
KINIA 41AD	Tennis: Women	3
KINIA 43AD	Track & Field: Women	3
KINIA 45AD	Volleyball: Women	3
KINIA 47AD	Water Polo: Women	3
Subtotal Units		9
Total Units in the Major		24

METAL FABRICATION TECHNOLOGY

The Metal Fabrication Technology program's mission is to provide technical training to meet the demands of the industry and the needs of the individual to demonstrate entry level skills necessary for employment.

Associate in Science Degree (A.S.), Metal Fabrication Technology (Plan Code: 2984)

The Associate Degree will provide the student with the technical competencies required to meet the demands of the metal fabrication industries. The Associate Degree will also provide the General Education courses that help build the scope of knowledge and self-confidence that prepare a student for the working environment.

Program Student Learning Outcomes:

- Perform a common sheet metal layout and fabrication project.
- Perform common metal fabrication using power machinery to produce a fabrication project.
- Demonstrate the ability to read and interpret construction blueprints.

REQUIRED COURSES	UNITS
ELECT 253 OSHA Standards for Construction Safety	2
MTFAB 50 Introduction to Metalworking	4
MTFAB 220B Advanced Metal Layout and Fabrication	4
MTFAB 220C Power Metalworking Machine Operations	4
MTFAB 260 Blueprint Reading for Metal Fabrication	3
MTFAB 421 Metal Fabrication and Layout	1
WELD 50 Introduction to Welding	4
Total Units	22

Completion of General Education Requirements (Plan A)	19 Units minimum
Additional elective units may be required to meet the 60 degree-applicable unit minimum total.	
Students should consult with a counselor for course selections.	
Total Degree Units	60 Units minimum

Certificate of Achievement, Metal Fabrication Technology: Core Skills (Plan Code: 3982)

The Core Skills Certificate of Achievement will prepare students for an entry-level position as a trainee in metal layout, fabrication, welding and installation.

Program Student Learning Outcomes:

- Perform a common sheet metal layout and fabrication project.
- Perform common metal fabrication using power machinery to produce a fabrication project.
- Demonstrate the ability to read and interpret construction blueprints.

REQUIRED COURSES	UNITS
MTFAB 50 Introduction to Metalworking	4
ELECT 202 Electrical Mathematics	3
ELECT 253 OSHA Standards for Construction Safety	2
MTFAB 220C Power Metalworking Machine Operations	4
MTFAB 260 Blueprint Reading for Metal Fabrication	3
MTFAB 421 Metal Fabrication and Layout	1
WELD 50 Introduction to Welding	4

RECOMMENDED but not required:

DRAFT 201	Introduction to Drafting	4
FORK 801	Forklift Safety & Operations	1
MTFAB 220D	CNC Metal Fabrication Systems	4
MTFAB 223	Sheet Metal Duct Systems and Fabrication	3
MTFAB 420	Metal Fabrication and Layout	2
MTFAB 421	Metal Fabrication and Layout	1
WELD 400	Band Welding	2
Total Units		21

THEATRE: GENERAL & ACTING ACADEMY

Students completing our program should be fully prepared to move on to a more advanced level in post-secondary institution or in the workforce. Students learn skills necessary for jobs in the Theatre Arts field related to acting.

Associate in Arts (A.A.), Theatre: General (Plan Code: 1271)

This field of concentration is designed to provide students with an overall appreciation of theatre arts as well as an emphasis in acting and technical theatre. The Associate Degree will prepare students for auditions and careers in Theatre Management, Stage Management, Box Office Management, Wardrobe, Make-up Artists, Performance, Teaching, Apprenticeships, and more.

Program Student Learning Outcomes:

- Develop a basic knowledge and experience of live performance synthesizing lower-division level principles and theories of acting, production techniques, and creativity.
- Develop a respect for theatre as a means of personal, cultural, or social expression.

REQUIRED COURSES		UNITS
TART 1	Acting-1 Introduction to Acting	3.5
TART 25	Introduction to Theatre	3
TART 39AD	Theatre Practicum	1
TART 49AD	Rehearsal and Performance	2.5
TART 50	Major Production Performance	2.5
TART 51	Theatre Forum	1
Subtotal Units		13.5
Select a minimum of NINE (9) units from the following:		
TART 2	Acting 2- Technique & Characterization	3.5
TART 40	Stage Craft	3
TART 42	Introduction to Stage Lighting	3
TART 43	Introduction to Stage Costume	3
Subtotal Units		9-9.5
Select a minimum of FOUR (4) units from the following:		
TART 1B	Acting 1-Movement	2
TART 1C	Acting 1-Voice	2
TART 1D	Acting 1-Improvisation	2
Subtotal Units		4
Total Units in the Major		26.5-27

CHILDHOOD EDUCATION-EARLY CHILDHOOD EDUCATION

Certificate of Achievement, Early Childhood Education (Plan Code: 3302)

This field of concentration is designed for students preparing to work with infants, toddlers, preschool or school-age children in a group setting as an aide, teacher, master teacher, site supervisor, or center director.

Program Student Learning Outcomes:

- Design, implement, and evaluate environments and activities that support optimum developmental outcomes for young children.
- Demonstrate care and teaching practices for young children that integrate assessment, theory, and practice.
- Critically assess the components of linguistically and culturally relevant, inclusive, age appropriate, anti-bias approaches in promoting learning and development.

REQUIRED COURSES—Complete Levels 1, 2, 3 and 4 and choose ONE (1) Area of Focused Study, as listed in the A.A. major requirements.

Other Program Requirements for the A.A. and Certificates of Achievement:

For **STATE MINIMUM REQUIREMENTS** (Title 22): This program satisfies the State of California licensing requirement for employment in early childhood education programs (private, church, industrial, coop). The minimum Title 22 licensing requirement to work as a teacher is that six units be completed before employment and that an additional six units be completed immediately thereafter. It is recommended that the requirement for courses in DS 1* and DS 2* be satisfied with at least three semester units in each category. It is also recommended that a minimum of six semester units be taken in the DS 3* -Program/Curriculum with the option that if the person is working specifically with infants or school-age children that they should apply three units in DS 4* or DS 5* towards these six units. The DS designation can be found following the course title.

For **CHILD DEVELOPMENT PERMIT** - (formerly called Children's Center Permit) (Title 5): The Early Childhood Certificate program, plus 16 units in general education including one course in humanities, social sciences, mathematics, and/or science, and English, and an experience component, satisfies the requirements for a Teacher level Child Development Permit required to teach in subsidized early childhood education programs (State or Headstart preschool programs run by school districts). To apply for your state Child Development Permit call 562-938-4792 for an appointment.

COMPUTER SECURITY & NETWORKING

Certificate of Accomplishment, Cyber Security (Plan Code: 4106)

Students will learn the skills to investigate cyber-attacks or stop them before they even begin.

Program Student Learning Outcomes:

- Set up and construct a secure peer-to-peer and client server network
- Secure mobile devices and wireless networks.
- Examine general security concepts and communication security.
- Use forensic tools to extract digital evidence.
- Harden networks against reconnaissance and penetration.

REQUIRED COURSES		UNITS
COSN 10	Networking Fundamentals	4
COSS 200	Wireless and Mobile Devices	3
COSS 271	Network Security Fundamentals	3
COSS 272	Computer Forensics and Investigation	3
COSS 273	Ethical Hacking and Countermeasures	4
Total Units		17



LONG BEACH CITY COLLEGE

2017-2018 ASSOCIATE DEGREE (A.A./A.S.) GENERAL EDUCATION REQUIREMENTS

All information contained herein is subject to change without notice.

Since individual plans and circumstances vary, students should consult with a counselor before beginning a program of study to ensure the appropriate General Education pattern is followed.

PLAN
A
2017-18
(Rev: 06/28/17)

This general education plan is designed for students planning to obtain an Associate Degree. The general education requirements are only one component of the Associate Degree. Use this sheet in conjunction with the curriculum guide (located at <http://osca.lbcc.edu>) for your choice of major, and in consultation with a counselor.

Please note that completion of an A.A./A.S. degree does not automatically qualify a student to transfer. Students planning to transfer to a CSU or UC school should refer to the CSUGE-B or IGETC General Education Course Patterns (Plan B or Plan C at <http://osca.lbcc.edu/genedplan.cfm>) and consult with a counselor to determine the best general education pattern.

GRADUATION PROFICIENCY REQUIREMENTS

- | | | | |
|---|---|--|--|
| <p><input type="checkbox"/> MATHEMATICS: A qualifying score on the LBCC Assessment Test which places a student in MATH 37, 37H, 40, 45, STAT 1, 1H, or higher; or successful completion with a grade of "C", "P" or higher in a college math course at the level of MATH 120 or 130 or 130A or 140 or 125 or 115 or higher.</p> <p><input type="checkbox"/> READING: Satisfying this proficiency may be achieved by any one of the following:</p> <ul style="list-style-type: none"> • A qualifying score achieved through multiple LBCC assessment measures OR • Completion of READ 82 or 83 ("C", "P" or better) at LBCC (courses taken at other colleges may be individually reviewed for equivalency by the Reading Department Chair) OR • A Bachelor's Degree from an accredited college or university. <p><input type="checkbox"/> WRITING: Complete ENGL 1 or 1H with a grade of "C" or better.</p> | <p><input type="checkbox"/> INFORMATION COMPETENCY REQUIREMENT: Information Competency is the ability to find, evaluate, use and communicate information in all its various formats. It combines aspects of library literacy, research methods and technology proficiency.</p> <p>Students must complete ONE course from INFORMATION and ONE course from TECHNOLOGY (courses MUST be completed with a grade of "C" or better):</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> INFORMATION
complete one course from:
ENGL 1, 1H, 3, 3H
LIB 1, 3 </td> <td style="width: 50%; vertical-align: top;"> TECHNOLOGY
complete one course from:
COSA 1, 4, 5, 20, 25, 30, 35, 50
COSK 200 </td> </tr> </table> | INFORMATION
complete one course from:
ENGL 1, 1H, 3, 3H
LIB 1, 3 | TECHNOLOGY
complete one course from:
COSA 1, 4, 5, 20, 25, 30, 35, 50
COSK 200 |
| INFORMATION
complete one course from:
ENGL 1, 1H, 3, 3H
LIB 1, 3 | TECHNOLOGY
complete one course from:
COSA 1, 4, 5, 20, 25, 30, 35, 50
COSK 200 | | |

AREA REQUIREMENTS

Double-counting of courses listed in more than one area of the general education pattern is **NOT** allowed. For example, HIST 25 is listed in both the American History and Social Sciences requirement areas, but it may be used to satisfy only one of these requirements. However, courses listed in a requirement area may be used to satisfy graduation proficiencies (see above section).

ENGLISH COMPOSITION

One Class Required (3 units minimum)--choose from:
ENGL 1, 1H

_____	_____	_____
units	course	grade
course from: _____		

COMMUNICATION AND ANALYTICAL THINKING

One Class Required (3 units minimum)--choose from:

- | | |
|---|---|
| BCOM 15
COMM 10, 10H, 20, 25, 30, 60
COSA 2
COSP 8, 10
CS 11, 21
COUNS 2
ELECT 225 | ENGL 3, 3H, 4, 4H
LIB 3
MATH 27, 28, 37, 37H, 40, 45, 47, 50, 50H, 60, 60H, 70, 70H, 80, 84, 120, 130, 130A, 130B
PHIL 11, 12, 22
READ 82, 83, 84
STAT 1, 1H |
|---|---|

_____	_____	_____
units	course	grade
course from: _____		

NATURAL SCIENCES

One Class Required (3 units minimum)--choose from:

- | | |
|---|---|
| Physical Sciences:
ASTR 1, 1H, 1L
CHEM 1A, 1B, 2, 3, 4, 12A, 12B
ENVRS 1
GEOL 1, 1H, 2, 2F, 2L, 3, 3H, 4, 5, 7, 16, 17, 18
PGEOG 1, 1L, 2
PHYS 2A, 2B, 3A, 3B, 3C, 4 | Biological Sciences:
ANAT 1, 41
ANTHR 1, 1L, 1H, 11
BIO 1A, 1B, 2, 5, 11, 20, 20H, 22, 25, 28, 30, 31, 37, 41, 41H, 41L, 41LH, 60, 60L, 61
PHYSI 1 |
|---|---|

_____	_____	_____
units	course	grade
course from: _____		

SOCIAL SCIENCES

One Class Required (3 units minimum)--choose from:

- | | |
|--|--|
| ANTHR 2, 2H, 3, 3H
CDECE 45, 47
ECON 1, 1H, 2, 2H, 3, 4, 5
FD 32
GEOG 2, 5, 40, 48
HLED 10
HIST 1A, 1AH, 1B, 1BH, 2B, 2C, 2CH, 5A, 5B, 9A, 9B, 9C, 18, 25, 27A, 27B, 33, 48
(HIST 8A, 8B, 10, 11 may be taken for the A.S. degree) | POLSC 2, 2H, 4, 4H, 9, 10, 11
(POLSC 1, 1H, 3 may be taken for the A.S. degree)
PSYCH 1, 1H, 2, 4, 10, 11, 14, 33
PUBAD 1
SOCS 1, 1H, 7
SOCIO 1, 1H, 2, 11, 13, 40 |
|--|--|

_____	_____	_____
units	course	grade
course from: _____		

☛ Cross-listed courses. A cross-listed course is interdisciplinary and is the same course as its cross-listed counterparts. A cross-listed course CANNOT be used in more than one subject area:
CHEM 4 = PHYS 4: Survey of Chemistry and Physics
ECON 5 = GEOG 5: The Global Economy
HUMAN 1/1H = SOCS 1/1H: Comparative World Cultures/Honors CWC
HUMAN 3 = PHIL 3: Intro to Issues/Phil. Psych & Religion
HUMAN 7 = SOCS 7: American Pluralism and Identity
HLED 10 = PSYCH 10: Human Sexuality

AMERICAN HISTORY (not required for the A.S. Degree)

One Class Required (3 units minimum)--choose from:
HIST 8A, 8AH, 8B, 8BH, 10, 10H, 11, 11H, 25, 27A, 27B

Note: Effective Fall 2016, students are no longer required to take both 8A/8AH and 8B/8BH at LBCC. Students may now take either 8A/8AH or 8B/8BH to fulfill the history portion of the U.S. History, Constitution, and American Ideals requirements. (Retroactive to Fall 2011)

_____	_____	_____
units	course	grade
course from: _____		

POLITICAL SCIENCE (not required for the A.S. Degree)

One Class Required (3 units minimum)--choose from:
POLSC 1, 1H, 3

_____	_____	_____
units	course	grade
course from: _____		

HUMANITIES AND ARTS

One Class Required (3 units minimum)--choose from:

- ART 1, 1H, 2, 2H, 3, 3H, 4, 4H, 5, 9, 10, 11, 11H, 15, 23, 24, 26, 30, 31, 34, 35, 43, 50, 51, 60, 70, 71, 80
- CHIN 1, 2
- COMM 50
- CART 41
- DANCE 1, 19
- ENGL 2, 2H, 26, 32, 33, 33H, 35, 36, 37, 38, 39, 41, 42, 43A, 43B, 44, 44H, 45, 45H, 46, 47, 48, 48H, 49, 49H
- FILM 1, 2A, 2B, 10, 25
- FREN 1, 1C, 2, 2C, 3, 4, 25A
- GER 1, 2

- HUMAN 1⁶, 1H⁶, 7⁴
- ITAL 1, 2
- JAPAN 1, 2, 3, 4
- KHMER 9, 10
- LING 1, 3
- MUSIC 6, 28AD, 30A, 30B, 32, 33B, 35, 40, 40H, 89,
- PHIL 3⁴, 4, 5, 6, 6H, 7, 7H, 8, 9, 10, 14, 15, 16
- PHOTO 10
- R_TV 1
- SPAN 1, 2, 3, 4, 8, 9, 9H, 10, 10H, 25A, 25B, 25C, 25D
- TART 1, 25, 30
- VIET 1, 2

units _____ course _____ grade _____
course from: _____

Cross-listed courses. A cross-listed course is interdisciplinary and is the same course as its cross-listed counterparts. A cross-listed course CANNOT be used in more than one subject area:
 CHEM 4 = PHYS 4: Survey of Chemistry and Physics
 ECON 5 = GEOG 5: The Global Economy
 HUMAN 1/1H = SOCSC 1/1H: Comparative World Cultures/Honors CWC
 HUMAN 3 = PHIL 3: Intro to Issues/Phil, Psych & Religion
 HUMAN 7 = SOCSC 7: American Pluralism and Identity
 HLED 10 = PSYCH 10: Human Sexuality

PHYSICAL FITNESS/WELLNESS

Courses fulfilling Physical Fitness/Wellness provide content focused primarily on any of the following: physical activity, fitness, healthy eating, weight management, and stress management.

One UNIT Required--choose from:

- DANCE: 3, 5, 6, 8, 12A, 13, 14, 17, 18A, 18B, 20, 21, 26, 29, 31, 32, 33, 41/1, 41/2, 41/3, 41AD
- F_N: 26, 250, 255C, 255D, 256, 260, 261, 262
- HLED 21, 22, 24
- KINA: 1AD
- KING: 2, 2B, 10, 10B, 14, 14B, 55, 65, 65B, 66, 66B, 70, 70B, 74, 76, 84, 86, 90, 90B, 92, 92B, 94
- KINIA: 1AD, 2AD, 3AD, 4AD, 5AD, 7AD, 13AD, 15AD, 19AD, 21AD, 23AD, 27AD, 29AD, 33AD, 35AD, 37AD, 39AD, 41AD, 43AD, 45AD, 47AD,
- KINPF: 3, 4, 6, 8, 8B, 10, 10B, 12, 12B, 14, 17, 17B, 18, 18B, 21, 22, 22B, 23, 24, 42, 53, 54, 54B, 81, 84A, 84B
- KINPP: 7, 10, 12, 15, 17
- TART: 1B, 2C

units _____ course _____ grade _____
course from: _____

HEALTH EDUCATION

3 Units Minimum Required--choose from:

One class chosen from:
F_N 20
HLED 3, 4, 5

OR

- BIO 60 & 61 & PSYCH 1⁺ or
- ANAT 41 & DMI 60 & PSYCH 1⁺ or
- ANAT 1 & PHYSI 1 & PSYCH 1⁺

+--All courses grouped in boxes must be completed to satisfy the requirement.

units _____ course _____ grade _____
course from: _____
units _____ course _____ grade _____
course from: _____
units _____ course _____ grade _____
course from: _____

OTHER GRADUATION REQUIREMENTS

G.P.A. REQUIREMENTS

For Graduation: A minimum major, LBCC, and cumulative G.P.A. of 2.0 ("C" average) based on all grades from all colleges from which courses are applied to LBCC degree. Some fields may have additional G.P.A. requirements; check the appropriate curriculum guide.

CONTINUOUS ENROLLMENT

Continuous Enrollment is enrollment in and receiving a grade (A, B, C, D, F, P or NP) in at least one class per ACADEMIC YEAR (August to June) at LBCC or any other accredited higher education institution after being initially enrolled at LBCC. Students enrolled in non-credit courses may qualify for continuous enrollment if the course instructor has noted satisfactory progress in the class rollbook. For additional information, see Degrees and Programs section of the catalog.

COURSE TOTALS:

General Education Units Completed: +
 Field of Concentration (Major) Units Completed: +
 General Elective Units Completed: =
 Overall Total Units:
MUST EQUAL AT LEAST 60 units.

General Education Units Total must equal:
 25 units for the A.A.
 19 units for the A.S.

For Graduation: Complete a minimum of 60 AA/AS applicable units (LBCC courses numbered 1-599). Some fields of concentration may require more units--consult the appropriate curriculum guide (<http://osca.lbcc.edu>).

§Any course that appears on a curriculum guide and the General Education Pattern (Plan A) may fulfill both major and general education requirements (Approved by College Curriculum Committee Spring 2012 and applicable retroactively).

DEGREE RESIDENCY

Meet one of the following requirements:

- A) Minimum of 20 units within the last 30 units applied to the degree must be completed at LBCC
- OR
- B) at least 50% of the units required for a degree must be completed at LBCC.

$$\frac{\text{# of degree-applicable units completed at LBCC**}}{\text{# of Units Required (should be at least 60, actual total varies by major)}} \times 100 = \text{# of units completed at LBCC (MUST BE 50% or Greater)} \%$$

** Only LBCC courses numbered 1-599 are applicable to the degree.

FIELD OF CONCENTRATION (MAJOR) RESIDENCY

For the field of concentration (LBCC Major), 50% of the requirements as defined by the appropriate curriculum guide must be completed at LBCC.

$$\frac{\text{# of Major Units completed at LBCC}}{\text{# of Major Units Required}} \times 100 = \text{# of Major Units completed at LBCC (MUST BE 50% or Greater)} \%$$

APPLICATION FOR GRADUATION

To receive a degree you must complete and submit the Application for Graduation form to the Admissions and Records office during your final semester of course work. These forms are available in the Admissions and Records office or online at <http://admissions.lbcc.edu/>.

Refer to the Schedule of Classes (<http://schedule.lbcc.edu>) and click the "Important Dates" link to view the actual deadline for each semester.



LONG BEACH CITY COLLEGE
2017-2018 GENERAL EDUCATION REQUIREMENTS
CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION-BREADTH

PLAN
B
2017-18
 (Rev: 06/28/17)

All information contained herein is subject to change without notice.

Since individual plans and circumstances vary,
 students should consult with a counselor before beginning a program of study
 to ensure the appropriate General Education pattern is followed.

These requirements are designed for students planning to transfer to the California State University (CSU). Courses on this pattern are lower-division general education breadth requirements specific to the California State University System and used to obtain full or partial certification.

Students planning to transfer to the University of California should refer to the IGETC General Education Pattern (Plan C). Students planning to earn an associate degree and NOT transfer should follow Plan A. Both Plans A and C are accessible at <http://osca.lbcc.edu/genedplan.cfm>.

AREA REQUIREMENTS

Double-counting of courses listed in more than one area of this general education pattern is **NOT** allowed.

For example, PHIL 3 is listed in areas C2 (Humanities) and D (Social Sciences), but it may be used to satisfy only one of these requirements.

AREA A1: ORAL COMMUNICATION

Area A1--One Class Required (3 units minimum)--choose from:

COMM 10, 10H, 20, 30, 60

_____	_____	_____
units	course	grade
course from: _____		

AREA A2: WRITTEN COMMUNICATION

Area A2--One Class Required (3 units minimum)--choose from:

ENGL 1, 1H

_____	_____	_____
units	course	grade
course from: _____		

AREA A3: CRITICAL THINKING

Area A3--One Class Required (3 units minimum)--choose from:

COMM 60 READ 84
COSA 2
ENGL 3, 3H, 4, 4H
PHIL 11, 12, 22

_____	_____	_____
units	course	grade
course from: _____		

AREA B: SCIENTIFIC INQUIRY AREA B1: PHYSICAL SCIENCE
AREA B2: LIFE SCIENCE
AREA B3: LABORATORY ACTIVITY

Area B--Two Classes Required (6 units minimum)

◆--Indicates a lab course (Area B3).
 NOTE: One class in this area must include an associated laboratory (Area B3).

Area B1--Physical Sciences:

Complete 1 class
ASTR 1, 1H, 1L◆
CHEM 1A◆, 1B◆, 2◆, 3◆, 4◆◆
ENVR 1
GEOL 1◆, 1H◆, 2, 2F, 2L◆, 3◆, 3H◆, 4◆, 5, 7, 18
PGEOG 1, 1L◆, 2
PHYS 2A◆, 2B◆, 3A◆, 3B◆, 3C◆, 4◆◆

Area B2--Biological Sciences:

Complete 1 class
ANAT 1◆, 41◆
ANTHR 1, 1L◆, 1H, 11◆
BIO 1A◆, 1B◆, 2◆, 5◆, 11, 20◆, 20H◆, 22, 25, 30◆,
 41, 41H, 41L◆, 41LH◆, 60, 60L◆, 61
PHYSI 1◆

_____	_____	_____
B1 units	B1 course w/ lab? Y or N	B1 grade
course from: _____		
_____	_____	_____
B2 units	B2 course w/ lab? Y or N	B2 grade
course from: _____		

AREA B4: MATHEMATICS/QUANTITATIVE REASONING

Area B4--One Class Required (3 units minimum)--choose from:

MATH 27, 28, 37, 37H, 40, 45, 47, 50, 50H, 60, 60H, 70, 70H, 80, 84
STAT 1, 1H

_____	_____	_____
units	course	grade
course from: _____		

AREA C: ARTS & HUMANITIES

Area C--Three Classes Required (9 Units Minimum)

NOTE: Students must complete one class from both Areas C1 and C2 and a second course from either Area (for a total of 3 classes).

Area C1--Arts--choose from:

ART 1, 1H, 2, 2H, 3, 3H, 4, 4H, 5, 9, 10,
 11, 11H, 30, 31, 80
COMM 50
CART 41
DANCE 1, 19
FILM 1, 2A, 2B, 10
MUSIC 6, 30A, 30B, 32, 33B, 35, 40, 40H, 89
PHOTO 10
R-TV 1
TART 1, 25, 30

Area C2--Humanities--choose from:

CHIN 1, 2
ENGL 2, 2H, 26, 32, 33, 33H, 35, 36, 37, 38, 39, 41,
 42, 43A, 43B, 44, 44H, 45, 45H, 46, 47, 48, 48H, 49, 49H
FREN 1, 2, 3, 4, 25A
GER 1, 2
HIST 1A, 1AH, 1B, 1BH, 2B, 2C, 2CH, 5A, 5B,
 8A, 8AH, 8B, 8BH, 9A, 9B, 9C, 10, 10H, 11,
 11H, 18, 25, 27A, 27B, 33
HUMAN 1◆, 1H◆, 7◆
ITAL 1, 2
JAPAN 1, 2, 3, 4
KHMER 9, 10
LING 1, 3
PHIL 3◆, 4, 5, 6, 6H, 7, 7H, 8, 9, 10, 14, 15, 16
SOCSC 1◆, 1H◆, 7◆
SPAN 1, 2, 3, 4, 9, 9H, 10, 10H, 25A, 25B, 25C, 25D
VIET 1, 2

_____	_____	_____
C1 units	C1 course	C1 grade
course from: _____		
_____	_____	_____
C2 units	C2 course	C2 grade
course from: _____		
_____	_____	_____
units	third course	grade
course from: _____		

AREA D: SOCIAL SCIENCES

Area D--Three Classes Required (9 units minimum)

Area D--Students must take courses from at least 2 different disciplines

- | | |
|---|--|
| ANTHR 2, 2H, 3, 3H, 10
CDECE 45
COMM 25
ECON 1, 1H, 2, 2H, 3, 4, 5 [†]
GEOG 2, 5 [†] , 40
HIST 1A, 1AH, 1B, 1BH, 2B, 2C, 2CH, 5A,
5B, 8A, 8AH, 8B, 8BH, 9A, 9B, 9C, 18, 25,
27A, 27B, 33 | HUMAN 1 [†] , 1H [†] , 7 [†] ;
PHIL 3 [†] , 10, 15, 16
POLSC 1, 1H, 2, 2H, 3, 4, 4H, 9, 10, 11
PSYCH 1, 1H, 11, 14, 33
PUBAD 1
SOCS 1 [†] , 1H [†] , 7 [†]
SOCIO 1, 1H, 2, 11, 13, 40 |
|---|--|

Note: Effective Fall 2016, Area D (Social Sciences) will no longer be categorized by sections D1- D0

units	course	grade
course from: _____		
units	course	grade
course from: _____		
units	course	grade
course from: _____		

AREA E: LIFELONG LEARNING & SELF-DEVELOPMENT

3 Units Minimum Required--choose from:

- Complete One class from:
- CDECE 45, 47 PSYCH 4, 10
 COUNS 2, 7
 F. N 20
 GBUS 10
 HLED 3, 4, 5, 10[†]
 KINPP 1, 4
 LEARN: 11, 11H

- OR Complete one of the following:
 (KINPP 12 & 1 unit KIN Activity)⁺

+--All courses grouped together must be completed to satisfy the requirement.

Check the approved CSU GE-Breadth Certification Area E course list on the ASSIST web site (www.assist.org) to determine which Kinesiology Activity courses satisfy this requirement.

units	course	grade
course from: _____		
units	course	grade
course from: _____		

CSU U.S. HISTORY, CONSTITUTION, and AMERICAN IDEALS GRADUATION REQUIREMENT

CSU Graduation Requirement

Complete both the History and Political Science sections below:

Students may complete this requirement after transfer to a CSU.

History: 3 Units Minimum Required--choose from: HIST 8A, 8AH, 8B, 8BH, 10, 10H, 11, 11H Political Science: 3 Units Minimum Required--choose from: POLSC 1, 1H

Notes: 1) Effective Fall 2016, students are no longer required to take both 8A/8AH and 8B/8BH at LBCC. Students may now take either 8A/8AH or 8B/8BH to meet the History portion of the U.S. History, Constitution, and American Ideals Graduation requirement. (Retroactive to Fall 2004). 2) HIST 8A, 8AH, 8B, 8BH, 10, 10H, 11, 11H, POLSC 1, 1H may be used for GE and the U.S. History, Constitution and American Ideals requirement (Retroactive to Fall 2011).

units	course	grade
course from: _____		
units	course	grade
course from: _____		
units	course	grade
course from: _____		

ADDITIONAL INFORMATION

ADMISSIONS

Effective Fall 2005, the CSU requires completion of a minimum of 60 transferable units for junior standing for students not eligible for admission to CSU from high school. LBCC courses numbered 1-99 will transfer to all CSU campuses.

As part of the 60 units, 30 units of General Education must be completed, including the Golden Four (Areas A1, A2, A3, and B4). The Golden Four must be completed with a grade of "C"/"P" or better for admissions purposes.

A maximum of 70 transferable semester units earned at a California community college will be accepted by a CSU toward a Bachelor's Degree.

Generally, a 2.0 overall G.P.A. in CSU transferable units (LBCC courses numbered 1-99) is the required minimum. Certain impacted/popular majors and universities may require a higher G.P.A. (See a LBCC counselor for more information.)

The on-line application for CSU is located at www.calstate.edu/apply.

Priority Application Filing Periods:

- Fall Quarter/Semester: October 1 - November 30
 Winter Quarter/Semester: June 1 - 30
 Spring Quarter/Semester: August 1 - 31
 Summer Quarter: February 1 - 28

Check with counselor for open filing periods

CERTIFICATION

Certification is the process whereby Long Beach City College approves lower-division general education course work for CSU transfer. Only courses taken from approved lists are eligible for certification for CSU GE-Breadth. When a transcript is certified by LBCC, it is marked to indicate that the lower-division general education requirements for CSU have been met. Completion of the full 39 unit pattern is recommended. With permission of the CSU, students may transfer to a CSU and return to LBCC to complete classes for certification. Students must see a counselor to use non-LBCC courses on this plan.

Certification requirements:

--A minimum of 12 General Education Units must be completed in residence at LBCC in order to qualify for certification.

The following requirements, known as "The Golden Four," each must be completed:

- Area A1 Completed
- Area A2 Completed
- Area A3 Completed
- Area B4 Completed

LEGEND

+ All courses grouped in parentheses "(+)" must be completed to satisfy the requirement.

◆ Denotes laboratory classes.

◀ Cross-listed courses. A cross-listed course is interdisciplinary and is the same course as its cross-listed counterpart. A cross-listed course CANNOT be used in more than one discipline NOR can it be used to certify more than one area on Plan B:

- CHEM 4 = PHYS 4: Survey of Chemistry and Physics
- ECON 5 = GEOG 5: The Global Economy
- HUMAN 1/1H = SOCS 1/1H: Comparative World Cultures/Honors CWC
- HUMAN 3 = PHIL 3: Intro to Issues/Phil, Psych & Religion
- HUMAN 7 = SOCS 7: American Pluralism and Identity
- HLED 10 = PSYCH 10: Human Sexuality



LONG BEACH CITY COLLEGE
2017-2018 GENERAL EDUCATION REQUIREMENTS
INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)

PLAN
C
2017-18
 (Rev: 06/28/17)

All information contained herein is subject to change without notice.

Since individual plans and circumstances vary, students should consult with a counselor before beginning a program of study to ensure the appropriate General Education pattern is followed.

These requirements are designed for students planning to transfer to the University of California (UC) system or the California State University (CSU) system. Courses on this pattern are lower-division general education requirements unique to IGETC and established by the UC and CSU. Students MUST meet with an LBCC counselor to initiate and complete the IGETC Certification process.

Students who wish to complete an Associate Degree and do not plan to transfer should NOT follow this plan.

A GRADE OF "C" OR BETTER IS REQUIRED IN EACH COURSE

AREA REQUIREMENTS

Double-counting of courses listed in more than one area of this general education pattern is **NOT** allowed.
 For example, PHIL 3 is listed in areas 3B (Humanities) and 4 (Social Sciences), but it may be used to satisfy only one of these requirements.

AREA 1A: ENGLISH COMPOSITION

Area 1A--One Class Required (3 units minimum)--choose from:

ENGL 1, 1H

_____	_____	_____
units	course	grade
course from: _____		

AREA 1B: CRITICAL THINKING AND COMPOSITION

Area 1B--One Class Required (3 units minimum)--choose from:

ENGL 3, 3H, 4, 4H

_____	_____	_____
units	course	grade
course from: _____		

AREA 1C: ORAL COMMUNICATION (Required by CSU Only)

Area 1C--One Class Required (3 units minimum)--choose from:

NOTE: This area required by CSU only.

COMM 10, 10H, 30, 60

_____	_____	_____
units	course	grade
course from: _____		

AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

Area 2--One Class Required (3 units minimum)--choose from:

MATH 37*, 37H*, 45*, 47*, 50*, 50H*, 60*, 60H*, 70*, 70H*, 80*, 84*
STAT 1, 1H

_____	_____	_____
units	course	grade
course from: _____		

AREA 3: ARTS AND HUMANITIES

Area 3--Three Classes Required (9 units minimum)

NOTE: Students must complete one class from both the Arts and Humanities lists and a second course from either list (for a total of 3 classes).

Area 3A--Arts--One Class Minimum required--choose from:

ART 1, 1H, 2, 2H, 3, 3H, 4, 4H, 5, 5H, 10, 11, 11H
CART 41
DANCE 1, 19
FILM 1, 2A, 2B, 10
MUSIC 30A, 30B, 32, 33B, 35, 40, 40H, 89
PHOTO 10
TART 25, 30

Area 3B--Humanities--One Class Minimum required--choose from:

ENGL 32, 33, 33H, 35, 36, 37, 38, 39, 41, 42, 43A, 43B, 44, 44H, 45, 45H, 46, 47, 48, 48H, 49*, 49H*
FREN 3, 4, 25A
HIST 1A, 1AH, 1B, 1BH, 2B, 2C, 2CH, 5A, 5B, 8A, 8AH, 8B, 8BH, 9A, 9B, 9C, 10*, 10H*, 11*, 11H*
18, 25, 27A, 27B, 33
HUMAN 1[¶], 1H[¶], 7[¶]
JAPAN 3, 4
KHMER 9, 10
LING 1, 3
PHIL 3[¶], 4, 5, 6, 6H, 7, 7H, 8, 9, 10, 14, 15, 16
SOCS 1[¶], 1H[¶], 7[¶]
SPAN 3*, 4*, 9*, 9H*, 10*, 10H*, 25A, 25B, 25C, 25D

_____	_____	_____
units	course	grade
course from: _____		

_____	_____	_____
units	course	grade
course from: _____		

_____	_____	_____
units	third course	grade
course from: _____		

AREA 4: SOCIAL AND BEHAVIORAL SCIENCES

Area 4--Three Classes Required (9 units minimum)--choose from:

Students must take courses from at least 2 different disciplines.

ANTHR 2, 2H, 3, 3H, 10
COMM 25
ECON 1, 1H, 2, 2H, 3, 4, 5 *[¶]
GEOG 2, 5*[¶], 40
HUMAN 1[¶], 1H[¶], 7[¶]

PHIL 3[¶], 10, 15, 16
POLSC 1, 1H, 2, 2H, 3, 4, 4H, 9, 10, 11
PSYCH 1, 1H, 11, 14
SOCIO 1, 1H, 2, 11, 13, 40
SOCS 1[¶], 1H[¶], 7[¶]

_____	_____	_____
units	course	grade
course from: _____		

_____	_____	_____
units	course	grade
course from: _____		

_____	_____	_____
units	course	grade
course from: _____		

AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES

Area 5--Two Classes Required (7 units minimum)

◆--Denotes Laboratory Classes.
NOTE: One class in this area must include an associated laboratory component (Area 5C).

Area 5A--Physical Sciences: One Class Required (3 units minimum)

- ASTR 1, 1H, 1L♦
- CHEM 1A♦, 1B♦, 2♦, 3♦, 4♦♦
- GEOL 1♦♦, 1H♦♦, 2♦, 2L♦, 3♦, 3H♦, 5, 18
- PGEOG 1, 1L♦, 2
- PHYS 2A♦♦, 2B♦♦, 3A♦♦, 3B♦♦, 3C♦♦, 4♦♦

Area 5B--Biological Sciences: One Class Required (3 units minimum)

- ANAT 1♦♦, 41♦♦
- ANTHR 1, 1L♦, 1H, 11♦
- BIO 1A♦, 1B♦, 2♦, 5♦♦, 20♦, 20H♦, 30♦♦, 41♦, 41H♦, 41L♦♦, 41LH♦♦, 60♦, 60L♦♦, 61♦
- PHYSI 1♦♦

units	course w/ lab? Y or N	grade
_____	_____	_____
course from: _____		
_____	_____	_____
course from: _____		

AREA 6: LANGUAGE OTHER THAN ENGLISH PROFICIENCY (Required by UC Only)

Area 6--Language Other Than English (required by UC only).
Proficiency equivalent to two years of high school study in the same language.
This requirement may be met by any ONE of the following options:

- Completion of two years of foreign language in high school with a grade of "C" or better. (OR)
- Performance on foreign language proficiency tests administered at a campus of the UC. (OR)
- Earn a score of 550 on an appropriate College Board Achievement Test. (OR)
- Satisfactory score, 3 or higher, on the College Board Advanced Placement examinations in languages other than English. (OR)
- Satisfactory score, 5 or higher on the International Baccalaureate Higher Level Examinations in languages other than English.

- Completion of a second or more advanced level of foreign language course offered at LBCC, chosen from:
CHIN 2
FREN 2, 3, 4
GER 2
ITAL 2
JAPAN 2, 3, 4
KHMER 9, 10
SIGN 1B, 2A, 2B
SPAN 2, 3, 4, 9, 9H, 10, 10H

units	course	grade
_____	_____	_____
course from: _____		

AREA 7: CSU U.S. HISTORY, CONSTITUTION and AMERICAN IDEALS GRADUATION REQUIREMENTS (Required by CSU Only)

CSU Graduation Requirement
Complete both the History and Political Science sections below:
Only courses completed at LBCC may be used to certify this requirement.

Students may complete this requirement after transferring to a CSU.

History: 3 Units Minimum Required--choose from: HIST 8A, 8AH, 8B, 8BH, 10, 10H, 11, 11H
Political Science: 3 Units Minimum Required--choose from: POLSC 1, 1H

units	course	grade
_____	_____	_____
course from: _____		
_____	_____	_____
course from: _____		

ADDITIONAL INFORMATION

UC ADMISSIONS

Minimum admission requirements include:

- at least 60 transferable units.
- at least a 2.4 G.P.A. in transferable units.

UC transferable units are noted in the LBCC Catalog and Schedule of Classes. This information is also available on ASSIST.org, at www.assist.org.

Some majors require a higher G.P.A. for admission. See application and major requirements for more information. The online app for the UC: <http://admissions.universityofcalifornia.edu>. Only 14 UC transferable units may be completed on a P/NP basis.

A maximum of 70 transferable semester units earned at California Community Colleges will be accepted by the UC system toward a degree.

UC Priority Application Filing Periods:

- Fall Quarter/Semester: November 1 - 30
- Winter Quarter: July 1 - 31
- Spring Quarter: October 1 - 31 (except Berkeley)
- Spring Semester-UC Merced: July 1 - 31

Check with counselor for open filing periods

CSU ADMISSIONS

Minimum admission requirements include:

- at least 60 transferable units.
- at least a 2.0 G.P.A. in transferable units.

CSU transferable units are LBCC courses numbered 1-99.

Certain impacted/popular majors and universities may require a higher G.P.A. (See university admissions websites or www.calstate.edu/apply for more information.)

A maximum of 70 transferable semester units earned at California Community Colleges will be accepted by a CSU toward a Bachelor's degree.

CSU Priority Application Filing Periods:

- Fall Quarter/Semester: October 1 - November 30
- Winter Quarter/Semester: June 1 - 30
- Spring Quarter/Semester: August 1 - 30
- Summer Quarter: February 1 - 28

Check with counselor for open filing periods

IGETC CERTIFICATION

Certification is the process whereby Long Beach City College approves lower-division general education course work for CSU or UC transfer. Only courses taken from approved lists are eligible for certification for IGETC.

To use the IGETC, all courses must be completed at an accredited community college or university prior to transfer. This means that courses may be transferred from one community college or university to another and may be used for certification. Students who begin their college work at any UC may NOT use the IGETC for transfer back to the same UC.

A grade of "C" or better is required in each class.

LEGEND

◆ Denotes laboratory classes.

* Indicates course limitations may exist. For an explanation of limitation, please refer to the UC Transfer Course Agreement, which is available on the ASSIST web site at www.assist.org

☛ **Cross-listed courses.** A cross-listed course is interdisciplinary and is the same course as its cross-listed counterpart. A cross-listed course CANNOT be used in more than one discipline NOR can it be used to certify more than one area on Plan C:

- CHEM 4 = PHYS 4: Survey of Chemistry and Physics
- ECON 5 = GEOG 5: The Global Economy
- HUMAN 1/1H = SOCS 1/1H: Comparative World Cultures/Honors CWC
- HUMAN 3 = PHIL 3: Intro to Issues/Phil, Psych & Religion
- HUMAN 7 = SOCS 7: American Pluralism and Identity
- HLED 10 = PSYCH 10: Human Sexuality

☛ Notes: **1)** Effective Fall 2016, students are no longer required to take both 8A/8AH and 8B/8BH at LBCC. Students may now take either 8A/8AH or 8B/8BH to fulfill the History portion of the U.S. History, Constitution, and American Ideals Requirement (Retroactive to Fall 2004). **2)** HIST 8A, HIST 8AH, 8B, 8BH, 10, 10H, 11, 11H, POLSC 1, 1H may be used for GE and the CSU U.S. History, Constitution and American Ideals requirement (Retroactive to Fall 2011).

2017-2018 IGETC (Plan C): Published: June 2017
Long Beach City College Office of School and College Articulation.
All information contained herein is subject to change without notice.