LOS ANGELES HARBOR COLLEGE 2023-2025 CATALOG ADDENDUM

This addendum contains updates to existing courses and programs, as well as any new courses or programs that were approved after the publication of the 2023-2025 Catalog.

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NEW COURSES

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- 3.0, Letter, 2 lec, 3 lab,
- DA, CSU

This course exposes students to the process and production in animation and related industries. Topics covered include preproduction and production, as well as project management from concept to completion including scheduling, budget management, and team building.

*Effective Fall 2024

ANIMATN 225: Three-Dimensional Character Animation
- 3.0, Letter, 2 lec, 4 lab,
- DA, CSU
- Prerequisite: ANIMATN 221

This course explores 3-D character animation, focusing on the 12 principles of traditional animation with emphasis on timing, weight, and performance. In addition, students are introduced to rigging a character using a skeleton, morph targets to create facial expressions, lip sync, and other animation techniques uniquely relevant to 3-D character animation including changes in translation, scale, and rotation through space in time as well as learning camera control and lighting techniques.

*Effective Fall 2024

ANIMATN 227: Three-Dimensional Animation Project
- 3.0, Letter, 2 lec, 4 lab,
- DA, CSU
- Prerequisite: ANIMATN 221

This course concentrates on using advanced 3-D techniques to create, design and produce an animated 3-D project from concept to final edit. With the supervision of the instructor, students design, model, animate, render, and composite a project suitable for their portfolio while learning pre-production, production, and post-production pipelines and methods.

*Effective Fall 2024

ART 634: Computer Graphics I: 3D Computer Graphics
- 3.0, Letter, 2 lec, 2 lab,
- DA, CSU, UC
- Prerequisite: ART 501

Students explore three-dimensional digital design techniques, concepts and applications employed as tools in the creation of games and animation. Students focus on three-dimensional modeling and rendering techniques in the creation of objects and environments for graphics and multimedia.

*Effective Fall 2024

ART 636: Computer Graphics 2: 3D Computer Graphics
- 3.0, Letter, 2 lec, 2 lab,
- DA, CSU, UC
- Prerequisite: ART 634

Students create detailed three-dimensional objects and animations for games and animation projects; create advanced 3D models and textures; and render animated projects with advanced lighting, textures, and camera techniques. Introduces character rigging and concepts in character animation and motion capture.

*Effective Fall 2024

BUS 015: Business Statistics
- 3 units, Letter, 3 lec, DE
- DA, CSU, UC, LACCDGE D2, CSU GE B4
- Prerequisite: Intermediate Algebra, the equivalent or higher, completed at the secondary or post-secondary level or eligibility to enroll in transfer-level math/statistics.

This course provides a comprehensive overview of business statistics, focusing on key areas such as descriptive statistics, probability, sampling distributions, and statistical inference. With an emphasis on business applications, students will explore correlation and linear regression, analysis of variance, and both chi-square and t-tests. Special attention is given to probability techniques and hypothesis testing as tools for business decision-making. The course will extensively use real-world data from diverse business sectors including finance, operations, compliance, and marketing.

*Effective Fall 2024

CHEM 051: Fundamentals of Chemistry I
- 5 units, Letter, 4 lec/3 lab, DE
- DA, CSU/UC, LACCDGE A, CSU GE B1 + B3
- Conditions of Enrollment: Completion of intermediate algebra or the equivalent

This is an introductory course designed for nursing and Allied Health students, who do not take Chemistry 101, yet need a physical science course with laboratory. This course covers, in an introductory manner, the basic principles, laws, and nomenclature of inorganic chemistry, organic chemistry, and biochemistry.

*Effective Fall 2024

CHICANO 033: Introduction to Central American Studies
- 3 units, Letter, 3 lec
- DA, CSU/UC, LACCDGE B2, IGETC 4, CSU GE D

This course familiarizes students with the rich heritage of Central America and the social, economic, political and cultural foundations of the region. It explores the diversity of issues informed by race, gender, ethnicity, the environments and social classes in the Central American community in Latin and the United States.

*Effective: Fall 2024

CLN ART 109: Principles of Catering
- 4 units, Letter, 2.5 lec/4.5 lab
- DA, CSU
- Prerequisite: CLN ART 133

The study of catering sales and operations, including "hands on" practicum and interpersonal dynamics from production through a catering service. Topics covered include the preparation of a menu, estimating cost and food quantities, planning the room arrangement, the setup of buffet and service tables, and the performance of services. In addition, the allocation of time to prepare, transport, and setup the equipment and food for a catered event are studied.

*Effective Summer 2024

NEW COURSES *(CONTINUE)*

CLN ART 150: Work Experience – Culinary Arts I
- 2.0 units, Letter, 1 lec/3 lab
- DA, CSU
- Prerequisite: CLN ART 109

Students are expected to engage in 2 hours per week of learning activities outside of the scheduled contact hours.

Provides supervised internship experience within the Los Angeles Harbor College Culinary Arts Program. Internship provides students with hands-on training and experience in, working on the line, Cafeteria, customer service, catering, special events and prepares them for their externship experience. Students learn skills required for commercial, restaurant and hotel establishments.

*Effective: Summer 2024

CLN ART 155: Work Experience – Culinary Arts II
- 2.0 units, Letter, 6 lab
- DA, CSU
- Prerequisite: CLN ART 150

Provides supervised externship opportunity within a selected outside restaurant, hotel or food service establishment who supports the Culinary Arts program at Los Angeles Harbor College. This is a supervised fieldwork experience in the industry and gives hands-on training in food service, catering, fine dining, commercial service, hotel and restaurant establishments. Students learn skills required for job competence.

*Effective: Summer 2024

CLN ART 500: Culinary Team Competition
- 3.0 units, Letter, 2 lec/4 lab
- DA, CSU
- Course can be repeated up to 3 times

Provides skills and techniques for food preparation in culinary and baking competitions based on American Culinary Federation competencies and table scaping. Students will participate in weekly and bi-weekly practice sessions and ultimately compete in an internal competition where team members will be selected by coaches. This course covers time management, protein fabrication, plate presentation, knife skills, composed plated desserts components and table setting. They will learn world cuisines, food trends, kitchen organization, sanitation and safety, nutrition, basic culinary terminology, ingredient functions, and table centerpieces. This course offers preparation for local and regional competitions.

*Effective: Summer 2024

COOP ED 195: Work Experience – General I
- 1 unit, Letter, 1 lec,
- DA, CSU

This course grants college credit for supervised employment intended to assist students in acquiring desirable work habits, attitudes and career awareness. Topics include preparing for the changing job market, writing applications and resumes, communication skills, and awareness of on-the-job relations with other employees, supervisors, and the general public. Students must work 75 paid or 60 volunteer hours during the semester to earn 1 unit.

Effective: Summer 2024

COOP ED 295: Work Experience – General I
- 2 units, Letter, 2 lec,
- DA, CSU

This course grants college credit for supervised employment intended to assist students in acquiring desirable work habits, attitudes and career awareness. Topics include preparing for the changing job market, writing applications and resumes, communication skills, and awareness of on-the-job relations with other employees, supervisors, and the general public. Students must work 150 paid or 120 volunteer hours during the semester to earn 2 units.

*Effective: Summer 2024

COOP ED 395: Work Experience – General I
- 3 units, Letter, 3 lec,
- DA, CSU

This course grants college credit for supervised employment intended to assist students in acquiring desirable work habits, attitudes and career awareness. Topics include preparing for the changing job market, writing applications and resumes, communication skills, and awareness of on-the-job relations with other employees, supervisors, and the general public. Students must work 225 paid hours or 180 volunteer hours during the semester to earn 3 units.

*Effective: Summer 2024

ENG GEN 101: Introduction to Science, Engineering and Technology
- 2 units, Letter, 1 lec/2 lab
- DA, CSU, UC, C-ID ENGR 110

Students learn about the engineering method and strategies for academic and career success in engineering. Students are introduced to mechanical, civil, electrical, and computer systems engineering through project work. The vast range disciplines and opportunities in engineering are presented. Students are allowed to work collaboratively on some course assignments and in-class design projects. Only basic mathematics skills are required.

*Effective: Summer 2024

ENG GEN 131: Statics
- **3 units, Letter, 2 lec/3 lab**
- **DA, CSU/UC, C-ID ENGR 130**
- **Prerequisite: MATH 266 and PHYSICS 037**

Course covers vector analysis in one, two and three dimensions. Solution of problems involving forces and moments applied to bodies in static equilibrium. Determine centroids, areas, volumes and moments of inertia. Course includes analysis of forces acting on trusses, frames, and machines. Analytic and graphic solutions are used including diffusion or atom and ion movements in materials, and mechanical properties and fracture including train hardening and annealing. An illustration of the materials' fundamental differences and their application in engineering is also covered.

*Effective: Fall 2024

NEW COURSES *(CONTINUE)*

ENG GEN 151: Materials of Engineering
- **3 units, Letter, 3 lec**
- **DA, CSU/UC**
- **Prerequisite: CHEM 101 and PHYSICS 037**

This course is an introduction to materials science and engineering and different types of materials used in engineering design, emphasizing the relationships between structure, properties, and processing. Topics include: Atomic structure and bonding, atomic and ionic arrangements and imperfections, crystalline structures, metals, polymers, ceramics, composites including diffusion or atom and ion movements in materials, and mechanical properties and fracture including strain hardening and annealing. An illustration of the materials' fundamental differences and their application in engineering is also covered.

*Effective: Fall 2024

ENG GEN 220: Electrical Circuits I
- 4 units, Letter, 3 lec/3 lab
- DA, CSU/UC
- Prerequisite: MATH 267 and PHYSICS 038
- Corequisite: MATH 275

This course covers electric circuit analysis in time and frequency domains, transient, and steady state solutions. Topics include linear circuit analysis techniques, Kirchhoff's Laws, Network Theorems, mesh and nodal analysis, OP amps and amplifiers, Thevenin/Norton equivalent circuits, natural-force-complete response of RLC circuits, AC circuits, phasors, three phase power, and frequency response and resonance. The laboratory includes experimental verification of the laws of AC and DC circuits, Kirchhoff's laws, and Thevenin's theorem using instruments such as multimeter oscilloscopes, and signal generators.

*Effective: Fall 2024

ENG GEN 241: Strength of Materials
- 3 units, Letter, 2 lec/3 lab
- DA, CSU/UC, C-ID ENGR 240 (Effective Spring 2024)
- Prerequisite: ENG GEN 131

Plane stress-strain, axial, torsional, bending and shear stresses are studied, including combined loads, Mohr's circle, principal stresses and strains, and pressure vessels. Generalized Hooke's Law, material properties, allowable stresses, factor of safety, statically indeterminate members, shear and moment diagrams; moment-area, and slope by double integration, singularity functions, superposition, moment-area, and Castigliano methods are also studied. Topics include thermal expansion, indeterminate forms and column buckling.

*Effective: Fall 2024

EGD TEK 101: Engineering Graphics
- 3 units, Letter, 2 lec/2 lab
- DA, CSU/UC
- Advisory: MATH 240 or MATH 241 or MATH 241S

This introductory course covers the fundamentals of technical drawing and an introduction to computer-aided design (CAD) with a focus on mechanical applications. Topics include the development of visualization and technical sketching skills in conjunction with orthographic projections; dimensioning and tolerancing practices, including an introduction to geometric dimensioning and tolerancing (GD&T); and descriptive geometry with applications to engineering. Lab work includes hand sketching and the use of two- and three-dimensional CAD systems. Students use one or more CAD software packages to draft and model various objects. The use of CAD software is an integral part of the course.

*Effective: Fall 2024

ENGLISH 032: College Literary Magazine Editing
- 2 units, Letter, 1 lec/2 lab
- DA, CSU
- Advisory: English 101 or 101X or 101Y or 101Z or E.S.L 110

This course presents ways to evaluate and edit poetry, prose, and drama submitted for publication in the campus literary magazine.

*Effective: Fall 2024

ENGLISH 212: Poetry
- 3 units, Letter, 3 lec
- DA, CSU/UC
- Prerequisite: English 101 or 101X or 101Y or 101Z or E.S.L 110

Students study works by selected poets and background for appreciation of the poetic form, including early verses to 20th and 21st centuries' poetry. This course is a study of selected American, British, and continental poems. This course is designed to increase the student's understanding and appreciation of poetic forms and their historical development. Critical reading and writing are stressed.

*Effective: Fall 2024

GAD 101: Introduction to Game Design
- 3.0, Letter, 2 lec, 2 lab,
- DA, CSU, UC

This course is an introduction to the theory and process of designing games. Students will critically explore the historical, cultural, economic, and social aspects of the concepts and techniques used in the design of games. Students discover what the components of games are, and what parts of games are influenced by their design. Students learn several ways to approach the design of a game, including processes and best practices for prototyping, playtesting and balancing a game after it has been designed.

*Effective Fall 2024

GAD 102: Concept Design and Visual Development
- 3.0, Letter, 2 lec, 2 lab,
- DA, CSU, UC
- Advisory: ART 201

Students develop foundation skills for illustration and concept design by creating characters, props, and environments as used in the video game and animation industries. There will be a focus on creating thumbnail and final illustrations, composition, value studies, perspective and digital painting techniques for a concept design workflow.

*Effective Fall 2024

NEW COURSES *(CONTINUE)*

GAD 103: Game Technologies and Game Engines
- 3.0, Letter, 2 lec, 2 lab,
- DA, CSU, UC

This course is an introduction to the fundamental concepts and vocabulary of computer game tools and techniques. Students will employ a variety of digital tools with a focus on Unreal Engine to create playable environments. Included are topics such as introduction to game editors, 3D asset creation and management, and foundation skills in creating playable content.

*Effective Fall 2024

GAD 104: Level and Environment Design
- 3.0, Letter, 2 lec, 2 lab,
- DA, CSU, UC

Students develop skills in the process of creating environments and level designs for playable media. Students design and construct living environments that include climate, habitat and ambiance that reflect a level design document.

*Effective Fall 2024

GAD 210-1: Production Studio I
- 2.0, Letter, 4 lab,
- DA, CSU, UC

Students explore the initial process and production in game design and related industries by working in groups on projects. Students closely simulate the roles, responsibilities, and demands of a professional work environment such as animation studios, visual effects houses and game design companies. Students work on projects such as animated shorts, interactive content, and video games.
*Effective Fall 2024

HOSPT 136: Event Management
- 3.0, Letter, 3 lec,
- DA, CSU
- Prerequisite: CLN ART 109

Students will learn about the event and program planning processes as they relate to the delivery of business-related services, catering services, and social and leisure experiences. Students will develop essential skills required to research, plan, schedule, organize, and market events and programs for a variety of service recipients and settings. Students will learn about participant engagement and needs assessment and will receive an overview of cultural and economic trends.

*Effective Fall 2024

KIN MAJ 109: Women in Sport
- 3 units, Letter, 3 lec
- DA, CSU, UC

This course provides students with a chronological history, analysis and interpretation of people, events, and issues that affect women in sports. Physiological, sociological, and psychological aspects of female athletes, as related to all areas of sports, are covered. Students gain an understanding of the significant events of women in athletics from the past to the present and how their significance determines the future of women in sports.

*Effective: Fall 2024

KIN MAJ 111: Diversity & Equity in Sport
- 3 units, Letter, 3 lec
- DA, CSU, UC

This course provides students with foundational knowledge of diversity, equity, and inclusion within sports organizations. Topics include forms of diversity that affect the sport industry, including disability, social class and economic status, ethnicity and race, political affiliation and influence, age, gender, and gender identity, and religion. Discussions include assessing organizational climate, planning, strategically, implementing best practices, and using sport as a platform for social change.

*Effective: Fall 2024

MATH 173: Object-Oriented Programming and Design
- 4 units, Letter, 3 lec, 2 lab, DE
- DA, CSU/UC
- Prerequisite: MATH 260

This course covers major programming concepts including theory, applications, and object-oriented programming, primarily in C++. Variables and basic data types, operators, bitwise arithmetic, control structures, input and output, arrays, multidimensional arrays, strings, an introduction to the Standard Template Library, functions, an introduction to recursion, structures, pointers, references, dynamic memory management, file handling, casting operators, namespaces, operator overloading, preprocessor directives, and exception handling are discussed in detail. Classes and object-oriented programming, including constructors and destructors, inheritance, virtual functions, polymorphism, interfaces through abstract base classes, and data encapsulation and modeling principles are also covered in detail. Differences between the Java language and C++ are discussed. Commenting of code and debugging are emphasized throughout the course. Examples from mathematics are included as well as a significant project requiring object-oriented design. Students gain practice in utilizing outside code via practice with a graphics API.

*Effective Fall 2024

MATH 229: Statistics for Data Science
- 3 units, Letter, 3 lec, 2 lab, DE
- DA, CSU/UC
- Condition of Enrollment: Intermediate Algebra, the equivalent or higher, completed at the secondary or post-secondary level; or by placing into any college-level math course.

This course examines fundamental concepts that are the building blocks for data science work, include gathering and summarizing data (descriptive statistics) and relationships between variables, probability techniques, and distributions such as conditional probability and Bayes' Theorem, and hypothesis testing to facilitate decision-making (inferential statistics). This course will analyze the pros and cons in decision theory through the exploration of sampling and control limits. Students will study correlation and regression analyses such as linear models for data science and multivariate regression and the application of technology for statistical analysis including the interpretation of the relevance of the statistical findings to data science. The course will examine applications using data from disciplines including engineering, business, natural and social sciences, and psychology. There will be a hands-on approach to statistical analysis using the tools (statistical software) of choice, such as Python and R.

*Effective Fall 2024

NEW COURSES *(CONTINUE)*

MATH 273: Introduction to Data Structures and Algorithms

- 4 units, Letter, 3 lec, 2 lab, DE
- DA, CSU/UC
- Prerequisite: MATH 173

This course is an introduction to the study of data structures and algorithms as well as an introduction to software development primarily in C++. The course begins with a short review of object-oriented programming, emphasizing utilizing and extending existing code through inheritance and interfaces. The review leads into more advanced topics including multiple inheritance, the diamond problem, templates, and multithreading. Complexity analysis, including Big-O notation, best case, worst case, average case, and amortized analysis are covered in detail. Data structures and algorithms are covered in a language-independent manner. Linked lists, stacks, queues, trees, heaps, and graphs are covered in detail along with associated implementation and memory management techniques. Algorithms for searching and sorting, including hashing, are covered in detail. Recursion, which was introduced in the previous course, is analyzed rigorously. The Standard Template Library is discussed in reference to each data structure and algorithm covered in the course. Software development is explored in the contexts of event-driven programming and video game programming. A large-scale project requiring significant planning, collaboration, and documentation is required.

*Effective Fall 2024

NURSING 100-2: Second Semester Preparation Nursing Learning Center and Clinical Skills

- 1 unit, Pass/No Pass, 3 lab
- DA
- Prerequisite: NURSING 311 and 313 and 315 and 321
- Conditions of Enrollment: Must be enrolled in the nursing program and having completed NURSING 311, 313, 315 and 321

This course is designed for nursing students enrolled in the Los Angeles Harbor College Nursing Program who are progressing to the second semester. It is intended to assist the student to describe and analyze nursing concepts. The information is presented through face to face workshops and students will be provided low and high-fidelity patient care simulated scenarios and an actual clinical rotation (optional). This is a self-paced course and is offered on a 'Pass/No Pass/Incomplete basis.

*Effective: Fall 2024

PSYCH 098: Social Science Data Analytics Capstone

- 1.0, Letter, DE, 1 lec
- DA, CSU

Students will complete a capstone project requiring the application of data analysis skills and processes in order to address a real-world problem.

*Effective Spring 2024

VOC ED 286CE: Everyone Can Code

- 0 units, Non-credit, Pass/No Pass, Repeatable, 1 lec
- NC, NDA

Vocational Education 286CE is a noncredit competency-based course. This course combines lecture, demonstrations, and hands-on practice to provide students with the knowledge and skills necessary to learn to write code. Students will solve visual puzzles using blocks of code. In addition, they will learn the three basic code structures: sequential, selection and iteration.

*Effective: Summer 2024

VOC ED 300CE: Introduction to Tourism – City of Los Angeles

- 0 units, Non-credit, Pass/No-Pass, Repeatable, 3 lec
- NC, NDA

This course introduces students to the local tourism industry, including the history of Los Angeles and landmarks. Students learn effective marketing and branding strategies, providing quality guest services to tourists and residents, and best practices for being ambassadors of the City of Los Angeles.

*Effective Fall 2024

VOC ED 381CE: Phlebotomy Technician I

- 0 units, Non-credit, Pass/No Pass, 3 lec/2 lab
- NC, NDA

This course is an introduction of the phlebotomy concepts and skills that serve as a foundation for the individuals seeking certification as a phlebotomist. Topics include basic infection control, universal precautions and safety; basic anatomy and physiology of body systems with emphasis on the circulatory system and appropriate medical terminology; proper identification of patient and specimens, proper selection and preparation of skin puncture sites.

*Effective: Spring 2025

VOC ED 382CE: Phlebotomy Technician I Practicum

- 0 units, Non-credit, Pass/No Pass, 3 lab
- NC, NDA

This course provides the clinical laboratory experience in phlebotomy required to qualify for the examination of Certified Phlebotomy Technician I. After successfully demonstrating the following objectives, the student will have completed the 40 hour Phlebotomy Clinical Practicum necessary for obtaining California Certified Phlebotomy Technician I Certification as required under Sections 1035.1. Students will learn about selecting blood collection equipment, infection control, skin punctures, venipunctures, post puncture care, processing of blood, disposal of needles, sharps, and medical waste.

*Effective: Spring 2025

VOC ED 917CE: Pre-Apprenticeship in Digital Marketing I

- 0 units, Non-credit, Pass/No Pass, Letter, 2.0 lec, DE
- NC, NDA

This course introduces students to digital marketing and helps them understand its importance in today's business landscape. Students will develop the ability to analyze marketing data and learn different tools used in marketing, including search engine optimization (SEO) and search engine marketing (SEM). The skills acquired in this course can be used to understand marketing tools and analytics further.

*Effective Spring 2024

VOC ED 918CE: Pre-Apprenticeship in Digital Marketing II

- 0 units, Non-credit, Pass/No Pass, Letter, 2.0 lec, DE
- NC, NDA
- Advisory: VOC ED 917 CE

In this course, students will learn the fundamentals of email marketing and how to manage email campaigns, understand the importance and creation of content marketing, and examine real-world projects using different marketing tools and that will aid in developing a final digital marketing plan.

*Effective Spring 2024

NEW COURSES *(CONTINUE)*

VOC ED 926CE: Pro Tools Fundamentals 1

- 0 units, Non-credit, Pass/No Pass, Total course Hours: Lecture 1.5 hours, Lab 7.5 hours
- NC, NDA
- No experience with Avid Pro Tools software is required
- A working knowledge of Windows or Macintosh or operating systems recommended

In this course, students will learn to create sessions, select appropriate session parameters, record audio and MIDI, use Edit modes and tools effectively, set Grid and Nudge values, create and recall memory locations, navigate tracks and media, create Edit selections using a variety of common techniques, use plugins for signal processing and virtual instruments, create a basic mix, and use basic automation techniques.

*Effective: Summer 2024

VOC ED 927CE: Pro Tools Fundamentals 2

- 0 units, Non-credit, Pass/No Pass, Total course Hours: Lecture 3 hours, 6 lab hours
- NC, NDA
- Prerequisite: VOC ED 926CE

This course expands upon the basic principles taught in the Pro Tools Fundamentals I course and introduces the core concepts and techniques students need to competently operate a Pro Tools system running mid-sized sessions. This course prepares students for the associate certification exam.

*Effective: Summer 2024

VOC ED 930CE: Success Skills for Hospitality First Time Supervisor

- 0 units, Non-credit, Pass/No Pass, 2 lec
- NC, NDA

This course is a survey of entry-level, first-time supervisor concepts, theories, and principles with a focus on a supervisor's basic entry-level job responsibilities in the hospitality field and the role that supervisors play in planning, organizing, leading and motivating teams. Career and educational pathways include hospitality, tourism, retail, recreation, and event planning.

*Effective: Summer 2024

NEW PROGRAMS

Certificate of Completion in Digital Marketing Pre-Apprenticeship
Academic Plan: H043724E
The Digital Marketing Pre-Apprenticeship program is a project-based learning experience designed to provide aspiring digital marketers with a solid foundation in the principles, strategies, and tools that drive successful online marketing campaigns. This comprehensive program is ideal for individuals seeking to launch a career in digital marketing or expand their existing skill set.

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

● Understand and apply fundamental principles of digital marketing to create effective online marketing strategies.

● Utilize analytical tools to assess the performance of digital marketing campaigns, identify areas for improvement, and make data-driven optimizations.

● Demonstrate critical thinking, problem-solving, and collaboration skills essential for success in the digital marketing field.

Required Core (0 units):

VOC ED 917CE Pre-Apprenticeship in Digital Marketing I (36 hours)
VOC ED 918CE Pre-Apprenticeship in Digital Marketing II (36 hours)
Total hours 72 Min
          72 Max
Effective Spring 2024

Associate in Arts in Child and Adolescent Development (AA-T) Degree
Academic Plan: H044320G

The Associate in Arts in Child and Adolescent Development for Transfer (AA-T in Child and Adolescent Development) is intended for students who plan to complete a Bachelor's degree in Child and Adolescent, Development, Child Development, Child, Adolescent & Family Studies, Human Development or other "similar" majors at a CSU campus; guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program.

Students completing this degree will possess a working knowledge of human development from childhood through adolescence and will understand the importance of the family and cultural connection to the developing child. After completing a four-year Bachelor's degree in Child and Adolescent Development, Child Development, or related major, students will have a foundation for a wide range of careers in developmentally related public organizations, teaching institutions, service agencies, and mental and physical health facilities, child advocacy, and youth programs, and will be prepared for advanced degrees and professional programs in the field of clinical social work, clinical psychology, school psychology, school counseling K-12 teaching, college teaching, public policy, and developmental research.

A student may earn an Associate in Arts in Child and Adolescent Development for Transfer degree by completing 60 semester units that are eligible for transfer to the CSU, including 18-20 units in the major, 9-19 elective units, and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, all with a grade of C or P or better and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes: Upon successful completion of the program, students will have achieved the following outcomes: the ability to:

● Compare and contrast typical and atypical development of children and adolescents

● Locate, interpret, and critically evaluate scholarly articles in developmental theory

● Apply theoretical knowledge and methodological skills to observation, assessment, and interaction with children, adolescents, and the adults in their environment.

● Describe the scientific approach to developmental theory.

● Apply basic research methods in developmental theory, including research design, qualitative and quantitative analysis, and interpretation.

● Clearly and effectively express ideas using oral communication skills with attention to audience and topic

● Demonstrate effective written communication skills using APA format when appropriate.

● Evaluate the role that context (I.e., family, peers, schools, communities, cultures) plays in development.

● Describe and defend the guidelines for the ethical treatment of children and adolescents as articulated by the American Psychological Association, the Society for Research in Child Development, and the Society for Research on Adolescence.

Required Core Courses (9-10 units)
CH DEV 001 Child Growth and Development (3)
PSYCH 001 Introductory Psychology (3)

Statistics- Complete one course from the following (3-4)
MATH 227 Statistics (4)
MATH 227S Statistics with Support (4)
STAT 001 Elementary Statistics I for the Social Sciences (3)
STAT 001S Elementary Statistics I for the Social Sciences with Support (3)

List A - Select three (3) of the following courses, with no more than two (2) from CH DEV: (9-11 units) (exception is CH DEV 011 where the course can be combined with 2 CH DEV course to fulfill the List A requirement)

PSYCH 041 Life-Span Psychology: From Infancy to Old Age (3)
BIOLOGY 003 Introduction to Biology (4)

ANTHRO 102 Human Ways of Life: Cultural Anthropology (3)
or
CH DEV 011 Child, Family and Community (3)
or
SOC 001 Introduction to Sociology (3)
or
SOC 011 Race and Ethnic Relations (3)
or
SOC 012 Marriage and Family Life (3)

Select two maximum from the following courses (3-6 units)
CH DEV 002 Early Childhood: Principles and Practices (3)
CH DEV 010 Health, Safety and Nutrition (3)
CH DEV 012 Parent-Teacher-Child Interaction (3)
CH DEV 022 Practicum in Child Development I (4)
CH DEV 023 Practicum in Child Development II (4)
CH DEV 030 Infant/Toddler Development (3)
CH DEV 034 Observing and Recording Children's Behavior (3)
CH DEV 042 Teaching in a Diverse Society (3)
CH DEV 045 Programs for Children with Special Needs (3)

Total Units for the Major:	**18-21**
Additional IGETC or CSU GE:	34-39
Double Count Units:	9-16
Additional CSU or UC-Transferrable Units:	9-19
Total:	**60**

*****Effective Fall 2024***

NEW PROGRAMS *(CONTINUE)*

Associate in Arts in Law, Public Policy, and Society for Transfer (AA-T) Degree
Academic Plan: H044499G

Students completing the Associate in Arts in Law, Public Policy, and Society for Transfer (AA-T) degree will have satisfied the lower division major preparation for bachelor's degrees in similar majors as determined by California State University (CSU) campuses and are guaranteed admission with junior status to the California State University system, although not to a particular campus or major. Students can use the website ADT Search by CSU Campus to find CSU campuses that accept ADT degrees as being similar to their bachelor's degree majors: https://www.calstate.edu/apply/transfer/Pages/associate-degree-for-transfer-major-and-campus-search.aspx.

To earn an Associate Degree for Transfer, students must complete 60 semester units (or 90 quarter units) of coursework that is transferable to the California State University with an overall GPA of 2.0 or higher, and also complete each of the following requirements:

(1) Major/Area of Emphasis: A minimum of 18 semester units (27 quarter units) of coursework, completed with a C or higher or P if taken on a Pass/No Pass basis, in a major or area of emphasis, as required by the Los Angeles Community College District (LACCD) (Title 5 §55062).

(2) General Education: Completion of the California General Education Transfer Curriculum (Cal-GETC) course requirements, with a C or higher earned for each course (34 semester/45 quarter units).

(3) Residency: A minimum of 12 semester units must be completed within the LACCD (Title 5 §55062).
Program Learning Outcomes: Upon successful completion of the program, students will be able to:

- Describe the American legal system including its development, structure, and history.
- Articulate their views on legal and political issues
- Evaluate diverse viewpoints
- Demonstrate a working knowledge of research methods and identify research questions, hypothesize and analyze, critique, and integrate source materials.

Program Requirements
Required Core (24-26 units)
Complete one the following Law course:
ADM JUS 001 Introduction to Administration of Justice (3.0)
ADM JUS 002 Concepts of Criminal Law (3.0
ADM JUS 037 California Criminal Procedures I (3.0)
BUS 005 Business Law I (3.0)
Complete one Ethics course:
PHILOS 020 Ethics (3.0)
Complete one Public Speaking course:
COMM 101 Public Speaking (3.0)
*COMM 104 Argumentation and Debate (3.0)
COMM 151 Small Group Communication (3.0)

Complete one Composition course:
ENGLISH 101 College Reading and Composition I (3.0)
ENGLISH 101X College Reading and Composition I Plus 1-Hour Lab (3.0)
ENGLISH 101Y College Reading and Composition I Plus 2-Hour Lab (3.5)
ENGLISH 101Z College Reading and Composition I Plus 3-Hour Lab (4.0)
E.S.L. 110 College Composition for Non-Native Speakers (4.0)
Complete one course in Persuasion:
*COMM 104 Argumentation and Debate (3.0)
ENGLISH 103 Composition and Critical Thinking (3.0)
PHILOS 006 Logic in Practice (3.0)
Complete one Statistics course:
MATH 227 Statistics (4.0)
MATH 227S Statistics with Support (4.0)
STAT 001 Elementary Statistics I for the Social Sciences (3.0)
Complete one U.S. History course
HISTORY 011 Political and Social History of the United States to 1877 (3.0)
HISTORY 012 Political and Social History of the United States from 1865 (3.0)

Complete a Government course
POL SCI 001 The Government of the United States (3.0)

Complete a total of two courses (not already used from above) from two of the areas listed below.
Area 1: Administrative Justice/Criminal Justice/Criminology
ADM JUS 001 Introduction to Administration of Justice (3.0)
ADM JUS 002 Concepts of Criminal Law (3.0)
ADM JUS 003 Community Relations I (3.0)
ADM JUS 008 Juvenile Procedures (3.0)
ADM JUS 037 California Criminal Procedures I (3.0)
ADM JUS 067 Community Relations I (3.0)
ADM JUS 075 Introduction to Corrections (3.0)
SOC 003 Crime and Delinquency (3.0)
Area 2: Business
BUS 005 Business Law I (3.0)
Area 3: Economics
ECON 001 Principles of Microeconomics (3.0)
ECON 002 Principles of Macroeconomics (3.0)
Area 4: Political Science
POL SCI 002 Introduction to Comparative Politics (3.0)
POL SCI 003 Introduction to Political Science (3.0)
POL SCI 005 The History of Western Political Thought (3.0)
POL SCI 007 Introduction to International Relations (3.0)
POL SCI 050 Introduction to Research in Political Science (3.0)
Area 5: Public Policy
SOC 002 American Social Problems (3.0)
Area 6: Diversity
ANTHRO 102 Human Ways of Life: Cultural Anthropology (3.0)
COMM 122 Intercultural Communication (3.0)
SOC 011 Race and Ethnic Relations (3.0)
SOC 031 Sociology of Gender (3.0)
Any course that emphasizes under-represented groups approved as CSU GE Area D or F of CSU GE Pattern.
AFRO AM 004 The African American in the History of the U.S. I (3.0)
AFRO AM 005 The African American in the History of the U.S. II (3.0)
ANTHRO 132 Native People of North America (3.0)
HISTORY 043 The Mexican-American in the History of the United States I (3.0)
HISTORY 044 The Mexican-American in the History of the United States II (3.0)
HISTORY 052 The Role of Women in the History of the U.S. (3.0)
HISTORY 058 The Asian American in the History of the United States (3.0)

Area 7: College Success approved for CSU GE Area E and UC Transferable
COUNSEL 040 College Success Seminar (3.0)
Area 8: Internship/Fieldwork
COOP ED 395 Work Experience – General I (3.0)

Total Required Major Units: 30-32
IGETC Pattern: 37. NOTE: IGETC 1C is required for all CSU applicants. Students applying to a UC or Private school may earn this ADT without IGETC 1C but will be ineligible to apply to a CSU.
Double-Counted Units: 21-24
Electives to meet 60 CSU units: 12-17
Total Units Required for the AS-T Degree: 60
Or
CSU GE Pattern: 39
Double-Counted Units: 21-27
Electives to meet 60 CSU units: 12-18
Total Units Required for the AS-T Degree: 60
*COMM 104 counts for either the Public Speaking or Persuasion course, not both.

*Effective: Fall 2024

NEW PROGRAMS *(CONTINUE)*

Associate in Science in Computer Science for Transfer (AS-T)
Academic Plan: H043922H
The Associate in Science in Computer Science for Transfer (AS-T) is intended for students who plan to transfer and complete a bachelor's degree in Computer Science, or a major deemed similar by a CSU campus; guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program.

Students who complete the Computer Science program will be able to understand how to successfully think about and work with many aspects related to computers such as an introduction to how computer function, "hands-on" software engineering including beginning to understand how to approach problem-solving, use symbolic and abstract reasoning, developing algorithms, using one or more programming languages to convert those algorithms into programs, understand good software engineering techniques, and be able to analyze and correct programs which are not function correctly.

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

- Demonstrate mastery in core computer science areas such as problem analysis, programming languages, and computer hard ware and architecture
- Formulate, develop, and implement solutions to real world problems through applying different solution techniques
- Communicate effectively technical solutions to both technical and non-technical audiences

A student may earn an Associate in Science in Computer Science for Transfer (AS-T) by completing 60 semester units that are eligible for transfer to the CSU, including 32 units in the major and the Intersegmental General Education Transfer Curriculum (IGETC) requirements, all with a grade of C or P or better and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with the Student Transfer Achievement Reform Act (Senate Bill 1440).

Required Core (27 units)
CS 116   Programming in C++ (3)
CS 136   Introduction to Data Structures (3)
CS 130   Introduction to Computer Architecture and Organization (3)
CS 131   Discrete Structures for Computer Science (3)
MATH 265   Calculus with Analytic Geometry I (5)
MATH 266   Calculus with Analytic Geometry II (5)
PHYSICS 037 Physics for Engineers and Scientists I (5)

Additional Requirements: Select and complete one course (5 units)
BIOLOGY 006 General Biology I (5)
OR
BIOLOGY 007 General Biology II (5)
* Note: CHEM 101 or PHYSICS 038 can be used in place of BIOLOGY 006 or BIOLOGY 007

Total Required Major Units: 32
IGETC Pattern: 37. NOTE: IGETC 1C is required for all CSU applicants. Students applying to a UC or Private school may earn this ADT without IGETC 1C but will be ineligible to apply to a CSU.
Double-Counted Units: 10
Electives to meet 60 CSU units: 1
Total Units Required for the AS-T Degree: 60

*IGETC Pattern: Per SB 1440 and approved by the Intersegmental Curriculum Workgroup (ICW) on January 30, 2014: The need to specify one transfer GE pattern as the means of completing the degree within 60 semester units does not prevent a college from awarding an ADT when a student chooses to use a different pattern, i.e., CSU GE
Note: this award can also be found in the Science, Technology, Engineering & Mathematics Pathway TCAP Pathway.

*Effective: Summer 2024

Certificate of Achievement in Advanced Professional Baking and Pastry Arts
Academic Plan: H044009D
The Advanced Professional Baking and Pastry Arts program is designed for entry-level positions and advancement opportunities in the baking and pastry industry. Students will learn about the functions of cake decorating, wedding cakes, sugar flowers, chocolate, confections, sugar and showpieces, recipe costing, retail bakers management and sanitation skills.
Program Learning Outcomes: Upon successful completion of the program, students will be able to:

- Understand and master various breads from around the world especially laminated doughts up to industry standards.
- Demonstrate pastry production skills within an industry timeline
- Demonstrate an understanding of the proper techniques for a variety of classical, modern and wedding cakes.
- Define and understand the origins, and applications of cocoa and chocolate.

Note: this award can also be found in the Business, Economics & Hospitality TCAP Pathway
Required Courses:

*PROFBKG 130 Chocolate Confections Deco & Showpieces (3.0)
*PROFBKG 135 Specialty Cakes (3.0)
CLN ART 136 Restaurant Management (3.0)
HOSPT 120 Hospitality Cost Control (3.0)

Total 12.0 units
*This course has a prerequisite
*Effective Fall 2024

NEW PROGRAMS *(CONTINUE)*

Certificate of Achievement in Creative Writing
ACADEMIC PLAN: H044271D
The creative writing certificate of achievement provides students with the analytical skills to distinguish key elements and structures of the four major genres of creative writing: fiction, creative nonfiction, poetry, and playwriting. Through these analytical skills, students will be able to incorporate the structures and elements of each genre in their own work. While taking the program, students will also be tasked with evaluating both student and professional writer's mastery of key elements of the four genres using a criteria established by the course texts and by the instructor. Students will gain experience as editors on LAHC's literary magazine, *laharborlights,* through the process of selecting content and working on the production and design process of the magazine. Upon completion, students with this certificate will meet some of the requirements for aa transfer in English and degrees at most colleges with an emphasis or minor in literature and creative writing.

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

- Recognize literary techniques and elements, including but not limited to tone, imagery, symbolism, point of view, and theme, in order to facilitate the analysis of dramatic literature, short fiction, poetry, and personal essay/memoir.
- Develop and demonstrate critical thinking skills through the analysis, interpretation, and evaluation of dramatic literature/ short fiction/poetry/ memoir/personal essay.
- Further develop writing skills through the recognition of elements that produce the varying genres of creative writing.
- Produce short fiction, prose and verse/metered poetry, dramatic literature, and a memoir/personal essay by incorporating the conventions and elements recognized in these various genres of literature.

Note: This award can also be found in the Society, Culture & Communication TCAP Pathway

Required core courses (8-9 units):

ENGLISH 101 College Reading and Composition I (3.0)
or
ENGLISH 101X College Reading and Composition I Plus 1-HOUR LAB (3.0)
or
ENGLISH 101Y College Reading and Composition I Plus 2-HOUR LAB (3.5)
or
ENGLISH 101Z College Reading and Composition I Plus 3-HOUR LAB (4.0)
or
E.S.L. 110 College Composition for Non-Native Speakers (4.0)

ENGLISH 127 Creative Writing (3.0)
ENGLISH 032 College Literary Magazine Editing (2.0)

Complete three courses listed below (8-9 units):
ENGLISH 212	Poetry (3.0)
ENGLISH 213	Dramatic Literature (3.0)
ENGLISH 214	Contemporary Literature (3.0)
ENGLISH 223	Creative Nonfiction (3.0)
JOURNAL 105	Mass Communications (3.0)
THEATER 275	Scene Study (2.0)

Total Required Units	**16-18**

*Effective Fall 2024

Certificate of Completion in Hospitality, First Time Supervisor
Academic Plan: H044348E

The Hospitality, First Time Supervisor Certificate of Completion prepares students for entry-level employment and supervisory positions in the Hospitality and tourism sector and/or prepares students to transition to college credit programs.

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

- Apply concepts and skills necessary to gain entry level employment in Hospitality and Tourism sector with an emphasis on Management.
- Prepares student for transition to college credit programs

Required Core (0 units)
VOC ED 300CE   Introduction to Tourism-City of Los Angeles (54 hours)
VOC ED 930CE   Success Skills for Hospitality First Time Supervisor (36 hours)

Total hours:	**90**

*Effective Fall 2024

Certificate of Achievement in Hospitality Management
ACADEMIC PLAN: H044180D
The hospitality management certificate prepares students in entry to mid-level positions in the hospitality industry. The certificate provides students with knowledge and training necessary in the hotel, restaurant and hospitality industry. Courses are designed for students who desire a career in the hospitality industry in the following areas: reservations, front office, purchasing, lodging, events and housekeeping. A certificate of achievement is awarded upon completing all required courses with a c grade or better.

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

- Recognize and define hospitality industry terminology.
- Demonstrate working knowledge of Food and Beverage Management and Controls
- Demonstrate knowledge and comprehension of sanitation and safety regulations in the hospitality industry.
- Analyze a profit and loss statement.

Note: this award can also be found in the Business, Economics & Hospitality TCAP Pathway

First semester (12 units, taken concurrently)

HOSPT 100	Introduction to Hospitality Industry (3.0)
CLN ART 113	Culinary Skills I (3.0)
CLN ART 117	Food Sanitation and Safety (3.0)
HOSPT 120	Hospitality Cost Control (3.0)

Second Semester (12 units, taken concurrently)

HOSPT 140	Introduction to Hotel Management (3.0)
HOSPT 320	Hospitality Law (3.0)
CLN ART 136	Restaurant Management (3.0)
HOSPT 136	Event Management (3.0)

Total	**24.0**

*Effective Fall 2024

NEW PROGRAMS *(CONTINUE)*

Certificate of Completion in Pro Tools Certification
Academic Plan: H044347E
The Pro Tools Certification program provides expert and emerging professional musicians with the opportunity to become an Avid Certified User for Pro Tools. By completing the Pro Tools certification, professionals and aspiring artists are verified to possess a fundamental understanding of and the capability to use Avid Pro Tools to engineer a project through to completion. Becoming an Avid Certified User for Pro Tools helps professionals build an acknowledged standard of excellence, provides a valid and fair method to test relevant skills and knowledge, and connects a community of music professionals.

Program Learning Outcomes: Upon successful completion of this program, students will be able to:
1. Demonstrate fundamental competency in digital audio editing and mixing with Avid pro Tools.
2. Understand the use of Avid Pro Tools to produce a project through to completion with operational skills to record, edit, mix and output the finished session.
3. Gain the title of Avid Certified User for Pro Tools, an industry recognized credential, upon completion.

Required Core (0 units)
VOC ED 926CE Pro Tools Fundamentals 1 (9 hours)
VOC ED 927CE Pro Tools Fundamentals 2 (9 hours)

Total hours:	**18**

*Effective Fall 2024

Certificate of Achievement in Media Arts - Animation
Academic Plan: H044376D
The Media Arts – Animation Certificate of Achievement equips students with essential artistic, technological, storytelling, and design skills vital for success as 3D animators and visual effects artists within the competitive entertainment, design, and communications industries.

The program not only focuses on traditional applications in film, television, and internet programming but also explores emerging fields like medical research, engineering, virtual and augmented reality, immersive media, and more.
The curriculum is rigorous, offering a foundational understanding of design and technology alongside specialized coursework in digital animation, visual effects, and immersive media.

Students will participate in a 2-semester curriculum, gaining practical experience in real-world settings. While predominantly face-to-face, the program also offers virtual courses taught by industry professionals nationwide, expanding students' networks and exposure to industry practices.

Through hands-on experience with industry-standard software and hardware, students cover the entire creative pipeline, from storyboarding to rendering and compositing, preparing them comprehensively for diverse career opportunities in these cutting-edge disciplines.

Program Learning Outcomes: Upon successful completion of the program, students will be able to:
1. Students will be able to communicate core visual art concepts in oral and written assignments.
2. Students will demonstrate the ability to use critical thinking skills when designing and implementing independent skill-based projects.
3. Students will demonstrate informational and technological competence as applied to visual art concepts
4. Students will be able to apply visual arts principles to the development of lifelong personal growth recognizing the complexity of social, cultural, and international diversity.

Note: this award can also be found in the Arts, Performance & Design TCAP Pathway

Required Courses:
*ANIMATN 212 Character Animation and Design (3)
ANIMATN 218 Fundamentals of Animation (3)
ANIMATN 219 Animation Process and Design (3)
ANIMATN 221 Advanced 3D Animation (3)

*ANIMATN 225 3D Character Animation (3)
*ANIMATN 227 3D Animation Project (3)

Total	**18.0**

*This course has a prerequisite
*Effective Fall 2024

Certificate of Achievement in Media Arts – Game Art and Design
Academic Plan: H044415D
The Media Arts – Game Art and Design Certificate of Achievement equips students with essential artistic, technological, storytelling, and design skills vital for success as developers and visual effects artists within the competitive entertainment, design, and communications industries.

The program not only focuses on traditional applications in software development, cinema, and internet programming but also explores emerging fields like medical research, engineering, virtual and augmented reality, immersive media, and more.

The curriculum is rigorous, offering a foundational understanding of design and technology alongside specialized coursework in game theory, visual effects, and immersive media.

Students will participate in a 2-semester curriculum, gaining practical experience in real-world settings. While predominantly face-to-face, the program also offers virtual courses taught by industry professionals nationwide, expanding students' networks and exposure to industry practices.

Through hands-on experience with industry-standard software and hardware, students cover the entire creative pipeline, from storyboarding to rendering and compositing, preparing them comprehensively for diverse career opportunities in these cutting-edge disciplines.

Program Learning Outcomes: Upon successful completion of the program, students will be able to:
1. Students will be able to communicate core visual art concepts in oral and written assignments.
2. Students will demonstrate the ability to use critical thinking skills when designing and implementing independent skill-based projects.
3. Students will demonstrate informational and technological competence as applied to interactive media concepts.
4. Students will be able to apply visual arts principles to the development of lifelong personal growth recognizing the complexity of social, cultural, and international diversity.

Note: this award can also be found in the Arts, Performance & Design TCAP Pathway

Required Courses:
*ART 634 Computer Graphics I (3)
*ART 636 Computer Graphics 2 (3)
GAD 101 Intro to Game Design (3)
**GAD 102 Concept Design and Visual Development (3)
GAD 103 Game Technologies and Game Engines (3)
GAD 104 Level and Environment Design (3)
GAD 210-1 Production Studio I (2)

Total	**20.0**

*This course has a prerequisite

** This course has an Advisory

*Effective Fall 2024

PROGRAM UPDATES

Associate in Arts in Elementary Teacher Education for Transfer (AA-T) Degree
Academic Plan: H042458G

The Associate in Arts in Elementary Teacher Education for Transfer (AA-T) Degree is intended for students planning to transfer into a Liberal Studies program or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program.

A student may earn an Associate in Arts in Elementary Teacher Education (AA-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including 48 units in the major, 1-4 CSU-transferable units, and either the Intersegmental General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, with a grade of C or P better for major courses and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes: Upon completion of the program, students will be able to demonstrate mastery of:

- Design and implement age-appropriate activities.
- Identify opportunities that support school-age student learning and development.
- Synthesize child development and education research and theories to support the development and learning modalities of children.

Major Requirements (48 units):
BIOLOGY 003 Introduction to Biology (4)
CH DEV 001 Child Growth and Development (3)
COMM 101 Public Speaking (3)
EDUC 001 Introduction to Teaching (3)
ENGLISH 101 College Reading and Composition I (3)
ENGLISH 102 College Reading and Composition II (3)
GEOG 007 World Regional Geography (3)
GEOLOGY 001 Physical Geology (3)
GEOLOGY 006 Physical Geology Laboratory (1)
HISTORY 011 Political and Social History of the United States to 1877 (3)
HISTORY 086 Introduction to World Civilization (3)
MATH 215 ~~Principles of Mathematics I~~ Mathematical Concepts for Teachers I (3)
formerly Principles of Mathematics I
PHYS SC 001 Physical Science I (3)
PHYS SC 014 Physical Science Laboratory (1)
POL SCI 001 The Government of the United States (3)

List A: (3 units):
ENGLISH 103 Composition and Critical Thinking (3)

List B: (Choose 1 course):
ART 101 Survey of Art History (3)
ART 103 Art Appreciation I (3)
DANCEST 805 History and Appreciation of Dance (3)
MUSIC 111 Music Appreciation I (3)
THEATER 100 Introduction to the Theater (3)

Major	**48**
Additional CSU GE or IGETC Requirements	**9-11**
(Not including 28 double-countable major units)	
Additional CSU Transferable Units	**1-3**
Total	**60**

*Effective Fall 2024

Certificate of Achievement in Music
Academic Plan: H010694D
Click Here for MUSIC Program Mapper

This program provides an opportunity for students to acquire breadth of knowledge and introductory skills in music. It is designed for students considering a career in music but who have not yet decided upon an area of emphasis, or for those who wish to acquire such knowledge and skills prior to completing any of the other music awards offered at Harbor College.

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

- recognize the compositional processes associated with a musical work and articulate the technical, historical, and cultural forces that shape it.
- demonstrate the collaborative skills necessary to perform music as a member of an ensemble and respect for differing cultural musical traditions.
- demonstrate continuing growth in applying instrumental or vocal technique, musicianship, the ability to read music notation, and aesthetic awareness to the preparation of expressive musical performances.
- describe the different careers available to musicians and what skills are required of those who pursue them.

Note: this award can also be found in the Education TCAP Pathway

Major Requirements (8 units)
MUSIC 216-1 Music Theory I (3)
MUSIC 216-2 Music Theory II (3)
MUSIC 217-1 Musicianship I (1)
MUSIC 217-2 Musicianship II (1)

Electives (choose 1 unit):
MUSIC 501   College Choir (1)*
MUSIC 700   Large Ensemble (1)*
MUSIC 775   Jazz Band (1)*
*Each may be repeated for a total of 4 units and/or combined with others.

Additional Electives (choose 9 units):
Any additional course(s) from the above elective units and/or the following:
MUSIC 100   Music in Society (3)
MUSIC 101   Fundamentals of Music I (3)
MUSIC 111   Music Appreciation (3) (formerly Music Appreciation I)
MUSIC 116   Survey of Rock, Pop, and Soul Music (3)
MUSIC 118   Film Music Appreciation (3)
MUSIC 141   Jazz Appreciation (3)
MUSIC 161   Introduction to Electronic Music (3)
MUSIC 165   Introduction to Recording Arts (3)
MUSIC 180-1 Applied Music Laboratory I (1.5)**
MUSIC 180-2 Applied Music Laboratory II (1.5)**
MUSIC 180-3 Applied Music Laboratory III (1.5)**
MUSIC 180-4 Applied Music Laboratory IV (1.5)**
MUSIC 181   Applied Music I (0.5)
MUSIC 182   Applied Music II (0.5)
MUSIC 183   Applied Music III (0.5)
MUSIC 184   Applied Music IV (0.5)
MUSIC 216-3 Music Theory III (3)
MUSIC 216-4 Music Theory IV (3)
MUSIC 217-3 Musicianship III (1)
MUSIC 217-4 Musicianship IV (1)
MUSIC 261-1 Electronic Music Workshop I (3)
MUSIC 261-2 Electronic Music Workshop II (3)
MUSIC 261-3 Electronic Music Workshop III (3)
MUSIC 265-1 Recording Arts Workshop I (3)
MUSIC 265-2 Recording Arts Workshop II (3)
MUSIC 265-3 Recording Arts Workshop III (3)
MUSIC 271   Songwriters' Workshop I (3)

PROGRAM UPDATES *(CONTINUE)*

MUSIC 272   Songwriters' Workshop II (3)
MUSIC 273   Songwriters' Workshop III (3)
MUSIC 280   Business of Commercial Music (3)
MUSIC 321   Piano I (2)
MUSIC 322   Piano II (2)
MUSIC 323   Piano III (2)
MUSIC 324   Piano IV (2)
MUSIC 411   Elementary Voice I (2)
MUSIC 412   Elementary Voice II (2)
MUSIC 413   Elementary Voice III (2)
MUSIC 414   Elementary Voice IV (2)
MUSIC 650   Beginning Guitar (2)
MUSIC 651   Classical Guitar I (2)
MUSIC 652   Classical Guitar II (2)
MUSIC 653   Classical Guitar III (2)
MUSIC 654   Classical Guitar IV (2)
**Successful completion of audition required for enrollment

Total (Major plus Elective Requirements)	**18**

*Effective Fall 2024

Associate in Arts in Liberal Arts & Sciences: Mathematics and Natural Sciences Degree
Academic Plan: H018708C
Click Here for LIBERAL ARTS & SCIENCES PROGRAM MAPPER

The Associate in Arts in Liberal Arts & Sciences degrees are designed for students who desire a broad base of knowledge in the liberal arts and sciences.

This emphasis provides a broad-based degree in mathematics and the natural sciences. These courses examine the physical universe, its life forms, and its natural phenomena. Courses in mathematics emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of math and science as investigative tools. The Mathematics and Natural Sciences concentration allows students to take courses that will prepare them for possible majors within the fields of Astronomy, Biology, Chemistry, Geography, Geology, Mathematics, Physics, and more. See the program learning outcomes listed under the subject heading.

Program Learning Outcomes: Upon successful completion of the program, a student will be able to...
1. Demonstrate proficiency in verbal communication.
2. Employ numeracy and quantitative reasoning to solve problems.
3. Differentiate between facts and opinions and identify biases and logical fallacies in sources of information.
4. Demonstrate the ability to form conclusions based on the analysis of evidence.
5. Describe social constructs that guide ethical decision-making.
6. Describe the role of human events and forms of expression in shaping society.

Note: this award can also be found in the Science, Technology, Engineering & Mathematics TCAP Pathway

Required courses (Choose 18 units minimum)
ANATOMY 001 Introduction to Human Anatomy (4)
ANTHRO 101 Human Biological Evolution (3)
ANTHRO 111 Laboratory in Human Biological Evolution (1)
ASTRON 001 Elementary Astronomy (3)
ASTRON 005 Fundamentals of Astronomy Laboratory (1)
BIOLOGY 003 Introduction to Biology (4)
BIOLOGY 005 Introduction to Human Biology (4)
BIOLOGY 006 General Biology I (5)
BIOLOGY 007 General Biology II (5)
BUSINESS 015 Business Statistics (3)
CHEM 051 Fundamentals of Chemistry I (5)
CHEM 065 Introductory to General Chemistry (4)

CHEM 066 Organic and Biochemistry for Allied Health (5)
CHEM 101 General Chemistry I (5)
CHEM 102 General Chemistry II (5)
CHEM 211 Organic Chemistry for Science Majors I (5)
CHEM 212 Organic Chemistry for Science Majors II (5)
COUNSEL 001 Introduction to College (1)
COUNSEL 002 Interpersonal Relationships (1)
COUNSEL 004 Career Planning (1)
COUNSEL 005 College Survival (2)
COUNSEL 006 Career Planning for Students with Disabilities (1)
COUNSEL 017 College Survival Skills Development (1)
COUNSEL 020 Post-Secondary Education: The Scope of Career Planning (3)
COUNSEL 022 The Transfer Process (1)
COUNSEL 040 College Success Seminar (3)
ENV SCI 001 Introduction to Environmental Sciences (3)
ENV SCI 002 The Human Environment: Biological Processes (3)
GEOG 001 Physical Geography (3)
GEOG 015 Physical Geography Laboratory (2)
GEOLOGY 001 Physical Geology (3)
GEOLOGY 006 Physical Geology Laboratory (1)
LIB SCI 101 College Research Skills (1)
~~MATH 125 Intermediate Algebra (5)~~
~~MATH 125S Intermediate Algebra with Support (5)~~
~~MATH 134 Accelerated Elementary and Intermediate Algebra (6)~~
~~MATH 137 Pre-Statistics Algebra (5)~~
MATH 215 Principles of Mathematics I (3)
MATH 216 Principles if Mathematics II (3)
MATH 227 Statistics (4)
MATH 227S Statistics with Support (4)
MATH 230 Mathematics for the Liberal Arts Students (3)
MATH 234 College Level Algebra (4)
MATH 236 Calculus for Business and Social Science (5)
MATH 240 Trigonometry (3)
MATH 241 Trigonometry with Vectors (4)
MATH 241S Trigonometry with Vectors with Support (4)
MATH 260 Pre-calculus (5)
MATH 265 Calculus with Analytic Geometry I (5)
MATH 266 Calculus with Analytic Geometry II (5)
MATH 267 Calculus with Analytic Geometry III (5)
MATH 270 Linear Algebra (3)
MATH 275 Ordinary Differential Equations (3)
MICRO 020 General Microbiology (4)
OCEANO 001 Introductory to Oceanography (3)
OCEANO 010 Physical Oceanography Laboratory (1)
OCEANO 012 Lectures in Marine Biology (3)
PHYS SC 001 Physical Science I (3)
PHYS SC 014 Physical Science Laboratory (1)
PHYSICS 006 General Physics (4)
PHYSICS 007 General Physics II (4)
PHYSICS 011 Introductory Physics (4)
PHYSICS 037 Physics for Engineers and Scientists I (5)
PHYSICS 038 Physics for Engineers and Scientists II (5)
PHYSICS 039 Physics for Engineers and Scientists III (5)
PHYSIOL 001 Introduction to Human Physiology (4)
PSYCH 002 Biological Psychology I (3)
PSYCH 076 Data Visualization in the Social Sciences (4)
STAT 001 Elementary Statistics I for the Social Sciences (3)
STAT 001S Elementary Statistics I for the Social Sciences with Support (3)
STAT 101 Statistics for the Social Sciences (4)

Major	**18**
Additional LACCD GE Requirements	**15-18**
(Not including 3-6 double-countable major units. Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.	
Additional Degree-applicable Requirement	**24-27**
Total Units	**60**

*Effective Fall 2024

PROGRAM UPDATES *(CONTINUE)*

Associate in Arts in Liberal Arts & Sciences: Health and Fitness Degree
Academic Plan: H018707C
Click Here for LIBERAL ARTS & SCIENCES PROGRAM MAPPER

The Associate in Arts in Liberal Arts & Sciences degrees are designed for students who desire a broad base of knowledge in the liberal arts and sciences.

An emphasis in this area is designed to familiarize students with the various aspects that contribute to healthful living. Students will learn how to incorporate these principles into their own lives. They will also learn to critically evaluate their personal choices regarding disease prevention and fitness. The Health and Fitness concentration allows students to take courses that will prepare them for possible majors within the fields of Kinesiology, Dance, Kinesiology and others. See the program learning outcomes listed under the subject heading.

Program Learning Outcomes: Upon successful completion of the program, a student will be able to…

- Demonstrate proficiency in verbal communication.
- Employ numeracy and quantitative reasoning to solve problems.
- Differentiate between facts and opinions and identify biases and logical fallacies in sources of information.
- Demonstrate the ability to form conclusions based on the analysis of evidence.
- Describe social constructs that guide ethical decision-making.
- Describe the role of human events and forms of expression in shaping society.

(Choose 18 units minimum)
ANATOMY 001 Introduction to Human Anatomy (4)
ANTHRO 102 Human Ways of Life: Cultural Anthropology (3)
BIOLOGY 003 Introduction to Biology (4)
BIOLOGY 005 Introduction to Human Biology (4)
COMM 190 Communication and New Media (3)
CHEM 051 Fundamentals of Chemistry I (5)
CHEM 065 Introductory General Chemistry (4)
COUNSEL 001 Introduction to College (1)
COUNSEL 002 Interpersonal Relationships (1)
COUNSEL 004 Career Planning (1)
COUNSEL 005 College Survival (2)
COUNSEL 006 Career Planning for Students with Disabilities (1)
COUNSEL 017 College Survival Skills Development (1)
COUNSEL 020 Post-Secondary Education: The Scope of Career Planning (3)
COUNSEL 022 The Transfer Process (1)
COUNSEL 040 College Success Seminar (3)
DANCEST 805 History and Appreciation of Dance (3)
DANCETQ 141 Modern Dance Techniques I (1)
FAM &CS 021 Nutrition (3)
HEALTH 002 Health and Fitness (3)
HEALTH 006 Nutrition for Healthful Living and Fitness Activities (3)
HEALTH 011 Principles of Healthful Living (3)
HEALTH 012 Safety Education and First Aid (3)
KIN *Up to four courses in this subject*
KIN ATH 503 Intercollegiate Athletics-Baseball (3)
KIN ATH 504 Intercollegiate Athletics-Basketball (3)
KIN ATH 506 Intercollegiate Athletics-Cross Country (3)
KIN ATH 508 Intercollegiate Athletics-Football (3)
KIN ATH 511 Intercollegiate Athletics-Soccer (3)
KIN ATH 512 Intercollegiate Athletics-Softball (3)
KIN ATH 516 Intercollegiate Athletics-Volleyball (3)
KIN ATH 552 Intercollegiate Sports-Conditioning & Skills Training (1)
KIN ATH 553 Intercollegiate Football-Fitness & Skills Training (1)
KIN ATH 555 Intercollegiate Cross Country-Fitness & Skills Training (1)
KIN ATH 556 Intercollegiate Basketball-Fitness & Skills Training (1)
KIN ATH 557 Intercollegiate Baseball-Fitness & Skills Training (1)
KIN ATH 558 Intercollegiate Soccer-Fitness & Skills Training (1)
KIN ATH 563 Intercollegiate Volleyball-Fitness & Skills Training (1)
KIN ATH 564 Intercollegiate Softball-Fitness & Skills Training (1)
KIN MAJ 100 Introduction to Kinesiology (3)
KIN MAJ 103 Introduction to Coaching Athletics (3)
KIN MAJ 119 Kinesiology - Physical Fitness* (2)
LIB SCI 101 College Research Skills (1)

MICRO 020 General Microbiology (4)
MUSIC 100 Music in Society (3)
NURSING 302 Mathematics of Drugs and Solutions (3)
NURSING 364 Pharmacology (3)
PHYSIOL 001 Introduction to Human Physiology (4)
PSYCH 001 Introductory Psychology (3)
PSYCH 002 Biological Psychology (3)
PSYCH 003 Personality and Social Development (3)
PSYCH 014 Abnormal Psychology (3)
PSYCH 041 Life-Span Psychology: From Infancy to Old Age (3)
PSYCH 052 Psychological Aspects of Human Sexuality (3)
SOC 001 Introductory to Sociology (3)
SOC 002 American Social Problems (3)
SOC 012 Marriage and Family Life (3)
SOC 021 Human Sexuality (3)

Major	**18**
Additional LACCD GE Requirements	**12**
(Not including 9 double-countable major units. Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.	
Additional Degree-applicable Requirements	**30**
Total Units	**60**

*Effective Fall 2024

Associate in Science Degree in Child Development
Academic Plan: H008305C
Click Here for CHILD DEVELOPMENT PROGRAM MAPPER

The Child Development program is designed to help students qualify for employment in occupations involving- groups of young children who are under the guidance of public and private agencies. Completion of this program qualifies the student to apply for the California Child Development Permit. Courses of study may be selected and scheduled in any order based on course prerequisites, the available class schedule, and/or academic and technical competencies.

Program Learning Outcomes: Upon successful completion of the program, students will have achieved the following outcomes: the ability to:

- demonstrate the use of developmentally appropriate practices for young children.
- evaluate and demonstrate the roles of Early Childhood Education professionals in preparing children for school success.
- plan and implement curriculum domain experiences/activities for preschool and/or school-age children.
- advocate for children's rights to develop their potential for becoming productive, well-adjusted members of society.
- implement a plan for professional success to include obtaining a California Child Development Permit to qualify for employment in programs receiving funding from Federal, State, private (profit and non-profit), and family child care sources.
- develop practical ideas for implementing culturally relevant and anti-bias education in core curriculum areas.

Note: this award can also be found in the Education TCAP Pathway

Required Core (38 units):
CH DEV 001 Child Growth and Development (3)
CH DEV 002 Early Childhood: Principles & Practices (3)
CH DEV 003 Creative Experiences for Children I (3)
CH DEV 004 Creative Experiences for Children II (3)
CH DEV 007 Introduction to Curriculum in Early Childhood Education (3)
CH DEV 010 Health, Safety, and Nutrition (3)
CH DEV 011 Child, Family and Community (3)
CH DEV 012 Parent-Teacher-Child Interaction (3)
CH DEV 022 Practicum in Child Development I (4)
CH DEV 023 Practicum in Child Development II (4)
CH DEV 034 Observing and Recording Children's Behavior (3)
CH DEV 042 Teaching in a Diverse Society (3)
CH DEV 045 Programs for Children with Special Needs (3)

PROGRAM UPDATES *(CONTINUE)*

Electives: Complete at least 4 units from the following courses:
CH DEV 005 Puppetry I (3)
CH DEV 030 Infant/Toddler Development (3)
CH DEV 031 Infant/Toddler Care and Education (3)
CH DEV 036 Literature for Early Childhood (1)
CH DEV 038 Administration & Supervision of Early Childhood Programs I (3)
CH DEV 039 Administration II: Personnel and Leadership in Early Childhood Education (3)
CH DEV 044 Early Intervention for Children with Special Needs (3)
CH DEV 065 Adult Supervision/Early Childhood Mentoring (2)
CH DEV 075 Child Safety (1)
CH DEV 172 Introduction to Careers in Child Development (1)
CH DEV 185 Directed Study – Child Development (1)
EDUC 001 Introduction to Teaching (3)
FAM &CS 021 Nutrition (3)

Major (Core and Electives)	**42**
Additional LACCD GE Requirements	**15**
(Not including 6 double-countable major units. Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.)	
Additional Degree-applicable Requirements	**3**
Total	**60**

Effective: Summer 2024

Certificate of Achievement in Child Development
Academic Plan: H021645D
Click Here for CHILD DEVELOPMENT PROGRAM MAPPER

Program Learning Outcomes: Upon successful completion of the program, students will have achieved the following outcomes: the ability to:

- demonstrate the use of developmentally appropriate practices for young children.
- evaluate and demonstrate the roles of Early Childhood Education professionals in preparing children for school success.
- plan and implement curriculum domain experiences/activities for preschool and/or school-age children.
- advocate for children's rights to develop their potential for becoming productive, well-adjusted members of society.
- implement a plan for professional success to include obtaining a California Child Development Permit to qualify for employment in programs receiving funding from Federal, State, private (profit and non-profit), and family child care sources.
- develop practical ideas for implementing culturally relevant and anti-bias education in core curriculum areas.

Note: this award can also be found in the Education TCAP Pathway

Component I
CH DEV 022 Practicum in Child Development (4)

Component II (choose 20 units minimum)
CH DEV 001 Child Growth and Development (3)
CH DEV 002 Early Childhood: Principles & Practices (3)
CH DEV 003 Creative Experiences for Children I (3)
CH DEV 004 Creative Experiences for Children II (3)
CH DEV 007 Introduction to Curriculum in Early Childhood Education (3)
CH DEV 005 Puppetry I (3)
CH DEV 010 Health, Safety, and Nutrition (3)
CH DEV 011 Child, Family and Community (3)
CH DEV 012 Parent-Teacher-Child Interaction (3)
CH DEV 023 Practicum in Child Development II (4)
CH DEV 030 Infant/Toddler Development (3)
CH DEV 031 Infant/Toddler Care and Education (3)
CH DEV 034 Observing and Recording Children's Behavior (3)
CH DEV 036 Literature for Early Childhood (1)

CH DEV 038 Administration and Supervision of Early Childhood Programs I (3)
CH DEV 039 Administration II: Personnel and Leadership in Early Childhood Education (3)
CH DEV 042 Teaching in a Diverse Society (3)
CH DEV 044 Early Intervention for Children with Special Needs (3)
CH DEV 045 Programs for Children with Special Needs (3)
CH DEV 065 Adult Supervision/Early Childhood Mentoring (2)
CH DEV 075 Child Safety (1)
CH DEV 172 Introduction to Careers in Child Development (1)
CH DEV 185 Directed Study - Child Development (1)
EDUC 001 Introduction to Teaching (3)

Additional Requirements (3-4 units)
ENGLISH 101 College Reading and Composition I (3)
or
ENGLISH 101X College Reading and Composition I Plus 1-Hour Lab (3)
or
ENGLISH 101Y College Reading and Composition I Plus 2-Hour Lab (3.5)
or
ENGLISH 101Z College Reading and Composition I Plus 3-Hour Lab (4)

Major (Components I and II)	**24**
Additional Requirements	**3-4**
Total	**27-28**

Effective Summer 2024

PROGRAM UPDATES*(CONTINUE)*

Associate in Science in Business Administration 2.0 for Transfer (AS-T) Degree
Academic Plan: H041041H
Click Here for BUSINESS PROGRAM MAPPER

 The Associate in Science in Business Administration 2.0 for Transfer (AS-T) Degree is intended for students planning to transfer into a Bachelor of Science program in Business Administration or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. Additionally, students who complete a baccalaureate degree in this subject will be prepared for positions in management and/or supervision for a wide variety of business organizations requiring a preparation in business skills.

A student may earn an Associate in Science in Business Administration 2.0 for Transfer (AS-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including a minimum of 30-31 units in the major and the Intersegmental General Education Transfer Curriculum (IGETC) requirements, all with a grade of C or P or better and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes: Upon successful completion of the program, students will be able to:
- Demonstrate an understanding of all business functions, practices and related theories and be able to integrate this functional knowledge in order to address business problems.
- Demonstrate effective oral and written communication skills in English.
- Demonstrate conceptual learning, critical thinking, and problem-solving skills.
- Employ quantitative and technological skills to analyze and interpret business data and improve business performance.
- Demonstrate an understanding of and sensitivity to all forms of diversity, including, but not limited to: learning style, sex, age, ethnicity, national origin, religion, gender, gender identity, marital/family status, veteran status, disability, mental capacity, and economic status.
- Demonstrate awareness of ethical, social responsibility, and citizenship issues in decision making at the local and regional levels.

Required Core:
ACCTG 001 Introductory Accounting (5)
ACCTG 002 Introductory Accounting II (5)

BUS 001 Introduction to Business (3)
or
BUS 032 Business Communications (3)

BUS 005 Business Law I (3)
ECON 001 Principles of Microeconomics (3)
ECON 002 Principles of Macroeconomics (3)

BUS 015 Business Statistics (3)
or
MATH 227 Statistics (4)
or
MATH 227S Statistics with Support (4)
or
STAT 001 Elementary Statistics I for the Social Sciences (3)
or
STAT 001S Elementary Statistics I for the Social Sciences with Support (3)

MATH 236 Calculus for Business and Social Science (5)
Or
MATH 265 Calculus with Analytic Geometry I (5)

Total Required Major Units	30-31
IGETC	37
Double-Counted Units	9
Additional CSU Electives Required	1-2
Total Units Required for AS-T Degree	60

*Additional IGETC Requirements: Per SB 1440 and approved by the Intersegmental Curriculum Workgroup (ICW) on January 20, 2014: The need to specify one transfer GE pattern as the means of completing the degree within 60 semester units does not prevent a college from awarding an ADT when a student chooses to use a different pattern, I.e., CSU GE.

Associate in Arts in Anthropology for Transfer (AA-T) Degree
Academic Plan: H033285G
Click Here for ANTHROPOLOGY PROGRAM MAPPER

The Associate in Arts in Anthropology (AA-T) for Transfer Degree is intended for students planning to transfer into a Bachelor of Arts program in Anthropology or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program.
A student may earn an Associate in Arts in Anthropology (AA-T) for Transfer Degree by completing 60 semester units that are eligible for transfer to the CSU, including a minimum of 20 units in the major and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, with a grade of C or P or better in all major courses and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).
Program Learning Outcomes: Upon successful completion of the program, students will be able to:
1. describe the scientific environment in which they live and the challenges of their personal lives.
2. describe the coherence among disciplines and promotion of openness to the diversity of the human experience.
3. employ important skills that are critical for success in the modern workplace, such as verbal and written communication, mathematics, the effective use of technology for work and research, and the ability to work with others and live responsibly.
4. identify major topics, developments, debates, and issues in anthropology, apply their knowledge of key concepts in anthropology to discuss, analyze, and synthesize a variety of theoretical and practical foci within the discipline.
5. discuss their global, national, and local perspective on issues pertaining to anthropology, preparing them for multiple pathways for future study and career opportunities.

Note: this award can also be found in the Science, Technology, Engineering & Mathematics TCAP Pathway

Required Core Courses (9 units):
ANTHRO 101 Human Biological Evolution (3)
ANTHRO 102 Human Ways of Life: Cultural Anthropology (3)
ANTHRO 103 Archeology: Reconstructing the Human Past (3)
List A: Complete one course from the following: (3-4units)
ANTHRO 104 Human Language and Communication (3)
MATH 227   Statistics (4)
MATH 227S Statistics with Support (4)
STAT 001 Elementary Statistics I for the Social Sciences (3)

List B: Complete one to two course from the following: (3-5 units)
Any List A course not already used or the following:
ANATOMY 001 Introduction to Human Anatomy (4)
GEOLOGY 001 Physical Geology (3)
and
GEOLOGY 006 Physical Geology Laboratory (1)
(To satisfy List B requirement, both GEOLOGY 001 & 006 are required, GEOLOGY 001 will not meet requirement without lab)
PSYCH 010 Behavioral Research Methods (4)
SOC 004 Sociological Analysis (3)

List C: Complete one course from the following (3 units)
Any List A or B course not already used or any of the following:
ANTHRO 121 Anthropology of Religion, Magic and Witchcraft (3)
ANTHRO 132 Native People of North America (3)

Major	18-21
Additional CSU GE or IGETC Requirements	21-26
(Not including 9-16 double-countable major units)	
Additional CSU-Transferable Units	12-21
Total	60
*Effective Fall 2024	

PROGRAM UPDATES *(CONTINUE)*

Associate in Science in Early Childhood Education for Transfer (AS-T) Degree
Academic Plan: H032690H
Click Here for CHILD DEVELOPMENT Program Mapper

The Associate in Science in Early Childhood Education for Transfer (AS-T) degree is intended for students planning to transfer into a Bachelor of Science program in Child Development, Child and Adolescent Development, Human Development, Education, or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program.
A student may earn an Associate in Science in Early Childhood Education for Transfer degree by completing 60 semester units that are eligible for transfer to the CSU, including 25 units in Early Childhood Education, 1 elective unit, and either the Intersegment General Education Transfer Curriculum (IGETC) or California State University General Education requirements, all with a grade of C or P (if the course is graded on a P/NP basis) or better and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).
Program Learning Outcomes: Upon successful completion of the program, students will have achieved the following outcomes: the ability to:

- demonstrate the use of developmentally appropriate practices for young children.

- evaluate and demonstrate the roles of Early Childhood Education professionals in preparing children for school success.

- plan and implement curriculum domain experiences/activities for preschool and/or school-age children.

- advocate for children's rights to develop their potential for becoming productive, well-adjusted members of society.

- implement a plan for professional success to include obtaining a California Child Development Permit to qualify for employment in programs receiving funding from Federal, State, private (profit and non-profit), and family child care sources.

- develop practical ideas for implementing culturally relevant and anti-bias education in core curriculum areas.

Note: this award can also be found in the Education TCAP Pathway
Major Requirements (25 units):
CH DEV 001 Child Growth and Development (3)
CH DEV 002 Early Childhood Principles and Practices (3)
~~CH DEV 004 Creative Experiences for Children II (3)~~
CH DEV 007 Introduction to Curriculum in Early Childhood Education (3)
CH DEV 010 Health, Safety and Nutrition (3)
CH DEV 011 Child, Family, and Community (3)
CH DEV 022 Practicum in Child Development (4)
CH DEV 034 Observing and Recording Children's Behavior (3)
CH DEV 042 Teaching in a Diverse Society (3)

Major	25
Additional CSU GE or IGETC Requirements	33
(Not including 3-6 double-countable major units)	
Additional CSU or UC-Transferable Units	1-2
Total	60

~~*Additional IGETC Requirements: Per SB 1440 and approved by the Intersegmental Curriculum Workgroup (ICW) on January 30, 2014: The need to specify one transfer GE pattern as the means of completing the degree within 60 semester units does not prevent a college from awarding an ADT when a student chooses to use a different pattern, i.e., CSU GE.~~
*EFFECTIVE Fall 2024

Associate in Arts in Liberal Arts & Sciences:
Arts and Humanities Degree
Academic Plan: H018706C
Click Here for LIBERAL ARTS & SCIENCES PROGRAM MAPPER

The Associate in Arts in Liberal Arts & Sciences degrees are designed for students who desire a broad base of knowledge in the liberal arts and sciences.
The courses in this area emphasize the study of cultural, literary, humanistic, and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them with respect to artistic and cultural creation. Students will also learn to value aesthetics and incorporate these concepts when constructing value judgments. The Arts and Humanities concentration allows students to take courses that will prepare them for possible majors within the fields of Art, Foreign Languages, Humanities, Music, Philosophy and more. See the program learning outcomes listed under the subject heading.

Program Learning Outcomes: Upon successful completion of the program, a student will be able to…
- Demonstrate proficiency in verbal communication.
- Employ numeracy and quantitative reasoning to solve problems.
- Differentiate between facts and opinions and identify biases and logical fallacies in sources of information.
- Demonstrate the ability to form conclusions based on the analysis of evidence.
- Describe social constructs that guide ethical decision-making.
- Describe the role of human events and forms of expression in shaping society.

Note: this award can also be found in the Arts, Performance & Design TCAP Pathway
(Choose 18 units minimum)
ARC 132 Architectural History 1: Prehistory to the Middle ages (3)
ARC 133 Architectural History II: Late Middle Ages to Modern (3)
ART 100 Introduction to Studio Art for Non-Art Majors (3)
ART 101 Survey of Art History I (3)
ART 102 Survey of Art History II (3)
ART 103 Art Appreciation I (3)
ART 111 History of Contemporary Art (3)
ART 201 Drawing II (3)
ART 300 Introduction to painting (3)
ART 501 Beginning Two-Dimensional Design (3)
ART 502 Beginning Three-Dimensional Design (3)
ART 639 Introduction to Digital Imaging (3)
ART 713 Beginning Ceramics I (2)
CHICANO 032 Central American Literature (3)
CHICANO 034 Central American Arts (3)
CHICANO 036 Central American Film (3)
COMM 101 Public Speaking (3)
COMM 104 Argumentation and Debate (3)
COMM 121 Interpersonal Communication (3)
COMM 122 Intercultural Communication (3)
COMM 151 Small Group Communication (3)
~~COMM 190 Communication and New Media (3) *Effective Fall 2023~~
COUNSEL 001 Introduction to College (1)
COUNSEL 002 Interpersonal Relationships (1)
COUNSEL 004 Career Planning (1)
COUNSEL 005 College Survival (2)
COUNSEL 006 Career Planning for Students with Disabilities (1)
COUNSEL 017 College Survival Skills Development (1)
COUNSEL 020 Post-Secondary Education: The Scope of Career Planning (3)
COUNSEL 022 The Transfer Process (1)
COUNSEL 040 College Success Seminar (3)
DANCEST 805 History and Appreciation of Dance (3)
ENGLISH 102 College Reading and Composition II (3)
ENGLISH 127 Creative Writing (3)
ENGLISH 203 World Literature I (3)
ENGLISH 204 World Literature II (3)
ENGLISH 205 English Literature I (3)
ENGLISH 206 English Literature II (3)
ENGLISH 207 American Literature I (3)
ENGLISH 208 American Literature II (3)

PROGRAM UPDATES *(CONTINUE)*

ENGLISH 209 California Literature (3)
ENGLISH 211 Fiction (3)
ENGLISH 213 Dramatic Literature (3)
ENGLISH 214 Contemporary Literature (3)
ENGLISH 215 Shakespeare I (3)
ENGLISH 218 Children's Literature (3)
ENGLISH 219 The Literature of American Ethnic Groups (3)
ENGLISH 223 Creative Notification (3)
ENGLISH 234 African American Literature I (3)
ENGLISH 239 Women Literature (3)
ENGLISH 240 Literature and Motion Picture I (3)
ENGLISH 251 The Short Story (3)
ENGLISH 260 Detective and Crime Fiction (3)
ENGLISH 265 Asian Pacific Islander American Literature and Popular Culture (3)
ENGLISH 270 Science Fiction – Fantasy (3)
ENGLISH 271 Graphic Fiction (3)
ENGLISH 272 Video Games as Literature (3)
FRENCH 001 Elementary French I (5)
FRENCH 002 Elementary French II (5)
FRENCH 003 Intermediate French I (5)
FRENCH 004 Intermediate French II (5)
FRENCH 005 Advanced French I (5)
FRENCH 010 French Civilization (3)
FRENCH 025 French and Francophone Short Story in Translation (3)
FRENCH 026 Understanding French Culture through Film (3)
HISTORY 001 Introduction to Western Civilization I (3)
HISTORY 002 Introduction to Western Civilization II (3)
HISTORY 043 The Mexican-American in the History of the United States I (3)
HISTORY 044 The Mexican-American in the History of the United States II (3)
HISTORY 074 Asian Civilization (3)
HISTORY 081 A History of Working People in the United States I (3)
HISTORY 082 A History of Working People in the United States II (3)
HISTORY 086 Introduction to World Civilization I (3)
HISTORY 087 Introduction to World Civilization II (3)
HUMAN 001 Cultural Patterns of Western Civilization (3)
HUMAN 003 The Arts of Contemporary Society (3)
HUMAN 006 Great People, Great Ages (3)
HUMAN 008 Great Women in the Humanities (3)
HUMAN 017 Film Appreciation (3)
HUMAN 030 The Beginnings of World Civilization (3)
HUMAN 060 People and Their World: Technology and the Humanities (3)
HUMAN 077 Medieval Civilizations (3)
JAPAN 001 Elementary Japanese (5)
LIB SCI 101 College Research Skills (1)
MUSIC 100 Music in Society (3)
MUSIC 101 Fundamentals of Music (3)
MUSIC 111 Music Appreciation I (3)
MUSIC 116 Survey and History of Rock, Pop and Soul Music (3)
MUSIC 118 Film Music Appreciation (3)
MUSIC 141 Jazz Appreciation (3)
MUSIC 216-1 Music Theory I (3)
MUSIC 216-2 Music Theory II (3)
MUSIC 216-3 Music Theory III (3)
MUSIC 216-4 Music Theory IV (3)
MUSIC 217-1 Musicianship I (1)
MUSIC 217-2 Musicianship II (1)
MUSIC 217-3 Musicianship III (1)
MUSIC 217-4 Musicianship IV (1)
MUSIC 501 College Choir (1)
MUSIC 700 Large Ensemble (1)
PHILOS 001 Introduction to Philosophy (3)
PHILOS 006 Logic in Practice (3)
PHILOS 020 Ethics (3)
PHILOS 033 Comparative Survey of World Religions (3)
SPANISH 001 Elementary Spanish I (5)

SPANISH 002 Elementary Spanish II (5)
SPANISH 003 Intermediate Spanish I (5)
SPANISH 004 Intermediate Spanish II (5)
SPANISH 012 Survey of Mexican Literature (3)
SPANISH 021 Fundamentals of Spanish I (3)
SPANISH 022 Fundamentals of Spanish II (3)
SPANISH 035 Spanish for Spanish Speakers I (5)
SPANISH 036 Spanish for Spanish Speakers II (5)
THEATER 100 Introduction to Theater (3)
THEATER 110 History of the World Theater (3)
THEATER 200 Introduction to Acting (3)
THEATER 270 Beginning Acting (3)
THEATER 275 Scene Study (2)
THEATER 300 Introduction to Stage Craft (3)

Major	18
Additional LACCD GE Requirements	9-21
(Not including 18 double-countable major units. Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.)	
Additional degree-applicable Requirements	21-33
Total Units	60

PROGRAM UPDATES *(CONTINUE)*

Associate in Arts in Liberal Arts & Sciences: Social and Behavioral Sciences Degree
Academic Plan: H018709C
[Click Here for LIBERAL ARTS & SCIENCES PROGRAM MAPPER](#)

The Associate in Arts in Liberal Arts & Sciences degrees are designed for students who desire a broad base of knowledge in the liberal arts and sciences.

These courses focus on people as members of society. The courses in this area are designed to develop an awareness of the method of inquiry used by the Social and Behavioral sciences. Students will learn the perspectives, concepts, theories and methodologies of the disciplines that comprise the social and behavioral sciences, and will learn to think critically about, and appreciate, the ways people act and have acted in societies and social subgroups. The social and Behavioral Sciences concentration allows students to take courses that will prepare them for possible majors within the fields of Anthropology, Economics, History, Political Science, Psychology, Sociology and more. See the program learning outcomes listed under the subject heading.

Program Learning Outcomes: Upon successful completion of the program, a student will be able to…
- Demonstrate proficiency in verbal communication.
- Employ numeracy and quantitative reasoning to solve problems.
- Differentiate between facts and opinions and identify biases and logical fallacies in sources of information.
- Demonstrate the ability to form conclusions based on the analysis of evidence.
- Describe social constructs that guide ethical decision-making.
- Describe the role of human events and forms of expression in shaping society.

Note: this award can also be found in the Society, Culture & Communication TCAP Pathway

(Choose 18 units minimum)
ADM JUS 001 Introduction to Administration of Justice (3)
AFRO AM 004 The African American in the History of the U.S. I (3)
AFRO AM 005 The African American in the History of the U.S. II (3)
ANTHRO 101 Human Biological Evolution (3)
ANTHRO 102 Human Ways of Life: Cultural Anthropology (3)
ANTHRO 103 Archaeology: Reconstructing the Human Past (3)
ANTHRO 104 Human Language and Communication (3)
ANTHRO 111 Laboratory in Human Biological Evolution (1)
ANTHRO 121 Anthropology of Religion, Magic and Witchcraft (3)
BUS 001 Introduction to Business (3)
CH DEV 001 Child Growth and Development (3)
CHICANO 002 The Mexican-American in Contemporary Society (3)
CHICANO 007 The Mexican-American in the History of the U.S. I (3)
CHICANO 008 The Mexican-American in the History of the U.S. II (3)
CHICANO 019 History of Mexico (3)
CHICANO 031 The Central American Experience
CHICANO 033 Introduction to Central American Studies (3)
CHICANO 047 The Mexican-American Woman in Society (3)
COMM 190 Communication and New Media (3)
COUNSEL 001 Introduction to College (1)
COUNSEL 002 Interpersonal Relationships (1)
COUNSEL 004 Career Planning (1)
COUNSEL 005 College Survival (2)
COUNSEL 006 Career Planning for Students with Disabilities (1)
COUNSEL 017 College Survival Skills Development (1)
COUNSEL 020 Post-Secondary Education: The Scope of Career Planning (3)
COUNSEL 022 The Transfer Process (1)
COUNSEL 040 College Success Seminar (3)
ECON 001 Principles of Microeconomics (3)
ECON 002 Principles of Macroeconomics (3)
FIRETEK 201 Fire Protection Organization (3)
GEOG 002 Cultural Elements of Geography (3)

GEOG 007 World Regional Geography (3)
HISTORY 001 Introduction to Western Civilization I (3)
HISTORY 002 Introduction to Western Civilization II (3)
HISTORY 005 History of the Americas I (3)
HISTORY 006 History of the Americas II (3)
HISTORY 011 Political and Social History of the United States to 1877 (3)
HISTORY 012 Political and Social History of the United States from 1865 (3)
HISTORY 019 History of Mexico (3)
HISTORY 020 History of California and the Pacific Coast (3)
HISTORY 021 History of Russian People (3)
HISTORY 041 The African American in the History of the U.S I (3)
HISTORY 042 The African American in the History of the U.S II (3)
HISTORY 043 The Mexican American in the History of the United States I (3)
HISTORY 044 The Mexican American in the History of the United States II (3)
HISTORY 052 The Role of Woman in the History of the U.S. (3)
HISTORY 058 The Asian American in the History of the United States (3)
HISTORY 074 Asian Civilization (3)
HISTORY 081 A History of Working People in the United States I (3)
HISTORY 082 A History of Working People in the United States II (3)
HISTORY 086 Introduction to World Civilization I (3)
HISTORY 087 Introduction to World Civilization II (3)
LIB SCI 101 College Research Skills (1)
MATH 227 Statistics (4)
MATH 227S Statistics with Support (4)
MUSIC 100 Music in Society (3)
POL SCI 001 The Government of the United States (3)
POL SCI 002 Introduction to Comparative Politics (3)
POL SCI 004 Introduction to State and Local Governments (3)
POL SCI 007 Introduction to International Relations (3)
POL SCI 030 The Political Process (3)
PSYCH 001 Introductory Psychology (3)
PSYCH 002 Biological Psychology (3)
PSYCH 003 Personality and Social Development (3)
PSYCH 014 Abnormal Psychology (3)
PSYCH 015 Adult Development and Aging (3)
PSYCH 041 Life-Span Psychology: From Infancy to Old Age (3)
PSYCH 052 Psychological Aspects of Human Sexuality (3)
SOC 001 Introductory to Sociology (3)
SOC 002 American Social Problems (3)
SOC 004 Sociological Analysis (3)
SOC 012 Marriage and Family Life (3)
SOC 021 Human Sexuality (3)
STAT 001 Elementary Statistics I for the Social Science (3)

Major	**18**
Additional LACCD GE Requirements	**12-18**
(Not including 3-9 double-countable major units. Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.	
Additional Degree-applicable Requirements	**24-30**
Total Units	**60**

PROGRAM UPDATES *(CONTINUE)*

Certificate of Achievement in Pre-Health Professions
Academic Plan: H041103D
Click Here for PRE-HEALTH PROFESSIONS PROGRAM MAPPER

The Pre-Health Professions Certificate of Achievement will prepare students for entry into health professional programs such as Nursing. Courses in this certificate are prerequisites for many health professional programs and are transferable to various majors at four-year institutions. Some variations of entry requirements may exist among health professional programs and will require students to seek advice from a counselor and refer to the school of interest.

Program Learning Outcomes: Upon successful completion of the program, students will be able to:
- Perform basic laboratory tests using laboratory equipment and methods.
- Work safely in a laboratory or clinical setting and follow safety protocols.
- Describe human anatomy and physiology in health and disease.

Note: this award can also be found in the Science, Technology, Engineering & Mathematics and Health, Human Services & Public Safety TCAP Pathway

Core (12 units):
ANATOMY 001 Introduction to Human Anatomy (4)
MICRO 020* General Microbiology (4)
PHYSIOL 001* Introduction to Human Physiology (4)

Electives (choose two courses, 6-8 units):
BIOLOGY 033 Medical Terminology (3)

CHEM 051 Fundamentals of Chemistry I (5)
or
CHEM 065 Introduction to General Chemistry (4)
 or
CHEM 101 General Chemistry I (5)

PSYCH 001 Introductory Psychology (3)
PSYCH 041* Life-Span Psychology: From Infancy to Old Age (3)

Total (Core and Electives)	**18-20**

*This course has a prerequisite.
*Effective Fall 2024

Associate in Science Degree in Engineering
Academic Plan: H008298C

The Associate in Science degree in Engineering Program introduces students to the high-demand fields of Engineering including, but not limited to Aerospace, Chemical, Civil, Electrical, Manufacturing, Mechanical, and Structural Engineering.

Engineers are significant and valuable members of our society relied on to produce solutions through the utilization, design, and development of many technologies. With the increasing demand for qualified engineers in the workforce, this program allows those in the local community the opportunity to fill a vital role.

Students must be aware that completion of the course selection will not satisfy all lower division requirements. The program is listed to permit sufficient flexibility for students transferring to a variety of institutions. Engineering majors are highly selective and impacted at most universities and students are advised to make themselves as competitive as possible when applying for admission both in GPA and course preparation. Students should consult with an LA Harbor College Counselor, assist.org, university websites, and the admission at their intended transfer destination to make sure they are adequately prepared for transfer.

Students intending to transfer: Some campuses require MATH 270 + MATH 275 in addition to the Math courses listed in the core requirement; and most UC campuses require CHEM 102 and PHYSICS 039 in addition to Chemistry and Physics in the core requirement. (See a counselor to determine if these requirements apply.)

Program Learning Outcomes
1. Upon completion of the program, students will demonstrate basic knowledge of engineering principles of design and analysis and exhibit effective communication skills and ethical behavior as shown through their written work, teamwork, and lab work.

Major (38-40 units):

Required Core Courses (30 units): Take all of the following for a total of 30 units
CHEM 101 General Chemistry (5)
*MATH 265 Calculus with Analytic Geometry I (5)
*MATH 266 Calculus with Analytic Geometry II (5)
*MATH 267 Calculus with Analytic Geometry III (5)
*PHYSICS 037 Physics for Engineers & Scientists I (5)
*PHYSICS 038 Physics for Engineers & Scientists II (5)

Choose at least three courses as appropriate to satisfy the intended transfer institution's requirements. (8-10 units)

(Please consult with your Counselor in the course selection below to ensure a smooth transition to the four-year institution of choice)

ENG GEN 101 Introduction to Science, Engineering and Technology (2)
EGD TEK 101 Engineering Graphics (3)

*ENG GEN 122 Programming and Problem-Solving in MATLAB (3)
Or
CS 116 Programming in C++ (3)

PROGRAM UPDATES *(CONTINUE)*

*ENG GEN 131 Statics (3)
*ENG GEN 151 Materials of Engineering (3)
*ENG GEN 220 Electrical Circuits (4)
*ENG GEN 231 Dynamics (3)
*ENG GEN 241 Strength of Materials (3)

Major Requirements	**38-40**
(Not including 6 double-countable major units)	
Additional LACCD GE Plan Requirements	**15**
Degree-applicable Electives	**5-7**
Total	**60**

*This course has a prerequisite.

Effective Summer 2024

PROGRAM UPDATES *(CONTINUE)*

Associate in Arts in English for Transfer (AA-T) Degree
Academic Plan: H032673G
Click Here for ENGLISH PROGRAM MAPPER

The Associate in Arts in English for Transfer (AA-T) Degree is intended for students planning to transfer into a Bachelor of Arts program in English or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program.

A student may earn an Associate in Arts in English for Transfer (AA-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including 18 units in English, Humanities, and/or Journalism, **12**-17 elective units, and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, with a grade of C or P or better in all major courses and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

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

- compose writing that expresses the writer's viewpoint and which utilizes the fundamentals of rhetoric and editing.
- demonstrate the fundamentals of technological literacy.
- communicate effectively for differing audiences and purposes.
- demonstrate critical thinking skills by conducting research, evaluating source material and presenting supportive, reasoned arguments on substantive issues in accordance with an appropriate style guide.

Note: this award can also be found in the Education TCAP Pathway

Core (6 units):
ENGLISH 102 College Reading and Composition II (3)
ENGLISH 103 Composition and Critical Thinking (3)

List A (choose 6 units):
ENGLISH 203 World Lit I (3)
ENGLISH 204 World Lit II (3)
ENGLISH 205 ~~English~~ British Lit. I (3)
formerly English Literature I
ENGLISH 206 ~~English~~ British Lit. II (3)
formerly English Literature II
ENGLISH 207 American Lit. I (3)
ENGLISH 208 American Lit. II (3)

List B (choose 3 units):
Any course from List A not already used or any of the following:
ENGLISH 127 Creative Writing (3)
ENGLISH 209 California Literature (3)
ENGLISH 211 Fiction (3)
ENGLISH 213 Dramatic Literature (3)
ENGLISH 214 Contemporary Literature (3)
ENGLISH 215 Shakespeare I (3)
ENGLISH 218 Children's Literature (3)
ENGLISH 219 American Ethnic Groups (3)
ENGLISH 234 African-American Literature I (3)
ENGLISH 239 Women's Literature (3)
ENGLISH 240 Literature and Motion Picture I (3)
ENGLISH 265 Asian Pacific Islander American Literature and Popular Culture (3)
ENGLISH 270 Science Fiction – Fantasy (3

List C (choose 3 units):
Any course from Lists A or B not already used or any of the following:
ANTHRO 104 Archaeology: Reconstructing the Human Past (3)
BUS 032 Business Communications (3)
ENGLISH 223 Creative Nonfiction (3)
ENGLISH 251 The Short Story (3)
ENGLISH 260 Detective and Crime Fiction (3)

ENGLISH 271 Graphic Fiction (3)
ENGLISH272 Video Games as Literature (3)
JOURNAL 101 Collecting and Writing News (3)
HUMAN 001 Cultural Patterns of Western Civilization (3)
THEATER 100 Introduction to the Theater (3)

Major (Core and Lists A, B, and C) 18	
Additional CSU GE or IGETC Requirements	**25-30**
(Not including 9-12 double-countable major units)	
Additional CSU-Transferable Units	**12-17**
Total	**60**

*Effective Fall 2024

Associate in Science Degree in Pre-Health Professions
Academic Plan: H041104C
Click Here for PRE-HEALTH PROFESSIONS PROGRAM MAPPER

The Pre-Health Professions AS will prepare students for entry into health professional programs such as Nursing. Courses in this degree are prerequisites for many health professional programs and are transferable to various majors, such as Nursing, at four-year institutions. Some variations of entry requirements may exist among health professional programs and will require students to seek advice from a counselor and refer to the school of interest.

Program Learning Outcomes: Upon successful completion of the program, students will be able to:
- Perform basic laboratory tests using laboratory equipment and methods.
- Work safely in a laboratory or clinical setting and follow safety protocols.
- Describe human anatomy and physiology in health and disease.

Note: this award can also be found in the Science, Technology, Engineering & Mathematics and Health, Human Services & Public Safety TCAP Pathway

Core: (18 units)
ANATOMY 001	Introduction to Human Anatomy (4)
MICRO 020*	General Microbiology (4)
PHYSIOL 001*	Introduction to Human Physiology (4)
PSYCH 001	Introductory Psychology (3)
SOC 001	Introduction to Sociology (3)

LIST A (Choose 2 courses)
BIOLOGY 033	Medical Terminology (3)
NURSING 364	Pharmacology (3)
PSYCH 041*	Life-Span Psychology: From Infancy to Old Age (3)

LIST B (Choose 1 course)
Any course from List A not already used or any of the following:
CHEM 051   Fundamentals of Chemistry I (5)
or
CHEM 065	Introduction to General Chemistry (4)
or	
CHEM 101	General Chemistry I (5)

NURSING 302	Mathematics of Drugs and Solutions (3)
Major Requirements	**27-29**
Additional LACCD GE Requirements	**15**
(Not including 6 double-countable major units. Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.)	
Additional Degree-applicable Requirements	**16-18**
Total	**60**

*This course has a prerequisite.

*Effective Fall 2024

COURSE UPDATES

Modifications are designated in blue color

ADM JUS 003: LEGAL ASPECTS OF EVIDENCE

- 3 units, Letter, 3 lec, DE
- DA, CSU/UC, C-ID AJ 124

This course includes the kinds and degrees of evidence and the rules governing the admissibility of evidence in court.

*Effective Fall 2024

ANTHRO 111: Laboratory in Human Biological Evolution

- 1 unit, Letter, 0 lec/3 lab, D
- DA, CSU,UC, CSUGE B3, IGETC 5C, C-ID ANTH 115 L
- Prerequisite or Corequisite: ANTHRO 101

This course will enable students to apply key concepts and techniques in physical anthropology. Through the understanding and use of scientific methodology, students will experience how to solve problems related to=], genetics, human variation, the living primates, and human paleontology.

*Effective: Fall 2021

BIOTECH 002: BIOTECHNOLOGY I

- 4 units, Letter, 2 lec/4 lab, DE
- DA, CSU, UC
- Prerequisite: CHEM 065

A lecture/laboratory course that introduces students to the field of biotechnology. Lecture topics include the chemical aspects of life, cell structure and function, fundamentals of cell and molecular biology, and bioethics. In the laboratory students are introduced to basic laboratory skills, quality control, data analysis, instrumentation, and techniques relevant to biotechnology/research and its practical applications.

*Effective Fall 2024

CH DEV 022: Practicum in Child Development I

- 4 units, Letter, 2 lec/6 lab, 144:00 TBA, DE
- DA, CSU, C-ID ECE 210
- Prerequisite: CH DEV 001, 002, 004, and 011.
- Prerequisite: CH DEV 001, 002, 007, and 011.

This course provides advanced supervised practicum in a variety of Early Childhood Education programs including infant centers, private preschools, State and Federally funded child development centers, special education centers, family child care homes, and school age programs. The student will relate all previous theory and curriculum courses to practical application in the classroom.

Students must show proof of a current negative TB skin test or chest x-ray within the last twelve months, in addition to proof of immunizations against tetanus, diphtheria, pertussis (TDAP), measles, mumps, rubella (MMR), and influenza (FLU) before beginning placement. Students are expected to engage in 6 TBA hours per week (108 total) outside of the scheduled contact hours.

*Effective Fall 2024

CHEM 051: Fundamentals of Chemistry I

- 5.0, Letter, 4 lec/3 lab, DE
- DA, CSU, LACCD GE A, CSU GE B1 & B3
- Conditions of Enrollment: Completion of Intermediate algebra or the equivalent.

This is an introductory course designed for nursing and Allied Health students, who do not take Chemistry 101, yet need a physical science course with laboratory. This course covers, in an introductory manner, the basic principles, laws, and nomenclature of inorganic chemistry, organic chemistry, and biochemistry.

*Effective Fall 2024

CHEM 066: Organic and Biochemistry for Allied Health

- 5 units, Letter, 3 lec/6 lab
- DA, CSU,UC, LACCDGE A, CSUGE B1 & B3
- Prerequisite: CHEM 051 or CHEM 065

This course covers the organic and biochemical principles found in physiology and metabolic processes. Topics include organic and biochemistry with emphasis on the role of chemistry in health and disease, as well as molecular diseases and metabolic abnormalities.
UC limits how much credit you can receive for taking this course. See "UC Credit Limitations" section of this catalog for information.

*Effective Summer 2024

CHICANO 002: The Mexican-American In Contemporary Society

- 3.0, Letter, 3 lec, DE
- DA, CSU, UC, LACCD GE B2, CSU GE D

This course introduces the student to the major characteristics of the largest growing ethnic group in the United States. Special Attention is given to the social, cultural, economic, and political elements which differentiate Mexican-Americans in relationship to other groups in American society.

*Effective Fall 2024

CHICANO 007: The Mexican-American in The History of The United States I

- 3.0, Letter, 3 lec, DE
- DA, CSU, UC, LACCD GE B2, CSU GE D, IGETC 4

A survey of the United States history as it relates to the development of the Chicano in the United States with a special emphasis on Mexican-American contributions to the development of American Civilization. This course covers Pre-Columbian and Mexican colonial periods, the northward advance and settlement of the present-day U.S. Southwest/Southeast. Topics also include a background in the political and social development of both the United States and Mexico, the role and impact of the American Revolution, U.S. Constitution, and the Bill of Rights.

*Effective Fall 2024

CHICANO 008: The Mexican-American In the History of the United States II

- 3.0, Letter, 3 lec, DE
- DA, CSU, UC, LACCD GE B2, CSU GE D or F, IGETC 4 or 7
- Fulfills the LACCD Associate Degree ethnic studies graduation requirement.

Students study the historical evolution of the Chicano in the nineteenth century to contemporary America. Discussion centers on the participation, contributions, experiences of and by the Chicano community. Major areas include the historical socio-political, economic and educational struggles of Mexican-Americans since the mid-19th century. Topics include the Mexican American Southwest, the Post War conflict, American Expansionism, Westward movements, U.S. Treaties of Cahuenga & Guadalupe Hidalgo, U.S. Constitution, Bill of Rights, Mexican Revolution, Immigration, the Great Depression, Desegregation struggle, American Nativism, Mexican Repatriation and Deportations, WWII, Zoot-Suit Riots, Acculturation period, Bracero Program, Mexican American Labor Movement, Chicano Movement, and the Post Civil Rights Era.

*Effective Fall 2024

CHICANO 019: History of Mexico

- 3.0, Letter, 3 lec, DE
- DA, CSU, UC, LACCD GE B2, CSU GE D, IGETC 4

This survey course covers the entire span of Mexican history. It includes a consideration of the pre-conquest period, Spanish invasion and colonization, the War of Independence, the turmoil of the nineteenth century, the period of Diaz, the 191 Revolution, the post-Revolution period, and a view of trends in contemporary Mexico.

*Effective Fall 2024

COURSE UPDATES *(CONTINUE)*

CHICANO 031: The Central American Experience

- 3.0, Letter, 3 lec, DE
- DA, CSU, UC, LACCD GE B2, CSU GE D or F, IGETC 4 or 7
- Fulfills the LACCD Associate Degree ethnic studies graduation requirement.

Through an interdisciplinary ethnic studies lens, this course introduces the Central American experience in the United States with emphasis on the transnational connections between the countries of origin and the communities of residence in the United States. Students learn about the experience of Central Americans by critically analyzing race, racism, racialization, ethnicity, equity, ethno-centrism, eurocentrism, white supremacy, self-determination, liberation, decolonization, sovereignty, imperialism, settler colonialism, and anti-racism. Students learn about the conditions in Central America that lead to emigration to the United States. Additionally, the course investigates specific challenges faced by Central American migrants on their journeys to the United States and critically examine the struggle for racial and social justice in the United States. Students critically examine the connection between transnational politics as it relates to migration and immigration to the United States for the Central Americans. The course also examines support networks established in the United States to help these communities adapt to their new homeland.

*Effective Fall 2024

CHICANO 032: Central American Literature

- 3.0, Letter, 3 lec, DE
- DA, CSU, UC, LACCD GE C, CSU GE C2, IGETC 3B

This course critically examines Central American literary traditions from pre-Hispanic times to the present. The course focuses on 20th and 21st century literary movements as they explore the historical and political context in which Central American art is produced and the ways in which literary production contributes to the construction of a contemporary version of Central American identity.

*Effective Fall 2024

CHICANO 034: Central American Arts

- 3.0 Letter, 3 lec, DE
- DA, CSU, UC, LACCD GE C, CSU GE C1, IGETC 3A

Students in this course examine Central American artistic traditions from pre-Hispanic times to the present. The course focuses on the cultural and sociopolitical construction of Central American identities through historical and contemporary artistic creation and representation as well as an analysis of the relationship between the region and the rest of Latin America. The main emphasis is placed on historical and political elements, Central American ethnic and cultural diversity, the multiple struggles for visibility, and the ideological proposals that these works pose. It includes a discussion of the cultural and sociopolitical dimensions of art and the relationship between artistic production and the construction of a contemporary version of Central American identity.

*Effective Fall 2024

CHICANO 036: Central American Film

- 3.0, Letter, 3 lec, DE
- DA, CSU, UC, LACCD GE C, CSU GE C1, IGETC 3A

Students in this course examine the history of the development of Central American cinema and analysis of film, digital media, and video production by Central Americans. The course focuses on 20th and 21st century film and video production, with the main emphasis placed on the historical and political context in which Central American cinema is produced, the ideological proposals that these works make, and the ways in which this production contributes to the construction of a contemporary version of Central American identity.

*Effective Fall 2024

CHICANO 047: The Mexican-American Woman in Society

- 3.0, Letter, 3 lec, DE
- DA, CSU, UC, LACCD GE B2, CSU GE D or F, IGETC 4 or 7
- Fulfills the LACCD Associate Degree ethnic studies graduation requirement.

This course provides students with a basic understanding of the Chicana in contemporary society. Emphasis is placed on establishing a framework from which to view the historical development and treatment of woman in modern society. An Analysis of selected Latina issues currently affecting Chicana woman is included.

*Effective Fall 2024

CIS 285: ~~Directed Study: Computer Science-Information Technology~~ Directed Study – Computer Information Systems

- 2 units, Letter, 2 lec, DE
- DA, CSU

This course help students pursue their own, an in-depth study of a subject of special interest, in the field of Computer Science Information Technology, Computer Information Systems and Computer Application topic(s). Consultation with the instructor on a weekly basis, plus independent work is required.

*Effective Fall 2024

CS 113: Programming in Java

- 3 units, Letter, 2 lec/2 lab, DE
- DA, CSU,UC, C-ID COMP 112 & 122

This course teaches the fundamental principles of object-oriented programming design and concepts to design applications, using the Java programming language. It uses the latest version of the Java Standard Edition Development Kit. Students learn to design and develop programs using the following programming techniques and constructs: Algorithm development, data representation using variable and constant objects; control structures; designing classes, methods, and functions; use of arrays; and Graphical User Interface design.

CS 116: Programming in C++

- 3 units, Letter, 2 lec/2 lab, DE
- DA, CSU, UC, C-ID COMP 112, C-ID COMP 122
- ~~Prerequisite: CS 100~~

In this course, students are introduced to basic concepts of Computer Science, problem-solving methods, algorithms, software design principles, testing, debugging, and basics of C++. Topics include variables, expressions, data types, input/output (I/O), branches, loops, functions, parameter passing, file I/O, and arrays.

*Effective: Fall 2024

CS 119: Programming in Python

- 3 units, Letter, 2 lec/2 lab, DE
- DA, CSU, UC, C-ID COMP 112

This course covers topics of the Python language, which include: Data types, variables, control structures, objects and object-oriented programming, standard mathematical libraries, tool-chain use and Python Frameworks, user-defined classes and abstract collections, single arrays, multidimensional arrays, Python lists, tuples, collections, and dictionaries.

COURSE UPDATES (CONTINUE)

E.S.L. 110: College Composition for Non-Native Speakers

- 4 units, Letter, 4 Lec, DE
- DA, CSU, UC, LACCDGE D1, CSU GE A2, IGETC 1A, C-ID ENGL 100
- Prerequisite: Eligibility for college-level composition as determined by college assessment through District Placement Model.
- Advisory: E.S.L. 008

This English composition transfer-level course is designed for non-native English speakers and emphasizes preparing students for the writing and critical reading demands across the disciplines by covering academic genres representative of the college at large. Students receive instruction in expository and argumentative writing, appropriate and effective use of language, close reading, cogent thinking, and research strategies. An additional focus is integrated grammar and academic vocabulary instruction based on needs typical of second-language learners.

UC limits how much credit you can receive for taking this course. Please see ASSIST.org for more information.

*Effective Fall 2024

ENG GEN 231: Dynamics

- 3 units, Letter, 2 lec/3 lab
- DA, CSU/UC

This course covers fundamentals of kinematics and kinetics of particles and rigid bodies. Topics include kinematics of particle motion, Newton's second law, work-energy and momentum methods, kinematics of planar and three-dimensional motions of rigid bodies, work-energy and momentum principles for rigid body motion, and an introduction to mechanical vibrations.

*Effective Fall 2024

ENGLISH 205: ~~English~~ British Literature I

- 3 units, Letter, 3 lec, DE
- DA, CSU/UC, LACCDGE C, CSUGE C2, IGETC 3B, C-ID ENGL 160
- Prerequisite: ENGLISH 101 or 101X or 101Y or 101Z or E.S.L. 110

This course surveys the literature of England from the Old English period to the late Neo-Classical period.

*Effective Fall 2024

ENGLISH 206: ~~English~~ British Literature II

- 3 units, Letter, 3 lec, DE
- DA, CSU/UC, LACCDGE C, CSUGE C2, IGETC 3B, C-ID ENGL 165
- Prerequisite: ENGLISH 101 or 101X or 101Y or 101Z or E.S.L. 110

This course is a continuation of English 205. British Literature of the Romantic, Victorian, and Modern Periods is read and discussed.

*Effective Fall 2024

ENGLISH 218: Children's Literature

- 3 units, Letter, 3 lec, DE
- DA, CSU, UC, LACCDGE C, CSUGE C2, IGETC 3B, C-ID ENGL 180
- Prerequisite: ENGLISH 101 or 101X or 101Y or 101Z

This survey course analyzes picture books, folk tales, fantasy and modern realism written for children from preschoolers to teens.

*Effective Fall 2024

FRENCH 004: Intermediate French II

- 5 units, Letter, 5 lec, DE
- DA, CSU/UC, LACCDGE C, CSU GE C2, IGETC 3B, 6A
- Prerequisite: FRENCH 003

This intermediate course reviews the simple tenses, and explores in detail the present subjunctive, and the compound tenses. Students develop skills in reading and writing in French through work with journalistic articles, short stories and short films. This class also emphasizes the cultural heritage of France and other French-speaking countries.

*Effective Fall 2024

HISTORY 001: Introduction to Western Civilization I

- 3 units, Letter, 3 lec, DE, Honors
- DA, CSU/UC, LACCDGE B2, CSUGE C2 or D, IGETC 3B or 4, C-ID HIST 170

This course surveys the political, economic, social, religious, and intellectual activities of Western Civilization from the pre-history period through the fifteenth century. The study includes the ancient Middle East, Egypt, Greece, Rome, the Middle Ages, and the Renaissance and Reformation.

*Effective Fall 2024

HISTORY 002: Introduction to Western Civilization II

- 3 units, Letter, 3 lec, DE
- DA, CSU/UC, LACCDGE B2, CSUGE C2 or D, IGETC 3B or 4, C-ID HIST 180

This course surveys Western Civilization from the Protestant Reformation to the present. Major topics include the political, economic, and social organization of Europe with emphasis upon the rise of the nation state and industrialization. European imperialism in the nineteenth and twentieth centuries is also examined.

*Effective Fall 2024

KIN 217-2: Self-Defense Skills II

- 1 unit, Letter, 0.5 lec/1.5 lab, DE
- DA, CSU/UC, LACCD E2, CSU GE E (CSU GE Area E cannot be fulfilled by using only physical activity courses)
- Prerequisite: KIN 217-1
- Family: K07 Kin – Martial Arts/Combatives

This course instructs the student in self-defense and personal safety skills for men and women against deadly dangerous and other physical attacks at a beginning karate and martial arts skills level. The course includes discussion of safe defense and protection strategies and the promotion of mental and physical well-being.

*Effective Fall 2024

KIN ATH 555: Intercollegiate Cross Country-Fitness & Skills Training

- 1 unit, Letter, Repeatable, 3 lab, DE
- DA, CSU/UC, LACCD E2, CSU GE E (CSU GE Area E cannot be fulfilled by using only physical activity courses)

The intercollegiate cross country fitness class is designed for the student athlete to train in the off-season. Students will receive advanced strength and conditioning training specific to cross country with an emphasis on proper training principles, running fundamentals, injury prevention, and safety. The student also learns running strategies necessary for competition at intercollegiate levels.

*Effective Fall 2024

COURSE UPDATES *(CONTINUE)*

KIN ATH 563: Intercollegiate Volleyball-Fitness & Skills Training

- 1 unit, Letter, Repeatable, 3 lab, DE
- DA, CSU/UC, LACCD E2, **CSU GE E (CSU GE Area E cannot be fulfilled by using only physical activity courses)**

Designed for the student athlete. It is intended to provide focused strength and conditioning and flexibility exercises, emphasize safety and injury prevention and present new rules and game plays for volleyball.

*Effective Fall 2024

KIN ATH 564: Intercollegiate Softball-Fitness & Skills Training

- 1 unit, Letter, Repeatable, 3 lab, DE
- **DA, CSU/UC, LACCD E2, CSU GE E (CSU GE Area E cannot be fulfilled by using only physical activity courses)**

Designed for the student athlete and provides an advanced strength and conditioning program specific to softball, emphasizing injury prevention and safety. The goal of this class is to improve general fitness and strength and to increase explosiveness and speed. The student also learns strategic plays necessary for competition at advanced levels.

*Effective Fall 2024

MATH 215: ~~Principles of Mathematics I~~ Mathematical Concepts for Teachers I

- 3 units, Letter, 3 lec, DE
- DA, CSU/UC, LACCDGE D2, CSUGE B4
- Prerequisite: Intermediate Algebra, the equivalent or higher, completed at the secondary or post-secondary level; or by placing into any college-level math course.
- Prerequisite: MATH 125 or 125S or guided self-placement.*

First of two courses in a sequence designed for elementary school teachers. Emphasis is on the pedagogy of sets and relations, numeration systems, basic problem solving, elementary number theory through in-depth, integrated explorations of topics in mathematics, including real number systems and subsystems.
UC limits how much credit you can receive for taking this course. See "UC Credit Limitations" section of this catalog for information.

*Effective Fall 2024

MATH 216: ~~Principles of Mathematics Ii~~ Mathematical Concepts for Teachers II

- 3 units, Letter, 3 lec, DE
- DA, CSU/UC, LACCDGE D2, CSUGE B4
- Prerequisite: MATH 215 or guided self- placement.*

Second of two courses in a sequence designed for elementary school teachers. Emphasis is on the pedagogy of probability, statistics networks, basic geometry concepts and their applications.

UC limits how much credit you can receive for taking this course. See "UC Credit Limitations" section of this catalog for information.

*Effective Fall 2024

MATH 236: Calculus for Business and Social Science

- 5 units, Letter, 5 lec, DE
- DA, CSU/UC, LACCDGE D2, CSUGE B4, IGETC 2A, C-ID MATH 140
- ~~Prerequisite: MATH 260~~
- Conditions of Enrollment: Completion of Intermediate Algebra the equivalent or higher; or eligibility to enroll in transfer-level math/statistics
- This course consists of basic concepts in differential and integral calculus in single and multiple variables with applications for business, life and social sciences. Topics include limits, derivatives, maxima and applications, integration techniques with application, and graphs.
- UC limits how much credit you can receive for taking this course. See "UC Credit Limitations" section of this catalog for information.

*Effective Summer 2024

MATH 265: Calculus with Analytic Geometry I

- 5 units, Letter, 5 lec, DE
- DA, CSU/UC, LACCDGE D2, CSUGE B4, IGETC 2A, **C-ID MATH 210 (Effective Summer 2020)**
- Prerequisite: MATH 240 and 260 or **MATH 241 and MATH 260, or MATH 241S and MATH 260**

The first course in differential and integral Calculus of a single variable. Topics include algebraic and transcendental functions; limits and continuity; techniques and applications of differentiation and integration; curve sketching and Fundamental Theorem of Calculus. Primarily for Science, Technology, Engineering & Math majors.

UC limits how much credit you can receive for taking this course. See "UC Credit Limitations" section of this catalog for information.

MICRO 020: General Microbiology

- 4 units, Letter, 3 lec/3 lab, DE
- DA, CSU, UC, LACCDGE A, CSUGE B2 & B3, IGETC 5B & 5C
- Prerequisite: CHEM 051 or CHEM 065, or ~~066~~, or 101 or complete 1 year of high school Chemistry with a grade of C or better.

This course surveys the principles of microbiology and how they relate to the entire biological world and to humans. Topics include: chemistry of life, cell structure, metabolic processes, human infection and disease, immunology, molecular genetics, and microbe ecology.

*Effective Summer 2024

MUSIC 111: MUSIC APPRECIATION ~~I~~

- 3 units, Letter, 3 lec, DE, Honors
- DA, CSU/UC, LACCDGE C, CSUGE C1, IGETC 3A, C-ID MUS 100

This course is an introduction to music and musical masterpieces. They are presented through lectures, reports, and recordings. The course is recommended for the general college student who wishes to improve his/her understanding of music.

*Effective Fall 2024

COURSE UPDATES *(CONTINUE)*

NURSING 325: Nursing Process & Practice in the Care of Adult Client II

- 5 units, Letter, 3 lec/6 lab, 108:00 TBA, DE
- DA, CSU
- Prerequisite: NURSING 323; Advisory: NURSING 185
- **Non-Course Condition: Must pass dosage calculation examination prior to clinical.**

A passing score on the Mathematics skills test is required for satisfactory clinical performance. This course emphasizes care of the medical-surgical patient with nutritional, elimination, fluid and electrolyte, rest and activity, sensory and regulatory needs, and connective tissue disorders. Nursing process based on the Roy Adaptation Model is continued. Communication and teaching are practiced. This course may have a practicum.

PHILOS 009: Symbolic Logic I

- 3 units, Letter, 3 lec, DE
- DA, CSU/UC, C-ID PHIL 210

Students analyze techniques for representing truth-functional statements using letters and symbols, determining the validity of arguments using such statements, and demonstrating validity through formal proofs using a natural deduction system. Covers both sentential and predicate logic.

*Effective Fall 2024

PHYSIOL 001: Introduction to Human Physiology

- 4 units, Letter, 3 lec/3 lab, DE
- DA, CSU/UC, LACCDGE A, CSUGE B2 & B3, IGETC 5B & 5C, C-ID BIOL 120 B
- ~~Prerequisite or Corequisite: CHEM 065~~
- Prerequisite: CHEM 051 or 065 or 101 or complete 1 year of high school Chemistry with a grade of C or better.

This course provides a basic understanding of the physiological processes with a focus on the human body. Basic concepts of cell structure, membrane transport and membrane potential are integrated within the concept of homeostasis involving various body systems: nervous, sensory, endocrine, muscular, cardiovascular, immune, respiratory, excretory, digestive and respiratory.
*Effective Summer 2024

PSYCH 003: Personality and Social Development

- 3 units, Letter, 3 lec, DE
- DA, CSU,UC, LACCDGE B2 or E1, CSUGE D or E, IGETC 4, C-ID PSY 115

This course is a study of personal development and adjustment in society as well as the psychosocial and cultural influences on childhood, adolescence, and adulthood. Emphasis on the application of psychological research and theories to the development of social skills and personal adjustments as well as practical approaches to problems of personal development and social relationships will be examined.
*Effective Fall 2024

PSYCH 052: Psychological Aspects of Human Sexuality

- 3 units, Letter, 3 lec, DE
- DA, CSU, UC, LACCD B2, CSU GE D or E, IGETC 4, C-ID PSY 130
- Prerequisite: PSYCH 001

Students information about different psychological aspects of sexual expression such as the biochemical factors, childhood experiences, gender influences, and societal influences. Topics include attraction, love, marriage, the sexual response cycle, sexual orientation, paraphiliac, prostitution, rape, and pornography.

*Effective Fall 2024

PSYCH 076: Data Visualization in the Social Sciences

- 4.0, Letter, DE
- DA, CSU, UC, CSU GE B4
- Prerequisite: STAT 001 or STAT 101

Introduction to quantitative data across social sciences, including organizing data, describing data sets, graphing, and visual reasoning. Examples will be drawn from Communications, Political Science, Psychology, Sociology, and other disciplines.

*Effective Fall 2024

SOC 021: Human Sexuality

- 3 units, Letter, 3 lec, **DE**
- DA, CSU/UC, LACCDGE E1, CSUGE D or E, IGETC 4

This course provides a comprehensive introduction to the cultural, behavioral, psychosocial, and biological aspects of human sexuality in a way that is meaningful to students. Topics will also include AIDS, physical and emotional orgasmic response, myths, sexual variance and dysfunction, gender identity, gender roles, communication about sex, love. Improving sexual satisfaction, sexuality throughout life cycle and cross-cultural variations in sexual expression.

Effective Fall 2024

SPANISH 036: Spanish for Spanish Speakers II
- 5 units, Letter, 5 lec, DE
- DA, CSU, UC, LACCDGE C, CSUGE C2, IGETC 3B & 6A, C-ID SPAN 220
- Prerequisite: SPANISH 035
- Other Limitations on Enrollment: Students should be native Spanish speakers or pass a Placement Exam.

This course is the second part of a sequence of two designed for students who are speakers of Spanish but have had little or no academic preparation in standard Spanish. Students continue improving their reading and writing skills and vocabulary expansion and continue to increase their awareness and proper application of linguistic registers and Spanish grammar. Students practice discussion, listening, reading, and writing in the context of the geography, customs, and cultures of the Spanish-speaking countries and of the Latino experience in the United States.

*Effective Fall 2024

STAT 101: Statistics for the Social Sciences
- 4 Units, Letter, 4 lec, DE
- DA, CSU, UC, LACCDGE D2, CSUGE B4, IGETC 2A (Effective Fall 2024), C-ID SOCI 125 (Effective Spring 2024)
- Conditions of Enrollment: Intermediate Algebra, the equivalent or higher, completed at the secondary or post-secondary level; or by placing into any college-level math course. (Effective Fall 2024)
- ~~Prerequisite: Eligibility met to enroll in transfer-level math/statistics~~

This course focuses on data collection, hypothesis testing and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from disciplines including business, social sciences, psychology, life science, health science, and education.

CORRECTIONS

<mark>Correction to pg. 169 of the AA-T Psychology. The correct listing to List B and List C is below:</mark>

Associate in Arts in Psychology for Transfer (AA-T) Degree
Academic Plan: H032613G

The Associate in Arts in Psychology for Transfer (AA-T) Degree is intended for students planning to transfer into a Bachelor of Arts program in Psychology or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program.

A student may earn an Associate in Arts in Psychology for Transfer (AA-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including 19-20 units in Psychology, Statistics or Mathematics, and/or Biology, 10-16 elective units, and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, with a grade of C or P or better in major courses and a minimum cumulative grade point average (GPA) of 2.0.

Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes: Upon successful completion of the program, students will be able to:
- compare and contrast the major theoretical orientations in psychology, demonstrate knowledge of basic psychological terminology and be able to express this clearly when writing or speaking about psychology.
- evaluate psychological data, draw reasonable conclusions, recognize the ethical implications of these conclusions, and apply these conclusions to personal, community, and scientific problems.
- integrate content knowledge derived through the evaluation of relevant sources of traditional and electronic information and demonstrate an ethical use of these sources.
- recognize the complexity of social, cultural, and international diversity and the principles of equity, justice, and inclusion in their lives.
- apply psychological principles to the development of interpersonal, occupational, and social skills and lifelong personal growth.

 Note: this award can also be found in the Health, Human Services & Public Safety and the Science, Technology, Engineering & Mathematics TCAP Pathway

Core: (10-11 units)

MATH 227	Statistics (4)
or	
MATH 227S	Statistics with Support (4)
or	
STAT 001	Statistics I for the Social Sciences (3)
or	
STAT 001S	Statistics I for the Social Sciences with Support (3)
PSYCH 001	Introductory Psychology (3)
PSYCH 010	Behavioral Research Methods (4)

List A: Select one (3 units)

PSYCH 002	Biological Psychology II (3)

List B: Select one (3 units)
Any course from List A not already used or one of the following:
PSYCH 041   Life-Span Psychology (3)
PSYCH 014 Abnormal Psychology (3)

List C: Select one (3 units)
Any course from List A or B not already used or one of the following:
PSYCH 003 Personality and Social Development (3)
PSYCH 015 Adult Development and Aging (3)
PSYCH 042   Industrial Organizational Psychology (3)
PSYCH 052 Psychological Aspects of Human Sexuality (3)
PSYCH 066 Introduction to Critical Thinking (3)

Major (Core and Electives)	**19-20**
Additional CSU GE or IGETC Requirements	**25-30**
(Not including 9-12 double-countable major units)	
Additional CSU-Transferable Units	**10-16**
Total	**60**

*Effective Fall 2023

<mark>Correction to the Total Hours of the Certificate, the total hours is 72 hours for the minimum and maximum. (Pg. 211)</mark>

Certificate of Completion: Fundamentals of Developing a Sustainable Small Business Enterprise
Academic Plan: H043702E
This certificate introduces students to the hands-on details that they need to understand in developing their business model including setting out and developing the operational, management, and financial logistics are needed to navigate and create a sustainable small business enterprise.
Upon completion of the required 2 courses, students will receive a Certificate of Completion in Fundamentals of

Developing a Sustainable Small Business Enterprise This certificate provides a pathway to career and college degree coursework in Business and/or Entrepreneurship.
Program Learning Outcome: Upon completion of the certificate program, students will be able to articulate and plan a financially viable and sustainable small business enterprise.

Required Core (0 Units)

VOC ED 191CE	Starting Your Own Small Business (36 hours)	
VOC ED 192CE	Managing Small Business Operations (36 hours)	
Total hours		**72 Min**
		72 Max

<mark>Correction to the Total Hours of the Certificate, the total hours is 72 hours for the minimum and maximum. (Pg. 212)</mark>

Certificate of Completion: Strategies for Marketing a Sustainable Small Business Enterprise
Academic Plan: H043703E
This certificate introduces students to strategies that will enable them to skillfully market their product and maintain a sustainable small business venture using various social media tools.

Upon completion of the required 2 courses, students will receive a Certificate of Completion in Strategies for Marketing a Sustainable Small Business Enterprise. This certificate provides a pathway to career and college degree coursework in Business and/or Entrepreneurship.

Program Learning Outcome: Upon completion of the certificate program, students will be able to market their small business enterprise using a variety of social media tools.

Required Core (0 Units)

VOC ED 193CE	Marketing and Sales for Small Business (36 hours)	
VOC ED 194CE	Technology for Small Business (36 hours)	
Total hours		**72 Min**
		72 Max

<mark>Correction to the Total Hours of the Certificate, the total hours is 72 hours for the minimum and maximum. (Pg. 210)</mark>

Certificate of Completion: Introduction to Sustainable Small Business Development
Academic Plan: H043701E
This certificate introduces students the basic concepts skills and resources that are foundational in building sustainable small business enterprises and an understanding of the key financial elements that are necessary to maintain a profitable entrepreneurial venture.

Upon completion of the required 2 courses, students will receive a Certificate of Completion in Introduction to Sustainable Small Business Development. This certificate provides a pathway to career and college degree coursework in Business and/or Entrepreneurship.

CORRECTIONS *(CONTINUE)*

Program Learning Outcome: Upon completion of the certificate program, students will be able to understand the importance of building socially responsible, entrepreneurial idea, product, or service. They will also be able to evaluate various funding streams that would provide financial viability.

Required Core (0 Units)

VOC ED 190CE	Pathway to Socially Responsible Entrepreneurship (36 hours)
VOC ED 195CE	Entrepreneurial Finance (36 hours)

Total hours	**72 Min**
	72 Max

*Effective Fall 2023

Correction to Table of Contents for Adult Education & Noncredit section for Business (Non-Credit):
Business (Non-Credit) ------------------------------------208
     CCn Fundamentals of Warehousing and Distribution
     CCn International Sales and Marketing Professional
     CCn Introduction to Sustainable Small Business Development
     CCn Fundamentals of Developing a Sustainable Small Business Enterprise
     CCn Strategies for Marketing a Sustainable Small Business Enterprise
     CCn Sustainable Small Business Development
*Effective Fall 2023

Correction to ANIMATN 218 Course description (Course Units Added) (Pg. 253)
ANIMATN 218: Fundamentals of Animation

- 3.0 Letter, 2 lec, 4 lab

- DA, CSU

- This course provides foundational animation concepts and experimental techniques. The concepts include squash and stretch, anticipation, overlapping action, analyzing, and depicting natural forces. The techniques introduced include drawing, puppet making, sand, paint, and cutouts, providing the basic principles of animation focusing on timing and weight through a series of projects

Correction to A.S. Real Estate (Pg. 49)
The A.S. Real Estate was archived effective Fall 2022

Correction to the AA in Liberal Arts & Sciences: Health and Fitness (Pg. 153 and 154); Music 100 is not an approved course for the degree.

Correction, the Associate in Arts in Psychology (H030319C) is listed as an AA-T degree but rather it's not, the correct title is "Associate in Arts in Psychology (pg. 170)"
Associate in Arts in Psychology ~~for Transfer~~ Degree
Academic Plan: H030319C
Click Here for PSYCHOLOGY PROGRAM MAPPER

The Associate of Arts degree in Psychology will give students a foundation for more advanced psychology courses and a foundation for optimal human interaction in the workplace and/or in their own personal relationships. Students who complete this degree will be prepared to transfer to four-year institutions with which an articulation agreement has been established.

Program Learning Outcomes: Upon successful completion of the program, students will be able to:
- compare and contrast the major theoretical orientations in psychology, demonstrate knowledge of basic psychological terminology and be able to express this clearly when writing or speaking about psychology.
- evaluate psychological data, draw reasonable conclusions, recognize the ethical implications of these conclusions, and apply these conclusions to personal, community, and scientific problems.
- integrate content knowledge derived through the evaluation of relevant sources of traditional and electronic information and demonstrate an ethical use of these sources.
- recognize the complexity of social, cultural, and international diversity and the principles of equity, justice, and inclusion in their lives.
- apply psychological principles to the development of interpersonal, occupational, and social skills and lifelong personal growth.

Note: this award can also be found in the Society, Culture & Communication and the Science, Technology, Engineering & Mathematics TCAP Pathway

Core (13 -14 units):

PSYCH 001	Introductory Psychology (3)
PSYCH 002	Biological Psychology (3)
PSYCH 010	Behavioral Research Methods (4)
STAT 001	Elementary Statistics I for the Social Sciences (3)
or	
MATH 227	Statistics (4)
or	
MATH 227S	Statistics with Support (4)

List A (choose 3 units minimum)

PSYCH 003	Personality and Social Development (3)
PSYCH 014	Abnormal Psychology (3)
PSYCH 015	Adult Development and Aging (3)
PSYCH 041	Life-Span Psychology: From Infancy to Old Age (3)

List B (choose 3 units minimum)

ANTHRO 101	Human Biological Evolution (3)
ANTHRO 102	Human Ways of Life: Cultural Anthropology (3)
SOC 001	Introduction to Sociology (3)
SOC 021	Human Sexuality (3)

Major (Core and Lists A and B)	**19-20**
Additional LACCD GE Plan Requirements	**12-13**
(Not including 7-8 double-countable major units. Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.)	
Additional Degree-applicable Requirements	**27-29**
Total	**60**

Correction: The A.S. Business Administration was left out from the 23-25 Catalog. It is an active degree program, and the requirements are listed below.
Associate in Science Degree in Business Administration
Academic Plan: H002770C
Click Here for BUSINESS PROGRAM MAPPER

The Associate in Science Degree in Business is designed to meet the educational needs of employees, managers and business owners. This program qualifies the student for careers in business, government and other organizations.

Program Learning Outcomes: Upon successful completion of the program, students will be able to:
1. Demonstrate an understanding of all business functions, practices and related theories and be able to integrate this functional knowledge in order to address business problems.
2. Demonstrate effective oral and written communication skills in English.
3. Demonstrate conceptual learning, critical thinking, and problem-solving skills.
4. Employ quantitative and technological skills to analyze and interpret business data and improve business performance.
5. Demonstrate an understanding of and sensitivity to all forms of diversity, including, but not limited to: learning style, sex, age, ethnicity, national origin, religion, gender, gender identity, marital/family status, veteran status, disability, mental capacity, and economic status.
6. Demonstrate awareness of ethical, social responsibility, and citizenship issues in decision making at the local and regional levels.

Core (25 units):

ACCTG 001	Introductory Accounting I (5)
ACCTG 002	Introductory Accounting II (5)
BUS 001	Introduction to Business (3)
BUS 005	Business Law I (3)
BUS 032	Business Communications (3)
BUS 038	Business Computation (3)
CIS 101	Introduction to Computers and Their Uses (3)

formerly CO INFO 001

CORRECTIONS *(CONTINUE)*

Electives (choose 15 units minimum):

CIS 190	E-Commerce Essentials (3)	
FINANCE 001	Principles of Finance (3)	
FINANCE 002	Investments (3)	
FINANCE 008	Personal Finance and Investments (3)	
INTBUS 001	International Trade (3)	
MARKET 001	Principles of Selling (3)	
MARKET 021	Principles of Marketing (3)	
MARKET 023	Introduction to Social Media Marketing (3)	
MGMT 002	Organization and Management Theory (3)	
MGMT 013	Small Business Entrepreneurship (3)	
MGMT 033	Human Capital Management (3)	
SUPV 001	Elements of Supervision (3)	

Major (Core and Electives)	**40**
Additional LACCD GE Requirements	**18**
(Not including 3 double-countable major units. Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.)	
Additional Degree-applicable Requirements	**2**
Total	**60**

Correction to pg. 171 catalog for the listing of the Science, Technology, Engineering & Mathematics Degree: Electronic Engineering Technology and Engineering Technology are no longer active programs, and not supposed to have been listed there.

Correction, the College Pathways/TCAPS for the Science, Technology, Engineering & Mathematics (pg. 20), the Electronic Engineering Technology: AS Electronic Engineering Technology and CA Electronic Technology are no longer active programs and should have not be listed in the 23-25 catalog.

~~**Electronic Engineering Technology**~~

~~AS~~	~~Electronic Engineering Technology~~	~~H002781C~~
~~CA~~	~~Electronic Technology~~	~~H021638D~~

Correction, on pg. 112 and 178, for the Associate in Biology for Transfer (AS-T) Degree, the title for PHYSICS 007 should be "General Physics II" not "General Physics I"

Select one Physics sequence (8-10 units):
Sequence 1:

PHYSICS 006	General Physics I (4)
PHYSICS 007	General Physics II (4)

Correction to pg. 120 of the AA in French. The correct listing to the core is listed below:
Associate in Arts in French Degree
Academic Plan: H041096C
Click Here for FRENCH PROGRAM MAPPER

The Associate in Arts degree in French provides a solid foundation in French language and literature for those wishing to continue their study of French. The courses included in the degree prepare students who seek careers in in foreign trade, travel, translating, teaching, and government (especially in the State Department). French also provides valuable background for those pursuing studies in art, music, cinema, literature and other Romance languages. The AA degree consists of a core general education component, 23-25 units in the major, and additional elective units as needed to reach a minimum of 60 units overall. Some major courses may double count for general education.

Program Learning Outcomes: Upon completion of the program, students will be able to:

- Demonstrate high-intermediate fluency and accuracy in listening and reading comprehension skills in the French language.
- Write and speak in the French language (employing rules of French phonetics and diction) with high-intermediate proficiency using vocabulary, grammar, and idiomatic expressions acquired in class.
- Demonstrate intercultural knowledge and skills that allow the student to negotiate social exchanges in French-speaking settings abroad, and to situate the singularity of French and Francophone cultures as well as their own culture in a broader context.

Note: Students who place out of any Core course(s) and are not awarded units for those courses may complete other FRENCH courses to meet the 18-unit minimum requirements for Major Units.

Note: this award can also be found in the Education TCAP Pathway

Core (20 units):

FRENCH 001	Elementary French I (5)
FRENCH 002	Elementary French II (5)
FRENCH 003	Intermediate French I (5)
FRENCH 004	Intermediate French II (5)

Electives (choose 1 course)

FRENCH 005	Advanced French I (5)
FRENCH 010	French Civilization (3)
FRENCH 025	French and Francophone Short Story in Translation (3)
FRENCH 026	Understanding French Culture Through Film (3)

Major (Core and Electives)	**23-25**
Additional LACCD GE Requirements	**18**
(Not including 3 double-countable major units. Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.)	
Additional Degree-applicable Requirements	**17-19**
Total	**60**

Correction to pg. 90 of the AA-T in Journalism. An "Or" was placed in between MATH 227S & STAT 001. Total Major Units were corrected and should read "18-19 units" The correct listing to the core is listed below:
Associate in Arts in Journalism for Transfer (AA-T) Degree
Academic Plan: H038068G
Click Here for JOURNALISM PROGRAM MAPPER

The Associate in Arts in Journalism for Transfer (AA-T) Degree is intended for students planning to transfer into a Bachelor of Arts program in Journalism, Public Relations or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program.

A student may earn an Associate in Arts in Journalism (AA-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including **18-19** units in the major, **10-12 CSU transferable units,** and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, with a grade of C or P or better in all major courses and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes: Upon completion of the program, students will be able to demonstrate mastery of:

- an appreciation of the mass media, including free speech/free press provisions of the First Amendment, both as consumers and as potential practitioners.
- the ability to demonstrate a wide breadth and depth of understanding of mass media theories, social media and the internet, methods and concepts.
- an understanding of ethical and legal implications of media and the importance of cultural and intellectual diversity, civic engagement and social responsibility in the field of journalism.

Core:

JOURNAL 101	Collecting and Writing the News (3)
JOURNAL 105	Mass Communications (3)
JOURNAL 218-1	Practical Editing I (3)
or	
JOURNAL 220	Magazine Production (3)

List A: (Choose 3 units):

JOURNAL 258	Blogging and Social Media (3)
JOURNAL 202	Advanced Newswriting (3)

CORRECTIONS *(CONTINUE)*

PUB REL 001   Principles of Public Relations (3)

JOURNAL 218-2   Practical Editing II (3)
or
JOURNAL 217-1   Publication Laboratory (2)
and
JOURNAL 219-1   Techniques for Staff Editors (1)

List B: (Choose 6 units):
MATH 227   Statistics (4)
or
MATH 227S   Statistics with Support (4)
or
STAT 001   Elementary Statistics I for the Social Sciences (3)
or
STAT 001S   Elementary Statistics I for the Social Sciences (3)

ECON 001   Principles of Microeconomics (3)
or
ECON 002   Principles of Macroeconomics (3)

POL SCI 001   The Government Of The United States (3)
POL SCI 002   Introduction to Comparative Politics (3)
ENGLISH 103   Composition And Critical Thinking (3)
COMM 104   Argumentation and Debate (3)
COMM 101   Public Speaking (3)
COMM 121   Interpersonal Communication (3)
COMM 190   Communication and New Media (3)

Major	**18**-19
Additional CSUGE or IGETC Requirements	31-36
(Not including 3-9 double-countable major units)	
Additional CSU transferable units:	10-12
Total	60

Correction to pg. 369 of the "Health Services" section concerning Health Fees. The fees listed are out-of-date and the correct health fees are found on page 338 under the "Enrollment Fees" section. Please note the correct fees for the Fall/Spring semesters is $19.00 dollars. The correct fees for Winter/Summer is $16.00 dollars.

DEACTIVATED COURSES

CH DEV 004 (EFFECTIVE SUMMER 2024)

GENERAL EDUCATION

<table>
<tr><td colspan="2" align="center">California State University General Education Pattern
Los Angeles Harbor College 2024-2025 Advising Form</td><td>CSU GE</td></tr>
</table>

Governed by California State University Executive Order 1100

Student Name:						Student ID:		
Counselor Name:					Counselor Signature:		Date:	
Area:	A	B	C	D	E	F	CSU GE Subject Area Certification:	CSU GE Full Certification:

Courses with an (*) are listed in more than one area but may be counted in one area only.   *Legend: C=Completed   IP=In Progress   N=Need*

GENERAL EDUCATION AREAS	COURSES	C	IP	N
AREA A – ENGLISH LANGUAGE, COMMUNICATION, AND CRITICAL THINKING Three Courses, minimum of 9 semester (12-15 quarter) units, with at least one course from Oral Communication (A1), Written Communications (A2), and Critical Thinking (A3).				
A1 ORAL COMMUNICATION (minimum grade of C- required) COMM 101, 121, 122*, 151 College:				
A2 WRITTEN COMMUNICATION (minimum grade of C- required) ENGLISH 101, 101X, 101Y, 101Z; E.S.L. 110 (F24) College/AP:				
A3 CRITICAL THINKING (minimum grade of C- required) COMM 104; CS 100; ENGLISH 102, 103; JOURNAL 105; PHILOS 006; PSYCH 066 (F21) College:				
AREA B – SCIENTIFIC INQUIRY and QUANTITATIVE REASONING At least Three courses and a minimum of 9 semester units (12-15 quarter) units. One course from Physical Science (B1), Life Science (B2), Laboratory Activity (B3), and Math/Quantitative Reasoning (B4). One of the B1 or B2 courses must have a lab (shown with (L)				
B1 PHYSICAL SCIENCE ASTRON 001; CHEM 051(L) (F24), 065(L), 066 (L), 101(L), 102(L), 211(L), 212(L); ENV SCI 001; GEOG 001; GEOLOGY 001; OCEANO 001; PHYS SC 001; PHYSICS 006(L), 007(L), 011(L), 037(L), 038(L), 039 (L) College/AP/CLEP/IB:				
B2 LIFE SCIENCE ANATOMY 001(L); ANTHRO 101; BIOLOGY 003(L), 005(L), 006(L) (F22), 007(L) (F22); ENV SCI 002; MICRO 020(L) (F20); OCEANO 012; PHYSIOL 001(L); PSYCH 002 College/AP/CLEP/IB:				
B3 LABORATORY ACTIVITY (At least one course shown with (L) in Areas B1 or B2 or one of the following): ANTHRO 111 (clears lab req. w/ANTHRO 101); ASTRON 005 (clears lab req. w/ ASTRON 001); GEOG 015 (clears lab req. w/ GEOG 01); GEOLOGY 006 (clears lab req. w/ GEOLOGY 001); OCEANO 010 (clears lab req. w/OCEANO 001); PHYS SC 014 (clears lab req. w/ PHYS SC 001) College/AP:_____				
B4 MATHEMATICS/QUANTITATIVE REASONING (minimum grade of C- required) BUS 015 (F24); MATH 215, 216, 227, 227S, 230 (F20), 234, 236, 240, 241 (F23), 241S (F23), 260, 265, 266, 267, 270, 275; PSYCH 076 (F24); STAT 001, 001S (F23), 101 (F24) College/AP/CLEP/IB:_____				
AREA C – ARTS AND HUMANITIES Three courses, for a minimum of 9 semester (12-15 quarter) units, with one course from C1, one course from C2 and one course from either C1 or C2.				
C1 ARTS (Arts, Cinema, Dance, Music, Theater) ARC 132, 133; ART 100, 101, 102, 103, 111, 201; CHICANO 034 (F24), 036 (F24); DANCEST 805; MUSIC 100*, 101, 111, 116, 118, 141, 216-1; THEATER 100 College/AP/IB:_____				

CSU GE 2024-2025 rev 06/04/24

GENERAL EDUCATION *(CONTINUE)*

GENERAL EDUCATION AREAS		COURSES	C	IP	N
C2	**HUMANITIES** (Literature, Philosophy, Languages Other Than English) **CHICANO** 032 (F24); **ENGLISH** 203, 204, 205, 206, 207, 208, 209, 211, 213, 214, 215, 218, 219, 223 (F21), 234, 239, 240, 251, 260, 265, 270, 271, 272; **FRENCH** 001, 002, 003, 004 (F24), 005 (F22), 010, 026; **HISTORY** 001* (F24), 002* (F24), 043*, 044*, 074*, 081*, 082*, 086*, 087*; **HUMAN** 001, 003, 006, 008 (F20), 017, 030 (F20), 060, 077 (F20); **MUSIC** 100; **PHILOS** 001, 020, 033; **SPANISH** 001, 002, 003, 004, 012, 021, 022, 035, 036 **THEATER** 110 (F21) College/AP/CLEP/IB:_____				
C1 or C2	Choose a third course from either of the above areas, C1 ARTS <u>OR</u> C2 HUMANITIES. College/AP/IB:_____				
AREA D – SOCIAL SCIENCES (6 semester or 9 quarter units) Two Courses, minimum of 6 semester (9 quarter) units from two different disciplines recommended.					
D	**AFRO AM** 004*, 005*; **ANTHRO** 102, 103, 104, 121, 132 (F21); **BUS** 001; **CHICANO** 007 (F24), 008* (F24), 019 (F24), 031* (F24), 033 (F24), 047* (F24); **CH DEV** 001*; **COMM** 122*, 190; **EGT** 028; **ECON** 001, 002; **GEOG** 002, 007; **HISTORY** 001*, 002*, 005, 006, 011, 012, 019, 020, 021, 041*, 042*, 043*, 044*, 052, 058, 074*, 081*, 082*, 086*, 087*; **MUSIC** 100*; **POL SCI** 001, 002, 003 (F20), 004, 005 (F20), 007, 030, 050 (F20); **PSYCH** 001, 003* (F24), 010, 014, 015, 041, 042 (F21), 052*(F24); **SOC** 001, 002, 003 (F20), 004, 011 (F20), 012, 021* (F24), 031 (F20) College/AP/CLEP/IB:_____				
AREA E – LIFELONG LEARNING and SELF-DEVELOPMENT 3 semester (4-5 quarter) units required. Students may also meet Area E with military training by submitting a copy of their DD-214 to the Admissions and Records Office. per CSU EO 1036.					
E	**CH DEV** 001*, 011; **COUNSEL** 020, 040; **FAM &CS** 021; **HEALTH** 002, 006, 011, 012; **PSYCH** 003*, 052* (F24); **SOC** 021* College:_____				
AREA F – ETHNIC STUDIES (3 semester or 4-5 quarter units, one course) Requirement for new or returning students who begin at the CCC in fall 2021: Complete 3 units or 4 quarter units from Area F for full CSU GE certification. Students with catalog rights prior to fall 2021: are NOT required to complete Area F. However, continuing students may opt to follow the revised 2021-22 CSU GE Breadth pattern.					
F	**AFRO**African A**M**erican Studies 004* (F22), 005* (F21); **CHICANO** 008* (F24), 031* (F24), 047* (F24); **HISTORY** 041* (F22), 042* (F21), College:_____				
CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION & AMERICAN IDEALS					
<u>Not a part of CSU GE, but may be completed prior to transfer.</u> For CSU GE certification purposes, courses used to satisfy this CSU graduation requirement may be "double-counted," to satisfy CSU GE Subject Areas. *This graduation requirement may be met before or after transfer.*					
US1	<u>AMERICAN HISTORY</u> Historical development of American institutions and ideals **AFRO AM** 004, 005 **HISTORY** 006, 011, 012, 041, 042, 043, 044, 052, 058, 081, 082 College/AP/CLEP:_____				
US2/ US3	<u>US CONSTITUTION AND GOVERNMENT/ CALIFORNIA STATE AND LOCAL GOVERNMENT</u> **POL SCI** 001, 030 College/AP:_____				

Note: A new GE pattern (Cal-GETC) will commence in the 2025-26 academic year. Students beginning or returning to a CCC in Fall 2025 or later will be required to follow the upcoming California General Education Transfer Curriculum (Cal-GETC) requirements. Talk to your Counselor about catalog rights.

GENERAL EDUCATION *(CONTINUE)*

IMPORTANT INFORMATION

THE GOLDEN 4
AREAS A1, A2, A3, B4 (CSU Golden Four) require a C- grade or better.

CSU GE CERTIFICATION
To obtain a Bachelor's degree from a CSU campus, a student must complete 48 units of general education. A community college can certify 39 of these units as having fulfilled the CSU lower division general education requirements. The remaining 9 units of upper-division general education coursework are to be taken at the CSU campus after transfer. CSUGE Certification refers to the official notification provided by LAHC that a student transferring to any CSU campus has completed courses fulfilling CSU lower-division general education requirements. Certification is not automatic. For further information, please consult a LAHC College counselor or with the Admissions and Records Office.

PARTIAL CERTIFICATION
The CSU GE pattern does allow partial certification. Partial certification refers to certification by area (A, B, C, D, E). To be partially certified, a student must complete all courses with an area. The CSU transfer campus will require completion of the general education requirements in those sections that are not certified after transfer.

DOUBLE-COUNTING
Double counting within other areas of CSUGE is not allowed. Although a course may be listed in more than one subject area, a single course may be used just once.

CONTINUING STUDENTS (entering before Fall 2021)
Continuing students (entering before Fall 2021) that maintain continuous enrollment (or catalog rights) are not required to complete Area F. However, continuing students will need to complete 9 semester units from Area D (from at least two different disciplines) for full GE certification and transfer degrees. Please see a counselor for more information.

AP SCORES
AP Scores of 3, 4, or 5 can be used to satisfy any CSUGE subject area where acceptable. AP exam credit may be listed in more than one area; however, it can be used to satisfy only one GE area. Please refer to the LAHC AP Chart in the catalog to confirm how exams can be applied.

IB SCORES
A score of 5, 6, or 7 on the Higher-Level exams is required to grant credit for CSUGE Breadth certification. An acceptable IB score for CSUGE equates to either 3 semester or 4 quarter units for certification purposes. Students who have earned credit from an IB exam should not take a comparable college course, as transfer credit cannot be granted for both. Please see an LAHC Counselor for approved courses.

COURSES COMPLETED AT OTHER COLLEGES
1) Courses from other California Community Colleges (CCCs) can have these courses "passed along" in the certification process. LAHC will certify courses taken at other CCCs in the subject areas designated by the offering college.
2) Courses taken at other regionally accredited colleges (in-state, out-of-state, private, public) will be evaluated by counseling faculty or the Articulation Officer.
3) Courses completed at foreign institutions (without U.S. regional accreditation) cannot be used for CSUGE certification.

Course Approval Dates
For a complete listing of courses and their approval dates, please visit www.assist.org

*This form does not take the place of a counselor. The material in this publication has been prepared as carefully as possible. Los Angeles Harbor College does not assume responsibility for inaccuracies or changes in the information contained herein after the date of publication.

GENERAL EDUCATION *(CONTINUE)*

2024-2025 IGETC for UC and CSU at Los Angeles Harbor College	**IGETC**

Intersegmental General Education Transfer Curriculum (IGETC)

Student Name:_____   Student ID:_____

Counselor Name:_____   Counselor Signature:_____   Date:_____

Area: 1___ 2___ 3___ 4___ 5___ 6___ 7___   IGETC Subject Area Certification:_____   IGETC Full Certification:_____

Completion of the IGETC satisfies all lower division general education requirements at most CSU and UC campuses, and some Independent Colleges and Universities. It is not an admissions requirement to most UCs and CSUs, nor is it the only way to fulfill lower division general education requirements. Some of the UC campuses do not recommend IGETC for certain majors (i.e. Engineering, Sciences). Students should consult with a counselor to determine the most appropriate general educational pattern for their major and intended transfer institution.

Note: Courses with an (*) are listed in more than one area but may not be counted in more than one area.   C=Complete   IP=In Progress   N=Need

GENERAL EDUCATION AREAS	COURSES	C	IP	N
AREA 1 – ENGLISH COMMUNICATION CSU: 3 courses required, one each from Area 1A, 1B and 1C. UC: 2 courses required, one each from Area 1A and 1B				
1A <u>ENGLISH COMPOSITION:</u> One course (3 semester or 4-5 quarter units), from: **ENGLISH 101, 101X, 101Y, 101Z; E.S.L. 110** (F24) College/AP:				
1B <u>CRITICAL THINKING – ENGLISH COMPOSITION:</u> One course (3 semester or 4-5 quarter units), from: **ENGLISH 102, 103; PHILOS 006** (F23)**; PSYCH 066** (F23) College:				
1C <u>ORAL COMMUNICATION</u> (CSU requirement only): One course (3 semester or 4-5 quarter units), from: **COMM 101, 104, 121, 122*, 151** College:				
AREA 2A – MATHEMATICAL CONCEPTS & QUANTATIVE REASONING (one course – 3 semester or 4 quarter units)				
2A **MATH 227, 227S, 230** (F20)**, 234, 236, 260, 265, 266, 267, 270, 275; STAT 001, 001S** (F23)**, 101** (F24) College/AP/IB:				
AREA 3 – ARTS AND HUMANITIES At least 3 courses, with at least one from the Arts (3A) and one from the Humanities (3B). (9 semester or 12 quarter units)				
3A <u>ARTS</u> **ARC 132, 133; ART 100, 101, 102, 103, 111, 201; CHICANO 034** (F24)**, 036** (F24)**; DANCEST 805; MUSIC 100*, 101, 111, 116, 118, 141, 216-1; THEATER 100** College/AP/IB:				
3B <u>HUMANITIES</u> **CHICANO: 032** (F24)**; ENGLISH 203, 204, 205, 206, 207, 208, 209, 211, 213, 214, 215, 218** (F24)**, 219, 223** (F22)**, 234, 239, 240, 251, 260, 265, 270, 271, 272; FRENCH 002, 003, 004** (F22)**,005** (F23)**, 010, 026; HISTORY 001*** (F24)**, 002*** (F24)**, 074*, 081*, 082*, 086*, 087*; HUMAN 001, 003, 006, 008** (F20)**, 017, 030** (F20)**, 060, 077** (F20)**; MUSIC 100*; PHILOS 001, 020, 033; SPANISH 002, 003, 004, 012, 035** (F24)**, 036 THEATER 110** (F21) College/AP/IB:				
3A OR 3B Choose a third course from either of the above areas, 3A ARTS **OR** 3B HUMANITIES: College/AP/IB:				

GENERAL EDUCATION *(CONTINUE)*

AREA 4 – SOCIAL AND BEHAVIORAL SCIENCES Choose 2 courses from at least 2 different disciplines. (6 semester or 8 quarter units.)				
4	**AFRO AM** 004*, 005*; **ANTHRO** 102, 103, 104, 121, 132 (F21); **CHICANO** 007 (F24), 008* (F24), 019 (F24), 031* (F24), 033 (F24), 047* (F24); **CH DEV** 001; **COMM** 122*, 190; **ECON** 001, 002; **GEOG**raphy 002, 007; **HISTORY** 001*, 002*, 005, 006, 011, 012, 019, 020, 021, 041*, 042*, 043, 044, 052, 058, 074*, 081*, 082*, 086*, 087*; **MUSIC** 100*; **POL SCI** 001, 002, 003 (F21), 004, 005 (F21), 007, 030, 050 (F21); **PSYCH** 001, 003 (F24), 014, 015, 041, 042 (F21), 052 (F24); **SOC** 001, 002, 003 (F21), 004, 011 (F20), 012, 021, 031 (F21) College/AP/IB:			
AREA 5 – PHYSICAL and BIOLOGICAL SCIENCES At least 2 courses, (7 semester units or 9 quarter units) with one course from Physical Science and one course from Biological Science, one course must include a lab course. (lab courses are shown with (L).				
5A	**PHYSICAL SCIENCE** **ASTRON** 001; **CHEM** 065(L), 101(L), 102(L), 211(L), 212(L); **ENV SCI** 001; **GEOG** 001; **GEOLOGY** 001; **OCEANO** 001; **PHYS SC** 001; **PHYSICS** 006(L), 007(L), 011(L), 037(L), 038(L), 039(L) College/AP/IB:			
5B	**BIOLOGICAL SCIENCE** **ANATOMY** 001(L); **ANTHRO** 101; **BIOLOGY** 003(L), 005(L), 006(L) (F22), 007(L) (F22); **ENV SCI** 002; **MICRO** 020(L) (F20); **OCEANO** 012; **PHYSIOL** 001(L); **PSYCH** 002 College/AP/IB:			
5C	**LABORATORY SCIENCE REQUIREMENT** **ANTHRO** 111 (clears lab w/ANTHRO 101); **ASTRON** 005 (clears lab w/ASTRON 001); **GEOG** 015 (clears lab w/GEOG 001); **GEOLOGY** 006 (clears lab w/GEOLOGY 001); **OCEANO** 010 (clears lab w/OCEAN 001); **PHYS SC** 014 (clears lab w/PHYS SC 001(F21); College/AP:			
AREA 6 – LANGUAGE OTHER THAN ENGLISH (LOTE) (UC requirement only) Check one of the following:				
6	○ Completed the 2nd semester of the 2nd year or the 2nd level of a HS course in a LOTE with "C-" grade or higher ○ **FRENCH** 001, 002, 003, 004 (F22), 005 (F23); **JAPAN** 001; **SPANISH** 001, 002, 003, 004, 022, 035, 036 (F24) ○ College/AP/IB: ○ Other:			
AREA 7 – ETHNIC STUDIES (1 course (3 semester/4 quarter units) *Students who are first-time students as of Fall 2023 or later will need to complete the Area 7 Ethnic Studies requirement for full certification (one course in Area 7 and two courses from Area 4). Consult with a counselor for more information regarding which catalog rights you are allowed to assert (i.e., if you maintained continuous enrollment at a CCC, CSU or UC).*				
7	**AFRO AM** 004* (F23), 005* (F23); **CHICANO:** 008* (F24), 031* (F24), 047* (F24); **HISTORY** 041* (F23), 042* (F23) College:			
CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION & AMERICAN IDEALS (CSU requirement only)				
Not a part of IGETC, but may be completed prior to transfer. For IGETC certification purposes, courses used to satisfy this CSU graduation requirement may also be used "double-counted" to satisfy IGETC Subject Areas 3 or 4. *This graduation requirement may be met before or after transfer to the CSU.*				
US1	**AMERICAN HISTORY** Historical development of American institutions and ideals **AFRO AM** 004, 005; **HISTORY** 006, 011, 012, 041, 042, 043, 044, 052, 058, 081, 082 College/AP/CLEP:			
US2/ US3	**US CONSTITUTION AND GOVERNMENT/ CALIFORNIA STATE AND LOCAL GOVERNMENT** **POL SCI** 001, 030 College/AP:			

GENERAL EDUCATION *(CONTINUE)*

Important Information

Note: A new GE pattern (Cal-GETC) will commence in the 2025-2026 academic year. Students beginning or returning to a CCC in Fall 2025 or later will be required to follow the upcoming California General Education Transfer Curriculum (Cal-GETC) requirements. Talk to your counselor about catalog rights for IGETC.

GRADE POINT AVERAGE

A course must have a minimum unit value of 3 semester or 4 quarter units and must be completed with a "C" or better, or Pass/Credit. A 'C' is defined as a minimum 2.0 grade points on a 4.0 scale. A grade of "C-"is not acceptable. The UC system allows a maximum of 14 semester units graded "Pass/No-Pass".

IGETC Certification

LAHC can certify either full certification (completion of all requirements in each subject-area) or partial certification: a maximum of two courses may be deferred and completed after transfer: Areas 1 and 2 must be completed prior to transfer.

Official transcripts of any coursework completed outside of LACCD must be on file prior or accompany the certification request. Courses taken at other California Community Colleges will be placed in the IGETC area identified by the offering college the term the course was taken. Courses taken at other regionally accredited colleges/universities may be used if the course content meets the IGETC area standards. See a counselor for more information.

Campus Considerations

- UC Berkeley- IGETC is not accepted by the Haas School of Business nor the College of Engineering. IGETC does not fully satisfy lower-division breadth requirements for majors in the College of Chemistry nor the College of Natural Resources
- UC Davis- All undergraduate colleges accept IGETC. However, for the Bachelor of Science degrees and selective majors, IGETC is not recommended; students should focus instead of completing major preparation and taking UC Davis general education pattern courses as time permits.
- UC Irvine- All Schools accept IGETC
- UC Los Angeles- All Schools accept IGETC. However, completion of IGETC is not required/encouraged for students applying to the School of Engineering; engineering students are instead encouraged to focus on lower-division major preparation prior to transfer. For the School of Nursing and the School of Theater, Film and Television, IGETC is required.
- UC Merced- IGETC is strongly discouraged but is accepted by the School of Engineering; students are encouraged to focus on lower-division major preparation. IGETC is not recommended but accepted by the School of Natural Sciences; students are encouraged to focus on lower-division major preparation. IGETC is recommended for the School of Social Sciences, Humanities, and Arts; students are encouraged to complete as much lower-division major preparation as possible.
- UC Riverside-IGETC is recommended for the College of Humanities, Arts, and Social Sciences. The School of Business Administration required IGETC. IGETC is not accepted for the College of Natural and Agricultural Sciences. The Marlan and Rosemary Bourns College of Engineering accept IGETC but some additional coursework may be required after enrollment.
- UC San Diego- IGETC clears all lower-division GE requirements for John Muir, Earl Warren, Eleanor Roosevelt, Thurgood Marshall, and Sixth Colleges; some upper-division courses will be required after enrollment. For Revelle College, IGETC does not clear all lower-division GE requirements; students with IGETC must complete 3 courses in mathematics and 5 courses in natural science before transfer or while enrolled at UCSD.
- UC Santa Barbara-IGETC is acceptable for the College of Letters and Science and College of Creative Studies. College of Engineering students are encouraged to focus on major preparation rather than general education, but may use IGETC to substitute for general education requirements. Students planning to transfer to UCSB into a major in biological or physical sciences, economics, engineering, computer science, mathematics, statistics, or psychology must be careful to complete lower-division major preparation courses to ensure competitiveness and make normal, timely progress through the major.
- UC Santa Cruz-For majors in engineering and the physical and biological sciences, IGETC is not recommended. Students should ensure completion of lower-division courses for their intended major as indicated in the UCSC Catalog and one assist.org.

GENERAL EDUCATION *(CONTINUE)*

DOUBLE COUNTING
Double counting within IGETC is not allowed. Although a course may be listed in more than one subject area, a single course may be used just once. The only exceptions to this are several courses in Area 6A—Language Other Than English, which can also be counted towards area 3B.

Courses Taken at Foreign Institutions
Foreign coursework may be applied to IGETC if the foreign institution has United States regional accreditation. All other foreign coursework cannot be applied to IGETC. Exception: Language Other Than English (LOTE).

PROFICIENCY IN A LANGUAGE OTHER THAN ENGLISH (LOTE)
Students can certify LOTE with high school transcripts that indicate completion of course work equivalent to two years or second level foreign language of the same foreign language. A grade of C- or better in high school is required in the second semester of the second level. Students can also meet this requirement by completing a higher-level foreign language course with a grade C- or better in the second semester. Students can also apply AP language Exams towards LOTE with a score of 3, 4, or 5.

IB Scores
A score of 5, 6, or 7 on Higher Level exams is required to grant credit for IGETC area where acceptable as determined by the IGETC Standards 2.4 version.

Do I have to fulfill Area 7 Ethnic Studies?
Students who are first-time students as of Fall 2023 or later will need to complete the Area 7 Ethnic Studies requirement for full certification (one course in Area 7 and two courses in Area 4). Consult with a counselor for more information regarding which catalog rights you are allowed to assert (i.e., if you maintained continuous enrollment at a CCC, CSU or UC).

Restrictions:
A student who is initially enrolled at a UC and is returning to the same UC campus (after attending a community college) is considered a "readmit' and cannot use IGETC. However, students who initially enroll at a UC, attend a community college and return to a different UC campus, may be able to use IGETC, but should check with a counselor and/or the campus you wish to attend. This restriction does not apply to students who have taken UC summer session or extension classes only.

AP SCORES
AP scores of 3, 4, or 5 can be used to satisfy IGETC area where acceptable as determined by the IGETC Standards 2.4 version.

AP EXAMS Approved to Clear Specific IGETC GE Areas: (This list is not exhaustive. Please see Counselor for additional details).

AP Exam	Total Semester Units	GE Area	GE Semester units
Art History*	5.3	3A or 3B*	3
Biology	5.3	5B and 5C	4
Calculus AB+	2.6	2A	3
Calculus BC+	5.3	2A	3
Calculus BC/ AB sub score+	2.6	2A	3
Chemistry	5.3	5A and 5C	4
Chinese Language and Culture	5.3	3B and 6A	3
Comparative Government & Politics	2.6	4	3
Economics: Macroeconomics	2.6	4	3
Economics: Microeconomics	2.6	4	3
English: English Language and Composition+	5.3	1A	3
English: English Literature and Composition*+	5.3	1A or 3B*	3
Environmental Science	2.6	5A and 5C	3
French Language and Culture	5.3	3B and 6A	3
Government and Politics: United States	2.6	4 and US-2	3
German Language and Culture	5.3	3B and 6A	3
History European*	5.3	3B or 4*	3
History: U.S.*	5.3	3B or 4* and US 1	3
History: World*	5.3	3B or 4*	3

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GENERAL EDUCATION *(CONTINUE)*

Human Geography	2.6	4	3
Italian Language and Culture	5.3	3B and 6A	3
Japanese Language and Culture	5.3	3B and 6A	3
Latin	5.3	3B and 6A	3
Physics I+	5.3	5A and 5C	4
Physics 2+	5.3	5A and 5C	4
Physics C (Mechanics)+	2.6	5A and 5C	3
Physics C (Electricity & Magnetism)+	2.6	5A and 5C	3
Psychology	2.6	4	3
Spanish Language and Culture	5.3	3B and 6A	3
Spanish Literature and Culture	5.3	3B and 6A	3
Statistics	2.6	2A	3

*AP exam may be used in either area of the IGETC (but not both) regardless of where the certifying CCC's discipline is located.
+ English Exam Limitations: Maximum credit: 5.3 semester units for both exams| Calculus Exam Limitations: 5.3 semester units for exams | Physics Exam Limitations: 5.3 semester units for all exams.

UC Campus Guidance

Each UC campus, program and major has different rules and requirements for governing IGETC:
https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/preparing-to-transfer/general-education-igetc/igetc/campus-guidance.html

Course Approval Dates

For a complete listing of courses and their approval dates, please visit www.assist.org

*This form does not take the place of a counselor. The material in this publication has been prepared as carefully as possible. Los Angeles Harbor College does not assume responsibility for inaccuracies or changes in the information contained herein after the date of publication.

GENERAL EDUCATION *(CONTINUE)*

2024-2025 Associate Degree General Education Requirements at Los Angeles Harbor College

LACCD GE

Student Name:_____ Student ID:_____

Counselor Name:_____ Counselor Signature:_____ Date:_____

Area: A____ B____ C____ D____ E____ LACCD GE Certification:_____ C=Complete IP=In Progress N=Need

Proficiency and Local Graduation Requirement Courses used to meet proficiency requirements may also be used to meet General Education requirements	C	IP	N
1. Competency in reading and written expression may be met by one of the following:			
ENGL 101, 101X, 101Y, 101Z or E.S.L. 110 with "C" or better or "C" or better in freshman composition course (3 sem/4 qtr units) from a U.S. regionally accredited college or Passing score on Advanced Placement or CLEP exams College/AP/IB/CLEP:_____			
2. Competence in mathematics. Choose one from:			
MATH 125, 125S, 134, 137 OR by completing any Math course listed in D2 OR by providing an official regionally accredited HS transcript or College Transcript with a P or C- or better for Intermediate Algebra, or any courses approved as a CSU GE Area B4/IGETC Area 2A OR achieving a satisfactory score on an external examination (AP/CLEP/IB) College/AP/IB/CLEP:_____			
3. Ethnic Studies Requirement: New students enrolling for the first time at a LACCD campus in Fall 2023 or later, or a returning student, must complete one Ethnic Studies course to graduate with an Associate Degree. Students with catalog rights established prior to Fall 2023 are exempt from this requirement. Complete one course in Ethnic Studies below. Course may double count in a LACCD GE area.			
AFRO AM 004, 005, CHICANO 008, 031, 047; HISTORY 041, 042 College			

Note: Courses with an (*) are listed in more than one area but may not be counted in more than one area.

GENERAL EDUCATION AREAS	COURSES	C	IP	N
A – NATURAL SCIENCES (3 semester or 4 quarter units minimum) Complete one Physical OR Life Science course:				
PHYSICAL SCIENCE ASTRON 001; CHEM 051, 065, 066, 101, 102, 211, 212; ENV SCI 001; GEOG 001; GEOLOGY 001; OCEANO 001; PHYS SC 001; PHYSICS 006, 007, 011, 037, 038, 039 **LIFE SCIENCE** ANATOMY 001; ANTHRO 101; BIOLOGY 003, 005, 006, 007; ENV SCI 002; MICRO 020; OCEANO 012; PHYSIOL 001; PSYCH 002 College/AP/CLEP/IB:_____				
B – SOCIAL AND BEHAVIORAL SCIENCES (6 semester or 8 quarter units minimum) Complete one course each from B1 and B2:				
B1 **AMERICAN INSTITUTIONS (3 semester units or 4 quarter units minimum)** AFRO AM 004*, 005*; HISTORY 006*, 011*, 012*, 041*, 042*, 043*, 044*, 052*, 058*, 081*, 082* POL SCI 001*, 030* College/AP/CLEP:_____				
B2 **SOCIAL AND BEHAVIORAL SCIENCES (3 semester units or 4 quarter units minimum)** AFRO AM 004*, 005* ANTHRO102, 103, 104, 121, 132; BUS 001; CHICANO 002, 007, 008, 019, 031, 033, 047; CH DEV 001; COMM 122*, 190; EGT 028; ECON 001, 002; GEOG 002, 007; HISTORY 001*, 002*, 005, 006, 011, 012, 019, 020, 021, 041*, 042*, 043*, 044*, 052*, 058*, 074*, 081*, 082*, 086, 087; MUSIC 100*; POL SCI 001*, 002, 003, 004, 005, 007, 030*, 050; PSYCH 001, 003*, 010, 014, 015, 041, 042, 052*; SOC 001, 002, 003, 004, 011, 012, 021*, 031 College/AP/CLEP/IB:_____				

GENERAL EDUCATION *(CONTINUE)*

C – HUMANITIES (3 semester or 4 quarter units minimum) Complete one Arts OR Humanities course:				
ARTS (Arts, Cinema, Dance, Music, Theater) ARC 132, 133; ART 100, 101, 102, 103, 111, 201; CHICANO 034, 036; DANCEST 805; MUSIC 100*, 101, 111, 116, 118, 141, 216-1; THEATER 100 **HUMANITIES (Literature, Philosophy, Languages Other Than English)** CHICANO 032; ENGLISH 203, 204, 205, 206, 207, 208, 209, 211, 213, 214, 215, 218, 219, 223, 234, 239, 240, 251, 260, 265, 270, 271, 272; FRENCH 001, 002, 003, 004, 005,010, 026; HISTORY 001*, 002*, 043*, 044*, 074*, 081*, 082*, 086*, 087*; HUMAN 001, 003, 006, 008, 017, 030, 060, 077; JAPAN 022; MUSIC 100*; PHILOS 001, 020, 033; SPANISH 001, 002, 003, 004, 012, 021, 022, 035, 036 THEATER 110 College/AP/IB:				

D – LANGUAGE AND RATIONALITY (6 semester or 8 quarter units minimum) Complete one course each from area D1 and D2:					
D1	**ENGLISH COMPOSITION (1 course minimum)** ENGLISH 101, 101X, 101Y, 101Z; E.S.L. 110 College/AP: _____				
D2	**COMMUNICATION AND ANALYTICAL THINKING (1 course minimum)** *Communication* COMM 101, 104, 121, 122*, 151 *Analytical Thinking (Mathematics)* BUS 015; MATH 215, 216, 227, 227S, 230, 234, 236, 240, 241, 241S, 260, 265, 266, 267, 270, 275; PSYCH 076; STAT 001, 001S, 101 *Analytical Thinking (Critical Thinking)* COMM 104 CS 100; ENGLISH 102, 103; JOURNAL 105; PHILOS 006; PSYCH 066 College/AP/CLEP/IB:				

E – HEALTH AND PHYSICAL EDUCATION (3 semester or 4 quarter units minimum) Complete one from each Area E1 and E2: (Courses that meet both the area E1 and E2 requirements are underlined) * The entire area is waived for Veterans with a DD214-honorable discharge ** Degrees with high units may be exempt from E1 and /or E2. Please see a counselor for more information. *** Nursing degree students are exempt from both E1 and E2					
E1	**HEALTH EDUCATION (1 course minimum)** CH DEV 001, 011; COUNSEL 020, 040; FAM &CS 021; HEALTH 002, 006, 011, 012; PSYCH 003*, 052*; SOC 021* College: _____				
E2	**PHYSICAL EDUCATION ACTIVITY (1 semester / 1 quarter unit minimum)** DANCETQ141; KIN 010, 045, 046, 049, 050, 217-1, 217-2, 229-1, 229-2, 245-1, 245-2, 250-1, 250-2, 251-1, 251-2, 272, 287-1, 287-2, 291-1, 291-2, 350-1, 350-2; KIN ATH 504, 506, 511, 516, 552, 553, 555, 556, 557, 558, 563, 564; KIN MAJ 119; College: _____				

Note: A new Local GE pattern will commence in the 2025-2026 academic year. Talk to your counselor about catalog rights to your AA/AS degree.

GENERAL EDUCATION *(CONTINUE)*

LAHC Associate Degree – Graduation Requirements (2024-2025)

I. Unit Requirement: Minimum 60 semester degree applicable units of course credit in a selected curriculum.

II. Scholarship Requirements: A "C" (2.0) grade average or higher in all work attempted in the curriculum upon which the degree is based.

III. Residency Requirement: Completion of at least 12 units of work in residence and attendance at a LACCD college.

IV. Major Requirement: Minimum of 18 units in a single or related field must be completed to graduate. Each course counted towards the major or area of emphasis requirement must be completed with a C grade (2.0 or equivalent) or better.

V. General Education Plans: Students may satisfy their associate degree general education requirements by completing either the LAHC G.E. pattern, IGETC, CSU GE-Breadth, IGETC for STEM, CSU GE for STEM, an associate degree from a U.S. regionally accredited institution (Students must meet current LACCD math and English competency), or a bachelor's degree or higher.

VI. Ethnic Studies Requirement: New students enrolling for the first time at any LACCD college in the fall 2023 or later (or a returning student), must complete one ethnic studies course (minimum of 3 semester units with a grade of C or P or higher) to graduate with an Associate Degree. Courses may include any listed ethnic courses for GE Patterns CSU GE Area F, or IGETC 7.

Competency Requirements: The following courses and examinations are approved to meet the competency for the Associate Degree for all students entering fall 2009 and after.

A. Reading and Writing Expression
1. Verification of passing with a grade of C or P or higher Freshman Composition from any California Community College or the equivalent from any United States regionally accredited institution with a grade of C- or higher.
2. Verification of passing with a grade of C or P or higher a California Community College course that meets the California State University General Education Breadth (CSUGE Breadth) requirement in Area A2: Written Communication and/or the Intersegmental General Education Transfer Curriculum (IGETC) in Area 1A: English Composition.
3. Achieved a satisfactory score on an external examination (such as, but not limited to an Advanced Placement Exam) as specified in LACCD Administrative Procedures.

B. Mathematics
1. Verification of passing with a grade of C- or higher, or Credit/Pass/Satisfactory if equivalent to a grade of C- or higher per sending institution's transcript key, a mathematics course at or above the level of the course typically known as Intermediate Algebra or the equivalent from any United States regionally accredited secondary or post-secondary institution.
2. Verification of passing with a grade of C or P or higher a California Community College course that meets the California State University General Education Breadth (CSU GE Breadth) requirement in Area B4: Mathematics/Quantitative Reasoning and/or the Intersegmental General Education Transfer Curriculum (IGETC) in Area 2A: Mathematical Concepts and Quantitative Reasoning.
3. Achieving a satisfactory score (using a DAS-approved scoring-method) on a DAS-approved District Mathematics Competency examination.
4. Achieved a satisfactory score on an external examination (AP/CLEP/IB)
* Note: For students who started prior to fall 2019, have maintained continuous enrollment, and have placed into any transferable-level math, they have met math competency for all eligible associate degrees.

LACCD GE AND EXTERNAL EXAMINATIONS

LACCD GE AND EXTERNAL EXAMINATIONS
ADVANCED PLACEMENT (AP):
Unit Credit/LACCD GENERAL EDUCATION AREA/GRADUATION COMPETENCY
(INCLUDES AA IN LIBERAL ARTS & SCIENCES AREA OF EMPHASIS MAJOR REQUIREMENTS) (AP 4236 Appendix A)

AP Subject Area	AP Score	Total Semester Unit Awarded Toward AA/AS/ADT	Semester Units Applied Toward LACCD GE Requirements	Associate Degree GE Area Fulfilled	AA in Liberal Arts & Sciences: Area of Emphasis Fulfilled.
2-D Art and Design	3, 4, 5	3	3	Area C: Humanities	Arts and Humanities
3-D Art and Design	3, 4, 5	3	3	Area C: Humanities	Arts and Humanities
Art History	3, 4, 5	6	3	Area C: Humanities	Arts and Humanities
Biology	3, 4, 5	6	3	Area A: Natural Science	Mathematics & Natural Sciences
*Calculus AB	3, 4, 5	3	3	Area D2: Communication and Analytical Thinking	Mathematics & Natural Sciences
*Calculus BC	3, 4, 5	6	3	Area D2: Communication and Analytical Thinking	Mathematics & Natural Sciences
*Calculus BC/AB Sub-score	3, 4, 5	3	3	Area D2: Communication and Analytical Thinking	Mathematics & Natural Sciences
Chemistry	3, 4, 5	6	3	Area A: Natural Science	Mathematics & Natural Sciences
Chinese Language and Culture	3, 4, 5	6	3	Area C: Humanities	Arts and Humanities
Comparative Government and Politics	3, 4, 5	3	3	Area B2: Social and Behavioral Sciences	Social and Behavioral Sciences
Computer Science A	3, 4, 5	3	NA		
*Computer Science Principles	3, 4, 5	6	3	Area D2: Communication and Analytical Thinking	Mathematics & Natural Sciences
Drawing	3, 4, 5	3	3	Area C: Humanities	Arts and Humanities
**English Language and Composition	3, 4, 5	6	3	Area D1: English Composition	
AP Subject Area	AP Score	Total Semester Unit Awarded Toward AA/AS/ADT	Semester Units Applied Toward LACCD GE Requirements	Associate Degree GE Area Fulfilled	AA in Liberal Arts & Sciences: Area of Emphasis Fulfilled.
**English Literature and Composition	3, 4, 5	6	3	Area C: Humanities or Area D1: English Composition	Arts and Humanities
Environmental Science	3, 4, 5	4	3	Area A: Natural Science	Mathematics & Natural Sciences
European History	3, 4, 5	6	3	Area B2: Social and Behavioral Sciences or Area C: Humanities	Social and Behavioral Sciences or Arts and Humanities
French Language and Culture	3, 4, 5	6	3	Area C: Humanities	Arts and Humanities
German Language and Culture	3, 4, 5	6	3	Area C: Humanities	Arts and Humanities
Human Geography	3, 4, 5	3	3	Area B2: Social and Behavioral Sciences	Social and Behavioral Sciences
Italian Language and Culture	3, 4, 5	6	3	Area C: Humanities	Arts and Humanities

Japanese Language and Culture	3, 4, 5	6	3	Area C: Humanities	Arts and Humanities
Latin	3, 4, 5	6	3	Area C: Humanities	Arts and Humanities
Macroeconomics	3, 4, 5	3	3	Area B2: Social and Behavioral Sciences	Social and Behavioral Sciences
Microeconomics	3, 4, 5	3	3	Area B2: Social and Behavioral Sciences	Social and Behavioral Sciences
Music Theory	3, 4, 5	3	3	Area C: Humanities	Arts and Humanities
Physics 1	3, 4, 5	4	3	Area A: Natural Science	Mathematics & Natural Sciences
Physics 2	3, 4, 5	4	3	Area A: Natural Science	Mathematics & Natural Sciences
Physics C (Mechanics)	3, 4, 5	4	3	Area A: Natural Science	Mathematics & Natural Sciences
Physics (Electricity and Magnetism_)	3, 4, 5	4	3	Area A: Natural Science	Mathematics & Natural Sciences
Psychology	3, 4, 5	3	3	Area B2: Social and Behavioral Sciences	Social and Behavioral Sciences
AP Subject Area	**AP Score**	**Total Semester Unit Awarded Toward AA/AS/ADT**	**Semester Units Applied Toward LACCD GE Requirements**	**Associate Degree GE Area Fulfilled**	**AA in Liberal Arts & Sciences: Area of Emphasis Fulfilled.**
Precalculus	3, 4, 5	3	3	Area D2: Communications and Analytical Thinking	Mathematics & Natural Sciences
Seminar	3, 4, 5	3	0	NA	
Spanish Language and Culture	3, 4, 5	6	3	Area C: Humanities	Arts and Humanities
Spanish Literature and Culture	3, 4, 5	6	3	Area C: Humanities	Arts and Humanities
***Statistics**	3, 4, 5	3	3	Area D2: Communication and Analytical Thinking	Mathematics & Natural Sciences
United States Government and Politics	3, 4, 5	3	3	Area B1: American Institutions	Social and Behavioral Sciences
United States History	3, 4, 5	6	3	Area B1: American Institutions or Area C: Humanities	Social and Behavioral Sciences or Arts and Humanities
World History Modern	3, 4, 5	3	3	Area B2: Social and Behavioral Sciences or Area C: Humanities	Social and Behavioral Sciences or Arts and Humanities

*Fulfills Mathematics Competency

** Fulfills Reading and Written Expression Competency

LACCD GE AND EXTERNAL EXAMINATIONS *(CONTINUE)*

LACCD Advanced Placement (AP) Course Credit
FOR ASSOCIATE OF ARTS, ASSOCIATE OF SCIENCE, ASSOCIATE DEGREE FOR TRANSER (ADT) MAJOR REQUIREMENTS AND CERTIFICATE OF ACHIEVEMENT MAJOR REQUIREMENTS (AP 4236 APPENDIX B)

AP Exam	Score	Total Semester Units Awarded	LACCD Course
2-D Art and Design	3, 4, or 5	3	ART 501
3-D Art and Design	3, 4, or 5	3	ART 502
Art History	3, 4, or 5	6	ART 101; ARTHIST 110
Biology	3, 4, or 5	6	BIOLOGY 003 or 005
Chemistry	3, 4, or 5	6	CHEM 060 or 065
Comparative Government and Politics	3, 4, or 5	3	POL SCI 002
Drawing	3, 4, or 5	3	ART 201
Macroeconomics	3, 4, or 5	3	ECON 002
AP Exam	**Score**	**Total Sem. Units Awarded**	**LACCD Course**
Microeconomics	3, 4, or 5	3	ECON 001
English Language and Composition	3, 4, or 5	6	ENGLISH 101, 101X, 101Y, 101Z or E.S.L. 110
English Literature and Composition	3, 4, or 5	6	ENGLISH 101, 101X, 101Y, 101Z or E.S.L. 110
Environmental Science	3, 4, or 5	4	ENV SCI 001 and 022
European History	3, 4, or 5	6	HISTORY 001 and 002
Human Geography	3, 4, or 5	3	GEOG 002
Math: Calculus AB	3, 4, or 5	3	MATH 236 or 238, or 238S, or 247, or 261, or 265
Math: Calculus BC/AB Subscore	3, 4, or 5	3	MATH 236, or 238, or 238S, or 247, or 261, or 265
Math: Calculus BC	3, 4, or 5	6	MATH 247 & 248, or 261 & 262, or 265 & 266
Physics 1: Algebra-Based	3	4	PHYSICS 011 or 012 + 014
Physics 1: Algebra-Based	4 or 5	4	PHYSICS 006
Physics 2: Algebra-Based	3	4	PHYSICS 011 or 012 + 14
Physics 2: Algebra-Based	4 or 5	4	PHYSICS 007
Physics C: Electricity and Magnetism	3	4	PHYSICS 011 or 012+014
Physics C: Electricity and Magnetism	4 or 5	4	PHYSICS 002 or 022 or 038, 067, or 102
Physics C: Mechanics	3	4	PHYSICS 011 or 012+014
Physics C: Mechanics	4 or 5	4	PHYSICS 001 or 021 or 037 or 066, or 101
Precalculus	3, 4, or 5	3	MATH 260 or 260S
Psychology	3, 4, or 5	3	PSYCH 001
Spanish Language and Culture	3	6	SPANISH 003
Spanish Language and Culture	4 or 5	6	SPANISH 003 and 004
Spanish Literature and Culture	3, 4, or 5	6	SPANISH 004

Statistics	3, 4, or 5	3	MATH 227 or 227S or 227B, or 228B or PSYCH 091 or SOC 125 or STAT 001, or STAT 101
U.S. History	3, 4, or 5	6	HISTORY 011 and 012
U.S. Government and Politics	3, 4, or 5	3	POL SCI 001
World History: Modern	3, 4, or 5	3	HISTORY 087

Caution: The Advanced Placement unit, general education and course equivalency credit in these appendices is for LACCD degrees and certificates only. Advanced Placement credit and policies for transfer institutions, including the CSU and UC campuses, are the purview of those systems. Students are advised to consult with a counselor to ensure applicability to their educational goal.

Caution: Students should be advised that the CSU campus they matriculate to may not accept the passes exam for course credit which may result in the student having to take the course after transfer.

LACCD GE AND EXTERNAL EXAMINATIONS *(CONTINUE)*

LACCD COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) CREDIT
(AP 4238 Appendix A)

CLEP Exam	ACE Recommended Score	Total Semester Units Awarded Toward Associate Degree (1)	Semester Units Applied Toward Associate Degree GE Requirements (2)	Associate Degree GE Area Fulfilled AP 4100	Graduation Competency Requirement Met AP 4100
American Government	50	3	3	Area B1: American Institutions	
American Literature	50	3	3	Area C: Humanities	R&W Competency NOT met.
Analyzing & Interpreting Literature	50	3	3	Area C: Humanities	R&W Competency NOT met.
Biology	50	3	3	Area A: Natural Sciences	
Calculus	50	3	3	Area D2: Communication and Analytical Thinking	Mathematics Competency Met
Chemistry	50	3	3	Area A: Natural Sciences	
College Algebra	50	3	3	Area D2: Communication and Analytical Thinking	Mathematics Competency Met
College Algebra: Trigonometry	50	3	3	Area D2: Communication and Analytical Thinking	Mathematics Competency Met
College Composition	50	NA	NA	NA	NA
College Composition Modular	50	NA	NA	NA	NA
College Mathematics	50	NA	NA	NA	NA
English Literature	50	3	3	Area C: Humanities	R & W Competency NOT met
Financial Accounting	50	3	NA	NA	NA
French Language, Level 1	50	6	NA	NA	
CLEP Exam	ACE Recommended Score	Total Semester Units Awarded Toward Associate Degree (1)	Semester Units Applied Toward Associate Degree GE Requirements (2)	Associate Degree GE Area Fulfilled AP 4100	Graduation Competency Requirement Met AP 4100

CLEP Exam	ACE Recommended Score	Total Semester Units Awarded Toward Associate Degree (1)	Semester Units Applied Toward Associate Degree GE Requirements (2)	Associate Degree GE Area Fulfilled AP 4100	Graduation Competency Requirement Met AP 4100
French Language, Level 2	59	9	3	Area C: Humanities	
German Language, Level 1	50	6	NA	NA	
German Language, Level 2	63	9	3	Area C: Humanities	
History of the United States I	50	3	3	Area B1: American Institutions	
History of the United States II	50	3	3	Area B1: American Institutions	
Human Growth and Development	50	3	3	Area B2: Social and Behavioral Sciences	
Humanities	50	3	3	Area C: Humanities	
Information Systems and Computer Apps	50	3	NA	NA	
Introduction to Educational Psychology	50	3	NA	NA	
Introductory Business Law	50	3	NA	NA	
Introductory Psychology	50	3	3	Area B2: Social and Behavioral Sciences	
Introductory Sociology	50	3	3	Area B2: Social and Behavioral Sciences	
Natural Sciences	50	3	3	Area A: Natural Sciences	
Precalculus	50	3	3	Area D2: Communication and Analytical Thinking	Mathematics Competency Met
Principles of Macroeconomics	50	3	3	Area B2: Social and Behavioral Sciences	
Principles of Management	50	3	NA	NA	
Principles of Marketing	50	3	NA	NA	
Principles of Microeconomics	50	3	3	Area B2: Social and Behavioral Sciences	
Spanish Language, Level 1	50	6	NA	NA	

Spanish Language, Level 2	63	9	3	Area C: Humanities	
Spanish with Writing I	50	6	NA	NA	
Spanish with Writing Level II	63	9	3	Area C: Humanities	
Social Sciences and History	50	3	NA	NA	
Western Civilization I	50	3	3	Area B2: Social and Behavioral Sciences or Area C: Humanities	
Western Civilization II	50	3	3	Area B2: Social and Behavioral Sciences or Area C: Humanities	

1.   The scores and credit hours that appear in this table are the credit-granting scores and semester hours recommended by the American Council on Education (ACE). The scores listed above are equivalent to a grade of C in the corresponding course. The credit in this table is applicable for local Associate Degrees only.

2.   The credit listed applies toward Associate Degree GE requirements on the LACCD General Education Pattern only.

LACCD GE AND EXTERNAL EXAMINATIONS *(CONTINUE)*

<div align="center">

LACCD INTERNATIONAL BACCALAUREATE CREDIT

(AP 4237 Appendix A)

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IB Subject Area	Minimum Passing Score AA/AS	Total Semester Units Awarded Toward Associate Degree	Semester Units Applied Toward Associate Degree GE Requirements	Associate Degree GE Area Fulfilled AP 4100	Graduation Competency Requirement Fulfilled AP 4100
Biology HL	5	6	3	Area A: Natural Science	
Chemistry HL	5	6	3	Area A: Natural Science	
Economics HL	5	6	3	Area B2: Social and Behavioral Sciences	
Geography HL	5	6	3	Area B2: Social and Behavioral Sciences	
History (any region) HL	5	6	3	Area B2: Social and Behavioral Sciences	
Language A Literature HL	4	6	3	Area C: Humanities	
Language A Language and Literature HL	4	6	3	Area C: Humanities	
Language B (any language) HL	4	6	NA	NA	
Mathematics HL: Analysis and Approaches	4	6	3	Area D: Language & Rationality: Area 2. Communications and Analytical Thinking	Mathematics Competency Satisfied
Mathematics HL: Applications and Interpretation	4	6	3	Area D: Language & Rationality: Area 2. Communications and Analytical Thinking	Mathematics Competency Satisfied
PHYSICS HL	5	6	3	Area A: Natural Science	
Psychology HL	5	3	3	Area B2: Social and Behavioral Sciences	
Theater HL	4	6	3	Area C: Humanities	

COURSE APPROVED FOR C-ID

Courses Approved for C-ID (Course Identification Number)

The Course Identification Numbering System (C–ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C–ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer. Students may consult the C-ID website at https://c-id.net/courses for specific information on C-ID course designations. Counselors can always help students interpret or explain this information.

LAHC COURSE	C-ID Number
ACCTG 001	ACCT 110
ACCTG 002	ACCT 120
ADM JUS 001	AJ 110
ADM JUS 002	AJ 120
ADM JUS 003	AJ 124
ADM JUS 005	AJ 140
ADM JUS 008	AJ 220
ADM JUS 037	AJ 122
ADM JUS 067	AJ 160
LAHC COURSE	C-ID Number
ADM JUS 075	AJ 200
ANATOMY 001	BIOL 110 B
ANTHRO 101	ANTH 110
ANTHRO 102	ANTH 120

LAHC COURSE	C-ID Number
ANTHRO 103	ANTH 150
ANTHRO 104	ANTH 130
ANTHRO 111	ANTH 115 L
ART 101	ARTH 110
ART 102	ARTH 120
ART 103	ARTH 100
ART 201	ARTS 110
ART 202	ARTS 205
ART 300	ARTS 210
ART 501	ARTS 100
ART 502	ARTS 101
ART 639	ARTS 250
BIOLOGY 006	BIOL 190
BIOLOGY 006 + BIOLOGY 007	BIOL 135 S
BIOLOGY 007	BIOL 140
BIOLOGY 101 + BIOLOGY 102	BIOL 135 S
BIOTECH 006	BIOT 210X
BUS 001	BUS 110
BUS 005	BUS 125
BUS 032	BUS 115
CH DEV 001	CDEV 100
CH DEV 002	ECE 120
CH DEV 004	ECE 130
CH DEV 007	ECE 130
CH DEV 010	ECE 220
CH DEV 011	CDEV 110
CH DEV 022	ECE 210
CH DEV 034	ECE 200
CH DEV 042	ECE 230
CHEM 101	CHEM 110
CHEM 101 + CHEM 102	CHEM 120 S
CHEM 211 + CHEM 212	CHEM 160 S
CIS 101	BUS 140
CIS 101	ITIS 120
CLN ART 113	HOSP 160
CLN ART 113	NUTR 120
CLN ART 117	HOSP 110
COMM 101	COMM 110
COMM 104	COMM 120
COMM 121	COMM 130
COMM 122	COMM 150
LAHC COURSE	C-ID NUMBER
COMM 151	COMM 140
CS 113	COMP 112
CS 113	COMP 122

LAHC COURSE	C-ID Number
CS 116	COMP 112
CS 116	COMP 122
CS 119	COMP 112
CS 130	COMP 142
CS 131	COMP 152
CS 136	COMP 132
ECON 001	ECON 201
ECON 002	ECON 202
EDUC 001	EDUC 200
ENG GEN 101	ENGR 110
ENG GEN 131	ENGR 130
ENG GEN 241	ENGR 240
ENGLISH 101	ENGL 100
ENGLISH 101X	ENGL 100
ENGLISH 101Y	ENGL 100
ENGLISH 101Z	ENGL 100
ENGLISH 102	ENGL 120
ENGLISH 103	ENGL 105
ENGLISH 127	ENGL 200
ENGLISH 203	ENGL 140
ENGLISH 204	ENGL 145
ENGLISH 205	ENGL 160
ENGLISH 206	ENGL 165
ENGLISH 207	ENGL 130
ENGLISH 208	ENGL 135
ENGLISH 218	ENGL 180
E.S.L. 110	ENGL 100
FAM & CS 021	NUTR 110
GEOG 001	GEOG 110
GEOG 015	GEOG 111
GEOLOGY 001	GEOL 100
GEOLOGY 006	GEOL 100 L
HEALTH 011	PHS 100
HEALTH 012	KIN 101
HISTORY 001	HIST 170
HISTORY 002	HIST 180
HISTORY 011	HIST 130
HISTORY 012	HIST 140
HISTORY 086	HIST 150
HISTORY 087	HIST 160
HOSPT 100	HOSP 100
HOSPT 120	HOSP 120
HOSPT 140	HOSP 140
HOSPT 320	HOSP 150
JOURNAL 101	JOUR 110
KIN MAJ 100	KIN 100
LAHC COURSE	C-ID Number

LAHC COURSE	C-ID Number
MATH 227	MATH 110
MATH 236	MATH 140
MATH 265	MATH 210
MATH 266	MATH 220
MATH 267	MATH 230
MATH 270	MATH 250
MATH 275	MATH 240
MUSIC 101	MUS 110
MUSIC 111	MUS 100
MUSIC 161	CMUS 100 X
MUSIC 165	CMUS 100 X
MUSIC 181	MUS 160
MUSIC 182	MUS 160
MUSIC 183	MUS 160
MUSIC 184	MUS 160
MUSIC 216-1	MUS 120
MUSIC 216-2	MUS 130
MUSIC 216-3	MUS 140
MUSIC 216-4	MUS 150
MUSIC 217-1	MUS 125
MUSIC 217-2	MUS 135
MUSIC 216-1	MUS 120
MUSIC 216-2	MUS 130
MUSIC 217-2	MUS 135
MUSIC 217-3	MUS 145
MUSIC 217-4	MUS 155
MUSIC 261-1	CMUS 100 X
MUSIC 261-2	CMUS 100 X
MUSIC 261-3	CMUS 100 X
MUSIC 265-1	CMUS 100 X
MUSIC 265-1	CMUS 130X
MUSIC 265-2	CMUS 100 X
MUSIC 265-3	CMUS 100 X
MUSIC 321	MUS 170
MUSIC 322	MUS 171
MUSIC 323	MUS 172
MUSIC 501	MUS 180
MUSIC 700	MUS 180
MUSIC 775	MUS 180
MUSIC 780	MUS 185
PHILOS 001	PHIL 100
PHILOS 006	PHIL 110
PHILOS 009	PHIL 210

LAHC COURSE	C-ID Number
PHILOS 020	PHIL 120
PHYSICS 006	PHYS 105
PHYSICS 006 + PHYSICS 007	PHYS 100 S
PHYSICS 037+ PHYSICS 038+ PHYSICS 039	PHYS 200 S
LAHC COURSE	C-ID Number
PHYSICS 037	PHYS 205
PHYSICS 038	PHYS 210
PHYSICS 039	PHYS 215
PHYSIOL 001	BIOL 120 B
POL SCI 001	POLS 110
POL SCI 002	POLS 130
POL SCI 003	POLS 150
POL SCI 005	POLS 120
POL SCI 007	POLS 140
POL SCI 050	POLS 160
PSYCH 001	PSY 110
PSYCH 002	PSY 150
PSYCH 003	PSY 115
PSYCH 010	PSY 200
PSYCH 014	PSY 120
PSYCH 041	PSY 180
PSYCH 052	PSY 130
SOC 001	SOCI 110
SOC 002	SOCI 115
SOC 003	SOCI 160
SOC 004	SOCI 120
SOC 011	SOCI 150
SOC 012	SOCI 130
SOC 031	SOCI 140
SPANISH 001	SPAN 100
SPANISH 002	SPAN 110
SPANISH 003	SPAN 200
SPANISH 004	SPAN 210
SPANISH 036	SPAN 220
STAT 001	MATH 110
STAT 001	SOCI 125
STAT 001S	SOCI 125
STAT 101	SOCI 125
THEATER 100	THTR 111
THEATER 110	THTR 113
THEATER 114	THTR 114

LAHC COURSE	C-ID Number
THEATER 270	THTR 151
THEATER 271	THTR 152
THEATER 291	THTR 191
THEATER 300	THTR 171
THEATER 301	THTR 171
THEATER 310	THTR 173