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 2020 - 2021 Catalog.

**UPDATED COURSES**
- BSICS KL 075CE course description
- CH DEV 022, 023 course description
- CS 113 prerequisites
- CS 213 prerequisites
- CS 136 course description
- EDUC 001, 203 course description
- EGD TEK 111 prerequisites
- ESL 003A, 003B, 003C, 004C, 005C, 006C prerequisites
- EGD TEK 111 prerequisites
- E.S.L. 004A, 004B, 005A, 005B, 006A, 006B course description
- MGMT 013 course description
- PSYCH 001 course description
- THEATER 185, 285, 385 course description

**NEW COURSES**
- KIN ATH 514
- LAW 003

**NEW NONCREDIT COURSES**
- VOC ED 190CE, 191CE, 192CE, 193CE, 194CE, 195CE

**UPDATED CREDIT EDUCATIONAL PROGRAMS**
- ASSOCIATE IN ARTS FOR TRANSFER (AA-T)
  - Studio Arts
- ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)
  - Nutrition and Dietetics
- ASSOCIATE IN ARTS (AA):
  - Art
  - Art, Gallery and Museum Studies
  - Family Studies
  - Legal Assisting (Paralegal)
  - Painting
- ASSOCIATE IN SCIENCE (AS):
  - Biology
  - Full Stack Developer
- CERTIFICATE OF ACHIEVEMENT
  - Child Development Administration
  - Legal Assisting (Paralegal)
  - Pharmacy Technician - Advanced

**OTHER UPDATES**
- MATH PLACEMENT CRITERIA for Los Angeles Mission College
  (Effective Winter 2021)
  - BSTEM Tiers
  - SLAM Tiers
COURSE DESCRIPTIONS

BSICSKL 075CE INTRODUCTION TO POST-SECONDARY EDUCATION – NONCREDIT
Prerequisite: None | Lecture: 9 hours
Course introduces students to the opportunities and benefits of a post-secondary education and the importance of developing cognitive and learning strategies, content knowledge, and self-management skills to successfully achieve their academic and career goals. Students also focus on evaluating college and career options, financial aid options, and the basic steps to enrolling in community college. This course may be scheduled at times to be arranged (TBA) for a minimum of 9 hours.

CH DEV 022 PRACTICUM IN CHILD DEVELOPMENT I (CSU:C-ID ECE 210) 4 UNITS
Prerequisite: CH DEV 001 and CH DEV 002 and CH DEV 004 or CH DEV 007 and CH DEV 011
Lecture: 2 hrs, Lab: 6 hrs
NOTE: Students must show proof of a current negative TB test (Mantoux Test) or chest x-ray within the last twelve months, plus proof of immunizations for measles (MMR), pertussis and influenza (Tdap). NOTE: Total of 90 hours of supervised field experience plus 18 hours of curriculum/professional development.
Supervised experience in an instructor approved setting: preschool, child development center, elementary school, special education center, or other early care and education program. The student will relate all previous theory and curriculum courses to practical application in the classroom. Student will complete 108 TBA hours as part of the class.

CH DEV 023 PRACTICUM IN CHILD DEVELOPMENT II (CSU) 4 UNITS
Prerequisites: CH DEV 022 and TB clearance
Lecture: 2 hrs, Lab: 6 hrs
NOTE: Students must show proof of a current negative TB test (Mantoux test) or chest x-ray within the last twelve months, plus proof of immunizations for measles (MMR), pertussis and influenza (Tdap). NOTE: Total of 90 hours of supervised field experience plus 18 hours of curriculum/professional development.
The second semester of practicum teaching experience must relate to the area of specialization being earned. This course provides the practical application of theories covered in prerequisite courses in an instructor approved setting. Student will complete 108 TBA hours as part of the class.

CS 136 INTRODUCTION TO DATA STRUCTURES - (CSU:C-ID COMP 132) 3 UNITS
(formerly CO SCI 436 Introduction to Data Structures)
Prerequisite: CO SCI 440 or CO SCI 452 or CS 213 or CS 216
Lecture: 2 hrs, Lab: 2 hrs
Covers abstract data types including a deeper understanding of object-oriented programming concepts. Students will learn how to analyze running times of algorithms using analysis tools. Implements linear data structures including stacks, queues, and hash tables. Implement and utilize binary search trees to solve problems.

CS 213 ADVANCED PROGRAMMING IN JAVA—(CSU) 3 UNITS
(formerly CO SCI 452 Programming in Java)
Prerequisite: CS 113 or CS 114 or CS 116 | Lecture: 2 hrs, Lab: 2 hrs
Covers Java language and object-oriented programming paradigm. Topics include control structures, methods, Java classes, overloading, object references, inheritance, polymorphism, Java library packages, exception handling, file I/O (Input/Output) and recursion. Introduces data structures such as arrays, lists and stacks.

EDUC 001 INTRODUCTION TO TEACHING (UC:CSU:C-ID EDUC 200) 3 UNITS
Prerequisite: None | Advisory: ENGLISH 028
Lecture: 3 hrs
Note: Students must show proof of a current negative TB test (Mantoux Test) or chest x-ray within the last twelve months.
This course introduces students to the field of professional education and the concepts and issues that are related to K-12 education. Topics of this course include a basic understanding of a teacher’s role and challenges in society, contemporary education issues within historical, social, philosophical, legal, and political contexts, impact of government policies on schools and children, and the various perspectives on curriculum and instruction. Students will complete 45 TBA hours of observations in an elementary classroom as part of the course requirement.
Note: Education 1 includes 20 hours of fieldwork/observation components.

EDUC 203 EDUCATION IN AMERICAN SOCIETY (UC:CSU) 3 UNITS
Prerequisite: None | Lecture: 3 hrs
Note: Students must show proof of a current negative TB test (Mantoux Test) or chest x-ray within the last twelve months.
Introduces the American educational enterprise, especially problems in urban multicultural schools. Employs concepts and methods from sociology, philosophy and the politics of education to analyze American schools. Includes K-12 content standards, Teaching Performance Expectations.
Note: Education 203 includes 25 hours of fieldwork/observation components.
EGD TEK 111 2-D COMPUTER-AIDED DRAFTING – (CSU) 3 UNITS  
**Prerequisite:** EGD TEK 101  | **Lecture:** 2 hrs, **Lab:** 2 hrs  
This course is an introductory course in Two-Dimensional Computer-Aided Drafting using AutoCAD. Students learn the basic tools to create and edit a simple drawing. Topics include object construction, object properties, layers, orthographic projections, auxiliary views, parametric tools, basic dimensioning, template building, and plotting.

E.S.L. 003A COLLEGE ESL 3A: GRAMMAR/Writing (NDA) 6 UNITS  
**Prerequisite:** None  | **Advisory:** ESL NC 009CE  | **Lecture:** 6 hrs  
NOTE: ESL courses at levels 003, 004, 005, and 006 are divided into three sections: A. Writing and Grammar, B. Reading and Vocabulary, C. Listening and Speaking. Students are highly encouraged to enroll in all three sections (A, B, C).  
NOTE: Class is graded pass/no-pass  
This is a low-intermediate writing and grammar course for non-native speakers of English. It emphasizes vocabulary, grammar, and writing through guided and free compositions of paragraphs on common subjects. Reading, speaking, and listening activities reinforce writing and grammar development.

E.S.L. 003B COLLEGE ESL 3B: READING/VOCABULARY (NDA) 3 UNITS  
**Prerequisite:** None  | **Advisory:** ESL NC 009CE  | **Lecture:** 3 hrs  
NOTE: Student must take E.S.L. 003B + E.S.L. 003C together  
NOTE: Class is graded pass/no-pass  
This is a low intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

E.S.L. 003C COLLEGE ESL 3C: LISTENING/SPEAKING (NDA) 3 UNITS  
**Prerequisite:** None  | **Advisory:** ESL NC 009CE  | **Lecture:** 3 hrs  
NOTE: Student must take E.S.L. 003B + E.S.L. 003C together  
NOTE: Class is graded credit/no credit  
This is a low-intermediate listening and speaking course for non-native speakers of English. Emphasis is on the development of listening comprehension skills, the acquisition of conversational grammar, basic English pronunciation skills, and participation in interactive speaking activities in academic and social contexts.

E.S.L. 004A COLLEGE ESL 4A: WRITING/GRAMMAR (NDA) 6 UNITS  
**Prerequisite:** E.S.L. 003A or ESL NC 131CE or appropriate placement  | **Lecture:** 6 hrs  
NOTE: Class is graded pass/no-pass  
This is a course in written composition, grammar, and critical reading skills tailored for the English-as-a-second language student. Students in this intermediate ESL course learn skills in writing to prepare them for college work. The emphasis is on writing based on critical reading and personal experience. Students will be introduced to summarizing skills. Grammar skills and mechanics are emphasized throughout each lesson.

E.S.L. 004B COLLEGE ESL 4B: READING/VOCABULARY (NDA) 3 UNITS  
**Prerequisite:** ESL 003B or ESL NC 132CE or appropriate placement  | **Lecture:** 3 hrs  
NOTE: Student must take E.S.L. 004B + E.S.L. 004C together  
NOTE: Class is graded pass/no-pass  
A high intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

E.S.L. 004C COLLEGE ESL 4C: LISTENING/SPEAKING (NDA) 3 UNITS  
**Prerequisite:** ESL 003C or ESL NC 133CE or appropriate placement  | **Lecture:** 3 hrs  
NOTE: Student must take E.S.L. 004B + E.S.L. 004C together  
NOTE: Class is graded pass/no-pass  
This is a high-intermediate listening and speaking class that focuses on listening to short lectures, developing conversational ability, and improving pronunciation.

E.S.L. 005A COLLEGE ESL 5A: WRITING/GRAMMAR (CSU) 6 UNITS  
**Prerequisite:** E.S.L. 004A or ESL NC 141CE or appropriate placement  | **Lecture:** 6 hrs  
NOTE: Class is graded pass/no-pass  
This is a course in written composition, grammar, and critical reading skills tailored for the English-as-a-second language student. Students in this low-advanced ESL course learn skills in writing to prepare them for college work. The emphasis is on writing based on critical reading, interpretation/analysis, and personal experience. Students will develop paraphrasing and summarizing skills. Grammar skills and mechanics are emphasized throughout each lesson. Required: Eight to ten writing assignments, including at least four compositions of 300-400 words.

E.S.L. 005B COLLEGE ESL 5B: READING/VOCABULARY (CSU) 3 UNITS  
**Prerequisite:** E.S.L. 004B or ESL NC 142CE or appropriate placement  | **Lecture:** 3 hrs  
NOTE: Student must take E.S.L. 005B + ESL 005C together  
NOTE: Class is graded pass/no-pass  
This is a reading and vocabulary course that focuses on reading fictional and non-fictional materials. Students will study vocabulary lists and learn vocabulary development skills to become low-advanced ESL readers.

E.S.L. 005C COLLEGE ESL 5C: LISTENING/SPEAKING (CSU) 3 UNITS  
**Prerequisite:** ESL 004C or ESL NC 133CE or appropriate placement  | **Lecture:** 3 hrs  
NOTE: Student must take E.S.L. 005B + ESL 005C together  
NOTE: Class is graded pass/no-pass  
This is a low-advanced listening and speaking class that focuses on listening to academic lectures, developing conversational and presentation ability, and understanding enunciation techniques.
E.S.L. 006A COLLEGE E.S.L. 6A: WRITING/GRAMMAR (CSU) 6 UNITS
Prerequisite: E.S.L. 005A or ESL NC 151CE or appropriate placement
Lecture: 6 hrs
NOTE: Class is graded pass/no-pass
This course is designed for students at the advanced level of English language acquisition and provides instruction in writing extended essays in a variety of ways, analysis of readings, grammar development, punctuation and spelling improvement, as well as verbal communication.

E.S.L. 006B COLLEGE E.S.L. 6B: READING/VOCABULARY (CSU) 3 UNITS
Prerequisite: E.S.L. 005B or ESL NC 152CE or appropriate placement
Lecture: 3 hrs
NOTE: Student must take E.S.L. 006B + ESL 006C together
NOTE: Class is graded pass/no-pass
This course focuses on advanced reading and vocabulary development for students whose first language is not English. Students will read high interest fictional and non-fictional books and materials at an advanced ESL level.

E.S.L. 006C COLLEGE ESL 6C: LISTENING/SPEAKING (CSU) 3 UNITS
Prerequisite: ESL 005C or ESL NC 153CE or appropriate placement
Lecture: 3 hrs
NOTE: Student must take E.S.L. 006B + ESL 006C together
NOTE: Class is graded pass/no-pass
This is an advanced listening and speaking class for non-native speakers of English that focuses on listening to long academic lectures, developing critical conversational and presentation ability, and improving advanced English pronunciation.

E.S.L. 131CE COLLEGE ESL III: WRITING AND GRAMMAR — NONCREDIT
Prerequisite: None | Advisory: Completion of E.S.L. 009CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate listening and speaking course for non-native speakers of English. Emphasis is on the development of listening comprehension skills, the acquisition of conversational grammar, basic English pronunciation skills, and participation in interactive speaking activities in academic and social contexts.

E.S.L. 132B COLLEGE ESL III: LISTENING AND SPEAKING — NONCREDIT
Prerequisite: Completion of ESL NC 131CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 3 hrs,
This is a low-intermediate listening and speaking course for non-native speakers of English. Emphasis is on the development of listening comprehension skills, the acquisition of conversational grammar, basic English pronunciation skills, and participation in interactive speaking activities in academic and social contexts.

E.S.L. 132C COLLEGE ESL III: READING AND VOCABULARY — NONCREDIT
Prerequisite: None | Advisory: Completion of E.S.L. 009CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 3 hrs,
An intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

E.S.L. 133C COLLEGE ESL III: LISTENING AND SPEAKING — NONCREDIT
Prerequisite: Completion of ESL NC 132CE with a grade of "Pass", or ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate listening and speaking course for non-native speakers of English. Emphasis is on the development of listening comprehension skills, the acquisition of conversational grammar, basic English pronunciation skills, and participation in interactive speaking activities in academic and social contexts.

E.S.L. 133CE COLLEGE ESL III: LISTENING AND SPEAKING — NONCREDIT
Prerequisite: Completion of ESL NC 131CE with a grade of "Pass", or Completion of ESL NC 009CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate listening and speaking course for non-native speakers of English. Emphasis is on the development of listening comprehension skills, the acquisition of conversational grammar, basic English pronunciation skills, and participation in interactive speaking activities in academic and social contexts.

E.S.L. 134B COLLEGE ESL III: LISTENING AN D SPEAKING — NONCREDIT
Prerequisite: Completion of ESL NC 141CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate listening and speaking course for non-native speakers of English. Emphasis is on the development of listening comprehension skills, the acquisition of conversational grammar, basic English pronunciation skills, and participation in interactive speaking activities in academic and social contexts.

E.S.L. 134C COLLEGE ESL III: READING AND VOCABULARY — NONCREDIT
Prerequisite: Completion of ESL NC 133CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 3 hrs,
A high intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

E.S.L. 142B COLLEGE ESL IV: READING AND VOCABULARY — NONCREDIT
Prerequisite: Completion of ESL NC 132CE with a grade of "Pass", or ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate writing and grammar course for non-native writers of English. It emphasizes vocabulary, grammar, and writing through guided and free compositions of paragraphs on common subjects. Reading, speaking, and listening activities reinforce writing and grammar development.

E.S.L. 142C COLLEGE ESL IV: READING AND VOCABULARY — NONCREDIT
Prerequisite: Completion of ESL NC 141CE with a grade of "Pass", OR Completion of E.S.L. 003B with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 3 hrs,
This is a high-intermediate listening and speaking class that focuses on listening to short lectures, developing conversational ability, and improving pronunciation.

E.S.L. 143C COLLEGE ESL IV: LISTENING AND SPEAKING — NONCREDIT
Prerequisite: Completion of ESL NC 143CE with a grade of "Pass", or Completion of E.S.L. 003C with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate writing and grammar course for non-native writers of English. It emphasizes vocabulary, grammar, and writing through guided and free compositions of paragraphs on common subjects. Reading, speaking, and listening activities reinforce writing and grammar development.

E.S.L. 151CE COLLEGE ESL V: WRITING AND GRAMMAR — NONCREDIT
Prerequisite: Completion of ESL NC 141CE with a grade of "Pass", or ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate writing and grammar course for non-native writers of English. It emphasizes vocabulary, grammar, and writing through guided and free compositions of paragraphs on common subjects. Reading, speaking, and listening activities reinforce writing and grammar development.

E.S.L. 153B COLLEGE ESL V: READING AND VOCABULARY — NONCREDIT
Prerequisite: Completion of ESL NC 142CE with a grade of "Pass", or ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

E.S.L. 153C COLLEGE ESL V: READING AND VOCABULARY — NONCREDIT
Prerequisite: Completion of ESL NC 143CE with a grade of "Pass", or Completion of ESL NC 009CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

E.S.L. 154B COLLEGE ESL V: READING AND VOCABULARY — NONCREDIT
Prerequisite: Completion of ESL NC 151CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

E.S.L. 154C COLLEGE ESL V: READING AND VOCABULARY — NONCREDIT
Prerequisite: Completion of ESL NC 152CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

E.S.L. 155B COLLEGE ESL V: READING AND VOCABULARY — NONCREDIT
Prerequisite: Completion of ESL NC 153CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

E.S.L. 155C COLLEGE ESL V: READING AND VOCABULARY — NONCREDIT
Prerequisite: Completion of ESL NC 154CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

E.S.L. 156B COLLEGE ESL V: READING AND VOCABULARY — NONCREDIT
Prerequisite: Completion of ESL NC 155CE with a grade of "Pass", or Appropriate Score on ESL/CASAS Placement Test.
Lecture: 6 hrs,
This is a low-intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.
ESL NC 152CE COLLEGE ESL V: READING AND VOCABULARY – NONCREDIT
Prerequisite: Completion of ESL NC 142 CE with of a grade of "Pass", or Completion of E.S.L. 4B with a grade of 'Pass', or Appropriate Score on ESL/CASAS Placement Test. | Lecture: 3 hrs
This is a reading and vocabulary course that focuses on reading fictional and non-fictional materials. Students will study vocabulary lists and learn vocabulary development skills to become low-advanced ESL readers.

ESL NC 153CE COLLEGE ESL VI: LISTENING AND SPEAKING – NONCREDIT
Prerequisite: Completion of ESL NC 014CE with of a grade of 'Pass', or Completion of ESL 004C with a grade of 'Pass', or Appropriate Score on ESL/CASAS Placement Test. | Lecture: 3 hrs,
This is a low-advanced listening and speaking class that focuses on listening to academic lectures, developing conversational and presentation ability, and understanding enunciation techniques.

ESL NC 161CE COLLEGE ESL VI: WRITING AND GRAMMAR – NONCREDIT
Prerequisite: Completion of E.S.L. 005A for credit with a grade of 'Pass', or Completion of ESL NC 151CE with of a grade of 'Pass' or Appropriate Score on ESL/CASAS Placement Test. | Lecture: 6 hrs,
This course is designed for students at the advanced level of English language acquisition and provides instruction in writing extended essays in a variety of ways, analysis of readings, grammar development, punctuation and spelling improvement, as well as verbal communication.

ESL NC 162CE COLLEGE ESL VI: READING AND VOCABULARY – NONCREDIT
Prerequisite: Completion of ESL NC 152CE with of a grade of 'Pass', or Completion of ESL NC 151CE with of a grade of 'Pass' or Appropriate Score on ESL/CASAS Placement Test. | Lecture: 3 hrs,
This course focuses on advanced reading and vocabulary development for students whose first language is not English. Students will read high interest fictional and non-fictional books and materials at an advanced ESL level.

ESL NC 163CE COLLEGE ESL VI: LISTENING AND SPEAKING – NONCREDIT
Prerequisite: Completion of ESL NC 153CE with of a grade of 'Pass', or Completion of ESL NC 005C with a grade of 'Pass', or Appropriate Score on ESL/CASAS Placement Test. | Lecture: 3 hrs,
This is an advanced listening and speaking class for non-native speakers of English that focuses on listening to long academic lectures, developing critical conversational and presentation ability, and improving advanced English pronunciation.

FAM &CS 070 FIELD EXPERIENCE IN FAMILY & CONSUMER STUDIES – (CSU) 3 UNITS
Prerequisite: None | Lecture: 2 hours, Lab: 2 hours
Field experience in a program offering services related to a certificate being earned in Family and Consumer Studies. The student will relate theory and coursework to practical application in a program, agency, facility or family service center. Student will complete 36 TBA hours as part of the class.

KIN ATH 514 INTERCOLLEGIATE ATHLETICS-tennis – (CSU) 3 UNITS
Prerequisite: None | Lab: 10 hrs
Intercollegiate tennis team. It offers advanced tennis skills and techniques. It provides an opportunity to learn the fine skills and strategies needed to compete at the collegiate level. The course also provides additional exposure to students interested in articulating to four-year colleges or professional tennis programs.

LAW 003 CIVIL RIGHTS AND THE LAW (CSU) 3 UNITS
Prerequisite: None | Lecture: 3 hrs
Study of the broad range of rights, privileges, and fundamental freedoms guaranteed by the United States Constitution, subsequent amendments and laws, including the rights of freedom of expression and action; the right to marry, enter into contracts, own property, and other personal choices; the right of due process and equal protections of the laws; affirmative action cases in education and work; separation of powers; and the right to participate in the democratic political process.

MGMT 013 SMALL BUSINESS ENTREPRENEURSHIP (CSU) 3 UNITS
Prerequisite: None | Lecture: 3 hrs
This course presents a systematic approach to startup and management of small business operations. It covers personal valuation, pre-ownership preparation, management and leadership, financing, location, record keeping, employees, purchasing, advertising, sales and credit, and emphasizes adequate planning and preparation for success.

PSYCH 001 GENERAL PSYCHOLOGY I – (UC:CSU:C-ID PSY 110) 3 UNITS
Advisory: ENGLISH 028 | Lecture: 3 hrs
This course is an introduction to the scientific study of behavior and mental processes. Topics include the biological bases of behavior, gender and sexuality, human development, cognition and intelligence, consciousness, learning, memory, motivation and emotion, personality, social psychology, and psychological disorders and treatments.

THEATER 185 DIRECTED STUDY – (CSU) 1 UNIT
Prerequisite: None
Provides opportunity for in-depth study of a chosen area of Theater on a contract basis, under the direction of the supervising instructor. Students will complete 27 TBA hours as part of the class.
THEATER 285 DIRECTED STUDY – (CSU) 2 UNITS
Prerequisite: None
Allows students to pursue directed study in Theater on a contract basis under the direction of a supervising instructor. Special studies will be undertaken with the guidance of weekly meetings. Topics or projects must be approved by the faculty member in charge. Students will complete 54 TBA hours as part of the class.

THEATER 385 DIRECTED STUDY – (CSU) 3 UNITS
Prerequisite: None
Provides opportunity for in-depth study of a chosen area of theatre arts on a contract basis, under the direction of a supervising instructor. Students will complete 90 TBA hours as part of the class.

VOC ED 190CE PATHWAY TO SOCIALLY RESPONSIBLE ENTREPRENEURSHIP – NONCREDIT
Prerequisite: None | Lecture: 2 hrs,
This course introduces aspiring student-entrepreneurs to socially responsible small business models and the three elements of the triple bottom line: profit, people and the plant. This course also introduces the entrepreneurial leadership traits and socially responsible behaviors that are the foundation for developing the skills and resources involved in transforming an innovative idea into a sustainable entrepreneurial product or service.

VOC ED 191CE STARTING YOUR OWN SMALL BUSINESS – NONCREDIT
Prerequisite: None | Lecture: 2 hrs,
This course is an introduction to starting a small business. Topics include: Concept kick start, key decisions and considerations when creating a business, protecting the value of your idea, types of ownership, legal obligations, networking resources, writing a business plan outline, small business information resources, and business readiness assessment.

VOC ED 192CE MANAGING SMALL BUSINESS OPERATIONS – NONCREDIT
Prerequisite: None | Lecture: 2 hrs,
This course reviews the operational logistics that small business start-ups should consider prior to launching. The course identifies management concerns unique to small businesses and presents information on establishing administrative controls and managing business operations, risk, growth and change to increase sustainability.

VOC ED 193CE MARKETING AND SALES FOR SMALL BUSINESS– NONCREDIT
Prerequisite: None | Lecture: 2 hrs,
This course relates both marketing and sales strategies to today’s fast-paced, competitive and segmented business environment, with the emphasis on relating marketing concepts to practical and effective real-world solutions that are sustainable. Both corporate and consumer situations will be considered with a strong focus on new product/service introduction, and product/service life cycle extension.

VOC ED 194CE TECHNOLOGY FOR SMALL BUSINESS– NONCREDIT
Prerequisite: None | Lecture: 1 hr., Lab: 1 hr
Topics covered in this course build the essential technology skills for entrepreneurs to run a small business more efficiently and save time. This course introduces website development and management, search engine optimization, blogging, social media platforms, databases and data security, and point of sale and crowdfunding tools.

VOC ED 195CE ENTREPRENEURIAL FINANCE– NONCREDIT
Prerequisite: None | Lecture: 2 hrs,
This course examines the elements of entrepreneurial finance, focusing on startup ventures and the early stages of company development. The course addresses key questions, which challenge all entrepreneurs: how much money can and should be raised; when the money should be raised, and from whom; what is a reasonable valuation of the company. It aims to prepare aspiring entrepreneurs to make these decisions and develop a basic, effective pitch of an entrepreneurial idea to a potential investor for startup capital.
EDUCATIONAL PROGRAMS

ASSOCIATE IN ARTS FOR TRANSFER (AA-T) Studio Arts (M033131G)
The Studio Arts program is designed as preparation for transfer to California State University System as a major in Studio Art or a related major. The program provides a foundation in studio art practice focusing on the elements and principles of art while exploring a variety of theories, techniques and materials. Students take courses in art history, design, and drawing, with choices in painting, sculpture and photography in preparation for a career in art.

Program Learning Outcomes – Upon completion, students will be able to:
• Communicate effectively through the uses of discipline specific terminology in oral and written communication;
• Demonstrate aesthetic responsiveness by taking a position on and communicating the merits of specific works of art and how those works of art reflect human values within historical, cultural, political, and philosophical contexts.
• Develop competent skill in the creation of art including:
  a. investigation of the elements and principles of art into two and three dimensional works;
  b. observational drawing and the illusion of space;
  c. the traditional and experimental use of media;
  d. and synthesis of historical and contemporary art concepts into a portfolio of artwork in preparation for transfer.

REQUIRED CORE UNITS
ART 201  Drawing I  3
ART 209  Perspective Drawing  3
ART 501  Beginning Two Dimensional Design  3
ART 502  Beginning Three Dimensional Design  3
ARTHIST 120  Survey of Western Art History II  3
List A: Select one (1) from the following three (3) Art History courses:  3
  ARTHIST 110  Survey of Western Art History I
  ARTHIST 130  Survey of Asian Art History
  ARTHIST 140  Survey of Arts of Africa, Oceania, and Ancient America
List B: Select three (3) courses from separate curricular areas:  9
  DRAWING  ART 202 Drawing II or ART 204 Life Drawing I
  PAINTING  ART 300 Introduction to Painting
  SCULPTURE  ART 700 Introduction to Sculpture or ART 701 Sculpture I
  PHOTOGRAPHY PHOTO 007 Exploring Digital Photography

Total 24

NOTE: A minimum of 60 units and a cumulative GPA of 2.0 or higher must be completed to earn the Associate Degree. Major courses must each be completed with a grade of C or better. Always consult a counselor for information on program and graduation requirements, residency requirements and transfer information.

ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T) Nutrition and Dietetics (M035394H)
The Associate in Science in Nutrition and Dietetics for Transfer is designed for prospective California State University (CSU) transfer students who are preparing for careers as Registered Dieticians/Nutritionists (RDNs), Nutrition and Dietetic Technicians Registered (NDTRs) or other nutrition or food science professionals. Completion of the Nutrition and Dietetics degree will provide a streamlined pathway for transfer to a CSU campus with a Family and Consumer Sciences or similar major.

Program Learning Outcomes - Upon completion, students will be able to:
• Apply the physical, biological, and social sciences to the study of foods and nutrition.
• Recognize how food and nutrition affect health and human performance across the lifecycle and impact both local and global concerns.
• Effectively communicate and critically think about food and nutrition issues with an understanding and appreciation of a diverse and multicultural society.

REQUIRED CORE
CHEM 101  General Chemistry I  5
CHEM 102  General Chemistry II  5
MICRO 020  General Microbiology  4
NUTRTN 021  Nutrition  3
PSYCH 001  General Psychology I  3
List A: Select one (1) course:  4
  MATH 227  Statistics
List B: Select one (1) course:  4
  BIOLOGY 003  Introduction to Biology
Total 28

NOTE: A minimum of 60 units and a cumulative GPA of 2.0 or higher must be completed to earn the Associate Degree. Major courses must each be completed with a grade of C or better. Always consult a counselor for information on program and graduation requirements, residency requirements and transfer information.
ASSOCIATE IN ARTS (AA) – Art (M003348C)
The Associate in Arts - Art provides a foundation in studio art practice focusing on the elements and principles of art while exploring a variety of theories, techniques and materials. Students take courses in art history, design, drawing, painting and digital media in preparation for a career in art which may include transfer to a four-year college or university.

Program Learning Outcomes – Upon completion, students will be able to:
• Communicate effectively through the uses of discipline specific terminology in oral and written communication;
• Demonstrate aesthetic responsiveness by taking a position on and communicating the merits of specific works of art reflect human values within historical, cultural, political, and philosophical contexts.
• Develop competent skill in the creation of art including:
  a. investigation of the elements and principles of art into two and three dimensional works;
  b. observational drawing and the illusion of space;
  c. the traditional and experimental use of media;
  d. and synthesis of historical and contemporary art concepts into a portfolio of artwork in preparation for transfer.

REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 201</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 300</td>
<td>Introduction to Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 501</td>
<td>Beginning Two Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 502</td>
<td>Beginning Three Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>List A: Select two (2) from the following four (4) Art History courses:</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ARTHIST 110</td>
<td>Survey of Western Art History I</td>
<td></td>
</tr>
<tr>
<td>ARTHIST 120</td>
<td>Survey of Western Art History II</td>
<td></td>
</tr>
<tr>
<td>ARTHIST 130</td>
<td>Survey of Asian Art History</td>
<td></td>
</tr>
<tr>
<td>ARTHIST 140</td>
<td>Survey of Arts of Africa, Oceania, and Ancient America</td>
<td></td>
</tr>
<tr>
<td>List B: Select one (1) from the following three (3) Drawing courses:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ART 202</td>
<td>Drawing II</td>
<td></td>
</tr>
<tr>
<td>ART 204</td>
<td>Life Drawing I</td>
<td></td>
</tr>
<tr>
<td>ART 209</td>
<td>Perspective Drawing</td>
<td></td>
</tr>
<tr>
<td>List C: Select one (1) from the following eight (8) multidiscipline courses:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ART 307</td>
<td>Oil Painting I</td>
<td></td>
</tr>
<tr>
<td>ART 700</td>
<td>Introduction to Sculpture</td>
<td></td>
</tr>
<tr>
<td>MULTIMD 100</td>
<td>Introduction to Multimedia Computer Applications</td>
<td></td>
</tr>
<tr>
<td>MULTIMD 220</td>
<td>Digital Imaging</td>
<td></td>
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<tr>
<td>MULTIMD 240</td>
<td>Graphic Design for Multimedia</td>
<td></td>
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<tr>
<td>MULTIMD 320</td>
<td>Web Design</td>
<td></td>
</tr>
<tr>
<td>MULTIMD 400</td>
<td>Introduction to Experimental Animation</td>
<td></td>
</tr>
<tr>
<td>PHOTO 007</td>
<td>Exploring Digital Photography</td>
<td></td>
</tr>
</tbody>
</table>

Total 24

NOTE: A minimum of 60 units and a cumulative GPA of 2.0 or higher must be completed to earn the Associate Degree. Major courses must each be completed with a grade of C or better. Always consult a counselor for information on program and graduation requirements, residency requirements and transfer information.

ASSOCIATE IN ARTS (AA) – Family Studies (M003351C)
Program Learning Outcomes – Upon completion, students will be able to: • Apply professional standards in services to children, parents and families in the home and the community.

REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH DEV 001</td>
<td>Child Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 011</td>
<td>Child, Family &amp; Community</td>
<td>3</td>
</tr>
<tr>
<td>FAM &amp;CS 031</td>
<td>Marriage &amp; Family Life</td>
<td>3</td>
</tr>
<tr>
<td>FAM &amp;CS 070</td>
<td>Field Experience in Family &amp; Consumer Studies</td>
<td></td>
</tr>
<tr>
<td>CH DEV 055</td>
<td>Home Visitation Programs</td>
<td></td>
</tr>
<tr>
<td>FAM &amp;CS 006</td>
<td>Challenges of Aging</td>
<td></td>
</tr>
<tr>
<td>PSYCH 041</td>
<td>Life Span Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC 031</td>
<td>Sociology of Gender</td>
<td></td>
</tr>
</tbody>
</table>

Total 18

NOTE: A minimum of 60 units and a cumulative GPA of 2.0 or higher must be completed to earn the Associate Degree. Major courses must each be completed with a grade of C or better. Always consult a
counselor for information on program and graduation requirements, residency requirements and transfer information.

ASSOCIATE IN ARTS (AA) Legal Assisting (Paralegal) (M021769D)

A paralegal is qualified by education, training, or work experience to work for a law office, corporation, governmental agency, or other entity, performing specifically delegated substantive legal work for which a lawyer is responsible. Paralegals are also referred to as Legal Assistants in some legal settings. The curriculum provides students with practical legal skills enabling them to draft legal documents with minimum supervision. Students also are familiarized with fundamental concepts of substantive areas such as torts and business law. In addition, emphasis is placed on the development of effective written and oral communication skills, teamwork, critical thinking skills, computer proficiency, and legal research techniques. Legal theory and related practical applications are integrated throughout the program. Students also learn how to manage practical ethical dilemmas commonly encountered as working paralegals.

Program Learning Outcomes – Upon completion, students will be able to: • Correctly use legal terminology and understand the fundamentals of our legal system; its processes and procedures; • Conduct effective legal research; • Prepare legal briefs and/or memoranda and court documents in a professional and competent manner.

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAW 001 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>LAW 002 Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>LAW 010 Introduction to Legal Assistant I</td>
<td>3</td>
</tr>
<tr>
<td>LAW 011 Introduction to Legal Assistant II</td>
<td>3</td>
</tr>
<tr>
<td>LAW 012 Tort Law &amp; Claims Investigation</td>
<td>3</td>
</tr>
<tr>
<td>LAW 013 Wills, Trusts &amp; Probate Administration</td>
<td>3</td>
</tr>
<tr>
<td>or LAW 035 Immigration Law for Paralegals</td>
<td>3</td>
</tr>
<tr>
<td>LAW 016 Civil &amp; Criminal Evidence</td>
<td>3</td>
</tr>
<tr>
<td>LAW 017 Legal Writing</td>
<td>3</td>
</tr>
<tr>
<td>LAW 018 Marriage &amp; Family Law</td>
<td>3</td>
</tr>
<tr>
<td>LAW 019 Property &amp; Creditor Rights</td>
<td>3</td>
</tr>
<tr>
<td>LAW 020 Basic Probate Procedure</td>
<td>3</td>
</tr>
<tr>
<td>LAW 034 Legal Research Lab</td>
<td>3</td>
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</tbody>
</table>

**Total 36**

**NOTE:** A minimum of 60 units and a cumulative GPA of 2.0 or higher must be completed to earn the Associate Degree. Major courses must each be completed with a grade of C or better. Always consult a counselor for information on program and graduation requirements, residency requirements and transfer information.

ASSOCIATE IN ARTS (AA) – Painting (M008348C)

The Associate in Arts - Painting provides a foundation in studio art practice focusing on the elements and principles of art while exploring a variety of theories, techniques and materials. Students take courses in art history, design, drawing, painting and digital media in preparation for a career in art which may include transfer to a four-year college or university. The focus of this degree includes taking four levels of painting to develop a creative portfolio of work for exhibition and application for admission to college art programs that require a portfolio.

Program Learning Outcomes – Upon completion, students will be able to: • Communicate effectively through the uses of discipline specific terminology in oral and written communication; • Demonstrate aesthetic responsiveness by taking a position on and communicating the merits of specific works of art reflect human values within historical, cultural, political, and philosophical contexts. • Develop competent skill in the creation of art including: a. investigation of the elements and principles of art into two and three dimensional works; b. observational drawing and the illusion of space; c. the traditional and experimental use of media; d. and synthesis of historical and contemporary art concepts into a portfolio of artwork in preparation for transfer.

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 201 Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 300 Introduction to Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 501 Beginning Two Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 502 Beginning Three Dimensional Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**List A: Select two (2) from the following four (4)**

**Art History courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHIST 110 Survey of Western Art History I</td>
<td>3</td>
</tr>
<tr>
<td>ARTHIST 110 Survey of Western Art History II</td>
<td>3</td>
</tr>
<tr>
<td>ARTHIST 110 Survey of Asian Art History</td>
<td>3</td>
</tr>
<tr>
<td>ARTHIST 110 Survey of Arts of Africa, Oceania, and Ancient America</td>
<td>3</td>
</tr>
</tbody>
</table>

**List B: Select one (1) from the following three (3)**

**Drawing courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202 Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART 204 Life Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 209 Perspective Drawing</td>
<td>3</td>
</tr>
</tbody>
</table>

**List C: Select three (3) from the following six (6)**

**Painting courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 304 Acrylic Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 305 Acrylic Painting II</td>
<td>3</td>
</tr>
<tr>
<td>ART 306 Acrylic Painting III</td>
<td>3</td>
</tr>
<tr>
<td>ART 307 Oil Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 308 Oil Painting II</td>
<td>3</td>
</tr>
<tr>
<td>ART 309 Oil Painting III</td>
<td>3</td>
</tr>
</tbody>
</table>

**List D: Select one (1) from the following two (2)**

**Drawing courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MULTIMD 100 Introduction to Multimedia Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>PHOTO 007 Exploring Digital Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total 33**

**NOTE:** A minimum of 60 units and a cumulative GPA of 2.0 or higher must be completed to earn the Associate Degree. Major courses must each be completed with a grade of C or better. Always consult a counselor for information on program and graduation requirements, residency requirements and transfer information.
ASSOCIATE IN SCIENCE (AS) Biology (M020792C)
The Associate in Science (AS) Degree in Biology will provide the student with a strong, basic foundation in the science. The curriculum is generally required of lower-division life science majors, as well as pre-dental, pre-medical, pre-optometry, pre-pharmacy and pre-veterinary students. Students interested in transferring and/or completing an AS degree in Biology should meet with a counselor to determine the coursework necessary to complete the requirements for general education and for the major.

Program Learning Outcomes - Upon completion, students will be able to:
• Apply the scientific method by: developing a hypothesis, designing a controlled experiment, collecting data and interpreting the results.
• Make informed decisions regarding ethical concerns related to contemporary controversial issues in the life and/or biomedical sciences.
• Analyze the relationship between a structure and its function in living systems.

REQUIRED CORE

<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY 006 General Biology I – Molecular and Cellular Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIOLOGY 007 General Biology II – Organismal, Evolutionary and Ecological Biology</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 101 General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 102 General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 227 Statistics</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 260 Precalculus</td>
<td>5</td>
</tr>
<tr>
<td>or MATH 240 Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>&amp; MATH 245 College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 24-26

NOTE: A minimum of 60 units and a cumulative GPA of 2.0 or higher must be completed to earn the Associate Degree. Major courses must each be completed with a grade of C or better. Always consult a counselor for information on program and graduation requirements, residency requirements and transfer information.

ASSOCIATE IN SCIENCE (AS) Full Stack Developer (M036466C)
The A.S. Degree in Full Stack Development provides necessary skills required to design and code web applications. Core skills include introduction to computers, databases, programming logic and design, and programming languages. The emphasis in Full Stack Develop provides comprehensive coverage of both client-side and server-side web programming. In teaching programming and scripting languages employed to build desktop and mobile applications. Relational and NoSQL databases are also introduced.

Program Learning Outcomes – Upon completion, students will be able to:
• Graduates acquire the basic skills and knowledge necessary to code web and mobile applications in a team environment.
• Graduates create Full-Stack Web Application Programs in .NET and MEAN developing environment.
• Graduates compile a portfolio of web applications.

REQUIRED CORE COURSES

<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 101 Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>(formerly CO SCI 401 Introduction to Computers &amp; Their Uses)</td>
<td></td>
</tr>
<tr>
<td>CS 119 Programming in Python</td>
<td>3</td>
</tr>
<tr>
<td>CIS 219 Introduction to Oracle: SQL and PL/SQL</td>
<td>3</td>
</tr>
<tr>
<td>(formerly CO SCI 434 Introduction to Oracle: SQL)</td>
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<tr>
<td>CIS 124 Data Analytics (Advanced Excel and Access)</td>
<td>3</td>
</tr>
<tr>
<td>(formerly CO SCI 430 Data Analytics)</td>
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</tr>
<tr>
<td>CIS 192 Introduction to Cloud Computing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 193 Database Essentials in Amazon Web Services</td>
<td>3</td>
</tr>
<tr>
<td>CIS 194 Computer Engines in Amazon Web Services</td>
<td>3</td>
</tr>
<tr>
<td>CIS 148 Introduction to Web Development HTML5 &amp; CSS</td>
<td>3</td>
</tr>
<tr>
<td>(formerly CO SCI 450 Web Application Development)</td>
<td></td>
</tr>
<tr>
<td>CS 112 Programming in Javascript</td>
<td>3</td>
</tr>
<tr>
<td>(formerly CO SCI 462 Programming in Javascript)</td>
<td></td>
</tr>
<tr>
<td>CS 157 Full-Stack Web Application Development</td>
<td>3</td>
</tr>
<tr>
<td>(formerly CO SCI 463 Full Stack Web Application Development)</td>
<td></td>
</tr>
</tbody>
</table>

Total 30

NOTE: A minimum of 60 units and a cumulative GPA of 2.0 or higher must be completed to earn the Associate Degree. Major courses must each be completed with a grade of C or better. Always consult a counselor for information on program and graduation requirements, residency requirements and transfer information.

CERTIFICATE OF ACHIEVEMENT
Child Development Administration (M040331D)
Students completing a Certificate of Achievement in Child Development Administration have completed a specialization in the administration and supervision of programs and staff that provide for the care and education of young children.

Program Learning Outcomes – Upon completion, students will be able to:
• Work in various pharmacy settings
• Apply effective supervision, coaching and mentoring strategies that support staff in their efforts to create high quality learning outcomes of young children in early learning settings.

REQUIRED COURSES

<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH DEV 001 Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 011 Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 038 Administration and Supervision of Early Childhood Programs</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 039 Administration II: Personnel and Leadership in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 065 Early Childhood Mentoring and Adult Supervision</td>
<td>2</td>
</tr>
<tr>
<td>CH DEV 022 Practicum in Child Development I or CH DEV 023 Practicum in Child Development II</td>
<td>4</td>
</tr>
</tbody>
</table>

Total 18
CERTIFICATE OF ACHIEVEMENT Legal Assisting (Paralegal) (M021769D)
A paralegal is qualified by education, training, or work experience to work for a law office, corporation, governmental agency, or other entity, performing specifically delegated substantive legal work for which a lawyer is responsible. Paralegals are also referred to as Legal Assistants in some legal settings.

The curriculum provides students with practical legal skills enabling them to draft legal documents with minimum supervision. Students also are familiarized with fundamental concepts of substantive areas such as torts and business law. In addition, emphasis is placed on the development of effective written and oral communication skills, team work, critical thinking skills, computer proficiency, and legal research techniques. Legal theory and related practical applications are integrated throughout the program. Students also learn how to manage practical ethical dilemmas commonly encountered as working paralegals.

Earning a Certificate of Achievement from the L.A. Mission College Paralegal Studies Program (36 units/12 law classes) complies with the educational requirements of California law (http://profj.us/newlaw) regulating paralegals in the State of California.

Program Learning Outcomes – Upon completion, students will be able to:
• Correctly use legal terminology and understand the fundamentals of our legal system; its processes and procedures;
• Conduct effective legal research;
• Prepare legal briefs and/or memoranda and court documents in a professional and competent manner.

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAW 001</td>
<td>3</td>
</tr>
<tr>
<td>LAW 002</td>
<td>3</td>
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<td>LAW 010</td>
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<td>or LAW 035</td>
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<tr>
<td>LAW 020</td>
<td>3</td>
</tr>
<tr>
<td>LAW 034</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 36

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CERTIFICATE OF ACHIEVEMENT
Pharmacy Technician – Advanced (M035263D)
This program is designed to prepare students for a career in pharmacy. Upon successful completion of the required coursework students are eligible to apply for the State of California Pharmacy Technician licensure and are prepared to work in outpatient, inpatient, and home health care pharmacy settings.

Program Learning Outcomes – Upon completion, students will be able to:
• Work in various pharmacy settings
• Acquire the fundamental pharmacy technician skills in an outpatient, inpatient, or home health care pharmacy setting
• Apply ethics and growth related to the pharmacy technician profession

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHRMCTK 023 Introduction to Pharmacy</td>
<td>2</td>
</tr>
<tr>
<td>PHRMCTK 029 Body Systems I</td>
<td>3</td>
</tr>
<tr>
<td>PHRMCTK 030 Body Systems II</td>
<td>3</td>
</tr>
<tr>
<td>PHRMCTK 031 Pharmacy Calculations</td>
<td>2</td>
</tr>
<tr>
<td>PHRMCTK 032 Pharmacy Operations</td>
<td>4.5</td>
</tr>
<tr>
<td>PHRMCTK 034 Community Pharmacy Externship</td>
<td>2.5</td>
</tr>
<tr>
<td>PHRMCTK 035 Inpatient Pharmacy Services</td>
<td>2</td>
</tr>
<tr>
<td>PHRMCTK 036 In-Patient Pharmacy Externship</td>
<td>2.5</td>
</tr>
<tr>
<td>PHRMCTK 037 Sterile Products</td>
<td>4.5</td>
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<tr>
<td>PHRMCTK 038 Sterile Products Externship</td>
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Total 28.5

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<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNITS</th>
</tr>
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<tbody>
<tr>
<td>LAW 001</td>
<td>3</td>
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<tr>
<td>LAW 002</td>
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<td>LAW 010</td>
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<td>LAW 011</td>
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<tr>
<td>LAW 012</td>
<td>3</td>
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<tr>
<td>LAW 013</td>
<td>3</td>
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<td>or LAW 035</td>
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<td>LAW 034</td>
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</table>

Total 36
AB 705 Business, Science, Technology, Engineering, and Mathematics (BSTEM)

- **HS GPA < 2.6 WITHOUT HS Pre-Calculus**
  - Math 134 (6 units)
    - Accelerated Elementary and Intermediate Algebra

- **HS GPA ≥ 3.4**
  - Math 238 (5 units)
    - Calculus for Business and Social Science I

- **HS GPA ≥ 2.6 OR Enrolled in HS Pre-Calculus**
  - Math 240S (4 units)
    - Trigonometry with Support

- **HS GPA < 2.6 AND Enrolled in HS Calculus OR HS GPA ≥ 2.6 AND Enrolled in HS Pre-Calculus**
  - Math 260 (5 units)
    - Pre-Calculus

- **HS GPA ≥ 2.6 AND Enrolled in HS Calculus**
  - Math 265 (5 units)
    - Calculus with Analytic Geometry I
  - Math 266 (5 units)
    - Calculus with Analytic Geometry II

- **Math 267 (5 units)**
  - Calculus with Analytical Geometry III

- **Math 270 (3 units)**
  - Linear Algebra

- **Math 275 (3 units)**
  - Ordinary Differential Equations

- **Math 272 (5 units)**
  - Methods of Discrete Math

- **Math 240 (3 units)**
  - Trigonometry
  - AND
  - Math 245 (3 units)
    - College Algebra

- **Co Sci 440 (3 units)**
  - Programming in C++
  - OR
  - Co Sci 452 (3 units)
    - Programming in Java
AB 705 Statistics/Liberal Arts Mathematics/Elementary Teacher (SLAM)

**HS GPA < 3.0**
- **Math 227A** (2 units)
  Statistics I
- **Math 227B** (2 units)
  Statistics II

**HS GPA ≥ 3.0**
- **Math 227S** (4 units)
  Statistics with Support
- **Math 230** (3 units)
  Mathematics for Liberal Arts Students
- **Math 215** (3 units)
  Principles of Mathematics I
- **Math 227** (4 units)
  Statistics