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## LOS ANGELES MISSION COLLEGE 2020-2021 CATALOG ADDENDUM I

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.

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### UPDATED COURSES

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|----------------------------|--------------------|-------------------------|--------------------|
| • BSICSKL 075CE            | course description | • ESL 003A, 003B, 003C, |                    |
| • CH DEV 022, 023          | course description | 004C, 005C, 006C        | prerequisites      |
| • CS 113                   | prerequisites      | • FAM &CS 070           | course description |
| • CS 213                   | prerequisites      | • MGMT 013              | course description |
| • CS 136                   | prerequisites      | • PSYCH 001             | course description |
| • EDUC 001, 203            | course description | • THEATER 185, 285, 385 | course description |
| • EGD TEK 111              | prerequisites      |                         |                    |
| • E.S.L. 004A, 004B, 005A, |                    |                         |                    |
| 005B, 006A, 006B           | prerequisites      |                         |                    |

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### NEW COURSES

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| • KIN ATH 514 | • LAW 003 |
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### NEW NONCREDIT COURSES

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|---|---|
| • ESL NC 131CE, 132CE, 133CE, 141CE, 142CE, 143CE, 151CE, 152CE, 153CE, 161CE, 162CE, 163CE | • VOC ED 190CE, 191CE, 192CE, 193CE, 194CE, 195CE |
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### UPDATED CREDIT EDUCATIONAL PROGRAMS

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|---|--|
| • ASSOCIATE IN ARTS FOR TRANSFER (AA-T) <ul style="list-style-type: none"><li>◦ Studio Arts</li></ul>   | • ASSOCIATE IN SCIENCE (AS): <ul style="list-style-type: none"><li>◦ Biology</li><li>◦ Full Stack Developer</li></ul>  |
| • ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T) <ul style="list-style-type: none"><li>◦ Nutrition and Dietetics</li></ul>  | • CERTIFICATE OF ACHIEVEMENT <ul style="list-style-type: none"><li>◦ Child Development Administration</li><li>◦ Legal Assisting (Paralegal)</li><li>◦ Pharmacy Technician - Advanced</li></ul> |
| • ASSOCIATE IN ARTS (AA): <ul style="list-style-type: none"><li>◦ Art</li><li>◦ Art, Gallery and Museum Studies</li><li>◦ Family Studies</li><li>◦ Legal Assisting (Paralegal)</li><li>◦ Painting</li></ul> |  |

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### OTHER UPDATES

- MATH PLACEMENT CRITERIA for Los Angeles Mission College (Effective Winter 2021)
  - BSTEM Tiers
  - SLAM Tiers

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## COURSE DESCRIPTIONS

### BSICKL 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 113 PROGRAMMING IN JAVA – (CSU:C-ID COMP 122 = CS 113 + CS 216) 3 UNITS

*(formerly CO SCI 452 Programming in Java)*

**Prerequisite:** CS 101 | **Lecture:** 2 hrs, **Lab:** 2 hrs

Covers Java language and object-oriented programming paradigm. Topics include control structures, methods, Java classes, overloading, object references, Java library packages, and file I/O.

### 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.

### **ESL 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 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.

### **ESL 003B COLLEGE ESL 3B: READING/VOCABULARY (NDA) 3 UNITS**

**Prerequisite:** None | **Advisory:** ESL NC 009CE | **Lecture:** 3 hrs

NOTE: Student must take ESL 003B + ESL 003C together

NOTE: Class is graded pass/no-pass

A low intermediate reading and vocabulary course that emphasizes the development of reading skills and the beginning of academic vocabulary.

### **ESL 003C COLLEGE ESL 3C: LISTENING/SPEAKING (NDA) 3 UNITS**

**Prerequisite:** None | **Advisory:** ESL NC 009CE | **Lecture:** 3 hrs

NOTE: Student must take ESL 003B + ESL 003C together

NOTE: Class 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 E.S.L. 4A: WRITING/GRAMMAR (NDA) 6 UNITS**

**Prerequisite:** ESL 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 E.S.L. 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 + ESL 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.

### **ESL 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 + ESL 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 E.S.L. 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 E.S.L. 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.

### **ESL 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.

### **ESL 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.

### **ESL NC 131CE COLLEGE ESL III: WRITING AND GRAMMAR – NONCREDIT**

**Prerequisite:** None | **Advisory:** Completion of ESL NC 009CE with of 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.

### **ESL NC 132CE COLLEGE ESL III: READING AND VOCABULARY – NONCREDIT**

**Prerequisite:** None | **Advisory:** Completion of ESL NC 009CE with of 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.

### **ESL NC 133CE COLLEGE ESL III: LISTENING AND SPEAKING – NONCREDIT**

**Prerequisite:** None | **Advisory:** Completion of ESL NC 009CE with of 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.

### **ESL NC 141CE COLLEGE ESL IV: WRITING AND GRAMMAR – NONCREDIT**

**Prerequisite:** Completion of ESL NC 131CE with a grade of 'Pass', Completion of ESL 003A with a grade of 'Pass' or Appropriate Score on ESL/CASAS Placement Test. | **Lecture:** 6 hrs,

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.

### **ESL NC 142CE COLLEGE ESL IV: READING AND VOCABULARY – NONCREDIT**

**Prerequisite:** Completion of ESL NC 132CE with of a grade of 'Pass', or Completion of ESL 003B 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.

### **ESL NC 143CE COLLEGE ESL IV: LISTENING AND SPEAKING – NONCREDIT**

**Prerequisite:** Completion of ESL NC 133CE with of a grade of 'Pass', OR Completion of ESL 003C 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.

### **ESL NC 151CE COLLEGE ESL V: WRITING AND GRAMMAR – NONCREDIT**

**Prerequisite:** Completion of E.S.L. 004A for credit with a grade of 'Pass', or Completion of ESL NC 141CE with of a grade of 'Pass', or Appropriate Score on ESL/CASAS Placement Test. | **Lecture:** 6 hrs,

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.

### **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 V: 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 E.S.L. 005B with 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 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 planet. 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)

<b>Art History courses:</b>		<b>3</b>
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 Dietitians/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

		UNITS
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
<b>List A: Select one (1) course:</b>		<b>4</b>
MATH 227	Statistics	
<b>List B: Select one (1) course:</b>		<b>4</b>
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	UNITS
ART 201 Drawing I	3
ART 300 Introduction to Painting	3
ART 501 Beginning Two Dimensional Design	3
ART 502 Beginning Three Dimensional Design	3
<b>List A: Select two (2) from the following four (4)</b>	
<b>Art History courses:</b>	<b>6</b>
ARTHIST 110 Survey of Western Art History I	
ARTHIST 120 Survey of Western Art History II	
ARTHIST 130 Survey of Asian Art History	
ARTHIST 140 Survey of Arts of Africa, Oceania, and Ancient America	
<b>List B: Select one (1) from the following three (3)</b>	
<b>Drawing courses:</b>	<b>3</b>
ART 202 Drawing II	
ART 204 Life Drawing I	
ART 209 Perspective Drawing	
<b>List C: Select one (1) from the following eight (8)</b>	
<b>multidiscipline courses:</b>	<b>3</b>
ART 307 Oil Painting I	
ART 700 Introduction to Sculpture	
MULTIMD 100 Introduction to Multimedia Computer Applications	
MULTIMD 220 Digital Imaging	
MULTIMD 240 Graphic Design for Multimedia	
MULTIMD 320 Web Design	
MULTIMD 400 Introduction to Experimental Animation	
PHOTO 007 Exploring Digital Photography	
<b>Total 24</b>	

*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, Gallery and Museum Studies (M033689C)**

Art, Gallery and Museum Studies Associate of Arts Degree prepares students to enter the field of gallery and museum work. The program

combines theory with practical synthesis of art, design and media skills with a foundation in art history.

**Program Learning Outcomes** – Upon completion, students will be able to:

- Synthesize knowledge of the art history in the selection of artwork for a themed exhibition.
- Design and install an art exhibition with themed and educational content.
- 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.
- Document and market an exhibition through various media.

REQUIRED COURSES	UNITS
ART 092 Introduction to Museum Studies	3
ART 501 Beginning Two Dimensional Design	3
ART 502 Beginning Three Dimensional Design	3
ART 519 Exhibition Design	3
<b>List A: Select two (2) from the following six (6)</b>	
<b>Art History courses:</b>	<b>6</b>
ARTHIST 110 Survey of Western Art History I	
ARTHIST 120 Survey of Western Art History II	
ARTHIST 130 Survey of Asian Art History	
ARTHIST 140 Survey of Arts of Africa, Oceania, and Ancient America	
ARTHIST 170 History of Contemporary Art	
<b>List B: Select one (1) from the following four (4)</b>	
<b>multidiscipline courses:</b>	<b>3</b>
MULTIMD 100 Introduction to Multimedia Computer Applications	
MULTIMD 240 Graphic Design for Multimedia	
MULTIMD 320 Web Design	
PHOTO 007 Exploring Digital Photography	
<b>Total 21</b>	

*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	UNITS
CH DEV 001 Child Growth & Development	3
CH DEV 011 Child, Family & Community	3
FAM &CS 031 Marriage & Family Life	3
FAM &CS 070 Field Experience in Family & Consumer Studies	3
<b>Select two (2) courses:</b>	<b>6</b>
CH DEV 055 Home Visitation Programs	
FAM &CS 006 Challenges of Aging	
PSYCH 041 Life Span Psychology	
SOC 031 Sociology of Gender	
<b>Total 18</b>	

*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, 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.

**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	UNITS
LAW 001 Business Law I	3
LAW 002 Business Law II	3
LAW 010 Introduction to Legal Assistant I	3
LAW 011 Introduction to Legal Assistant II	3
LAW 012 Tort Law & Claims Investigation	3
LAW 013 Wills, Trusts & Probate Administration	3
or LAW 035 Immigration Law for Paralegals	3
LAW 016 Civil & Criminal Evidence	3
LAW 017 Legal Writing	3
LAW 018 Marriage & Family Law	3
LAW 019 Property & Creditor Rights	3
LAW 020 Basic Probate Procedure	3
LAW 034 Legal Research Lab	3
<b>Total</b>	<b>36</b>

*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	UNITS
ART 201 Drawing I	3
ART 300 Introduction to Painting	3
ART 501 Beginning Two Dimensional Design	3
ART 502 Beginning Three Dimensional Design	3
<b>List A: Select two (2) from the following four (4)</b>	
<b>Art History courses:</b>	<b>6</b>
ARTHIST 110 Survey of Western Art History I	
ARTHIST 120 Survey of Western Art History II	
ARTHIST 130 Survey of Asian Art History	
ARTHIST 140 Survey of Arts of Africa, Oceania, and Ancient America	
<b>List B: Select one (1) from the following three (3)</b>	
<b>Drawing courses:</b>	<b>3</b>
ART 202 Drawing II	
ART 204 Life Drawing I	
ART 209 Perspective Drawing	
<b>List C: Select three (3) from the following six (6)</b>	
<b>Painting courses:</b>	<b>9</b>
ART 304 Acrylic Painting I	
ART 305 Acrylic Painting II	
ART 306 Acrylic Painting III	
ART 307 Oil Painting I	
ART 308 Oil Painting II	
ART 309 Oil Painting III	
<b>List D: Select one (1) from the following two (2)</b>	
<b>Drawing courses:</b>	<b>9</b>
MULTIMD 100 Introduction to Multimedia Computer Applications	
PHOTO 007 Exploring Digital Photography	
<b>Total</b>	<b>33</b>

*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	UNITS
BIOLOGY 006 General Biology I – Molecular and Cellular Biology	5
BIOLOGY 007 General Biology II – Organismal, Evolutionary and Ecological Biology	5
CHEM 101 General Chemistry I	5
CHEM 102 General Chemistry II	5
MATH 227 Statistics	4
or MATH 260 Precalculus	5
or MATH 240 Trigonometry	3
& MATH 245 College Algebra	3

**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	UNITS
CS 101 Introduction to Computer Science <i>(formerly CO SCI 401 Introduction to Computers &amp; Their Uses)</i>	3
CS 119 Programming in Python	3
CIS 219 Introduction to Oracle: SQL and PL/SQL <i>(formerly CO SCI 434 Introduction to Oracle: SQL)</i>	3

CIS 124 Data Analytics (Advanced Excel and Access) <i>(formerly CO SCI 430 Data Analytics)</i>	3
CIS 192 Introduction to Cloud Computing	3
CIS 193 Database Essentials in Amazon Web Services	3
CIS 194 Computer Engines in Amazon Web Services	3
CIS 148 Introduction to Web Development HTML5 & CSS <i>(formerly CO SCI 450 Web Application Development)</i>	3
CS 112 Programming in Javascript <i>(formerly CO SCI 462 Programming in Javascript)</i>	3
CS 157 Full -Stack Web Application Development <i>(formerly CO SCI 463 Full Stack Web Application Development)</i>	3

**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	UNITS
CH DEV 001 Child Growth and Development	3
CH DEV 011 Child, Family and Community	3
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 065 Early Childhood Mentoring and Adult Supervision	2
CH DEV 022 Practicum in Child Development I or CH DEV 023 Practicum in Child Development II	4

**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	UNITS
LAW 001 Business Law I	3
LAW 002 Business Law II	3
LAW 010 Introduction to Legal Assistant I	3
LAW 011 Introduction to Legal Assistant II	3
LAW 012 Tort Law & Claims Investigation	3
LAW 013 Wills, Trusts & Probate Administration	3
or LAW 035 Immigration Law for Paralegals	3
LAW 016 Civil & Criminal Evidence	3
LAW 017 Legal Writing	3
LAW 018 Marriage & Family Law	3
LAW 019 Property & Creditor Rights	3
LAW 020 Basic Probate Procedure	3
LAW 034 Legal Research Lab	3
<b>Total</b>	<b>36</b>

### CERTIFICATE OF ACHIEVEMENT Pharmacy Technician – Advanced (M035263D)

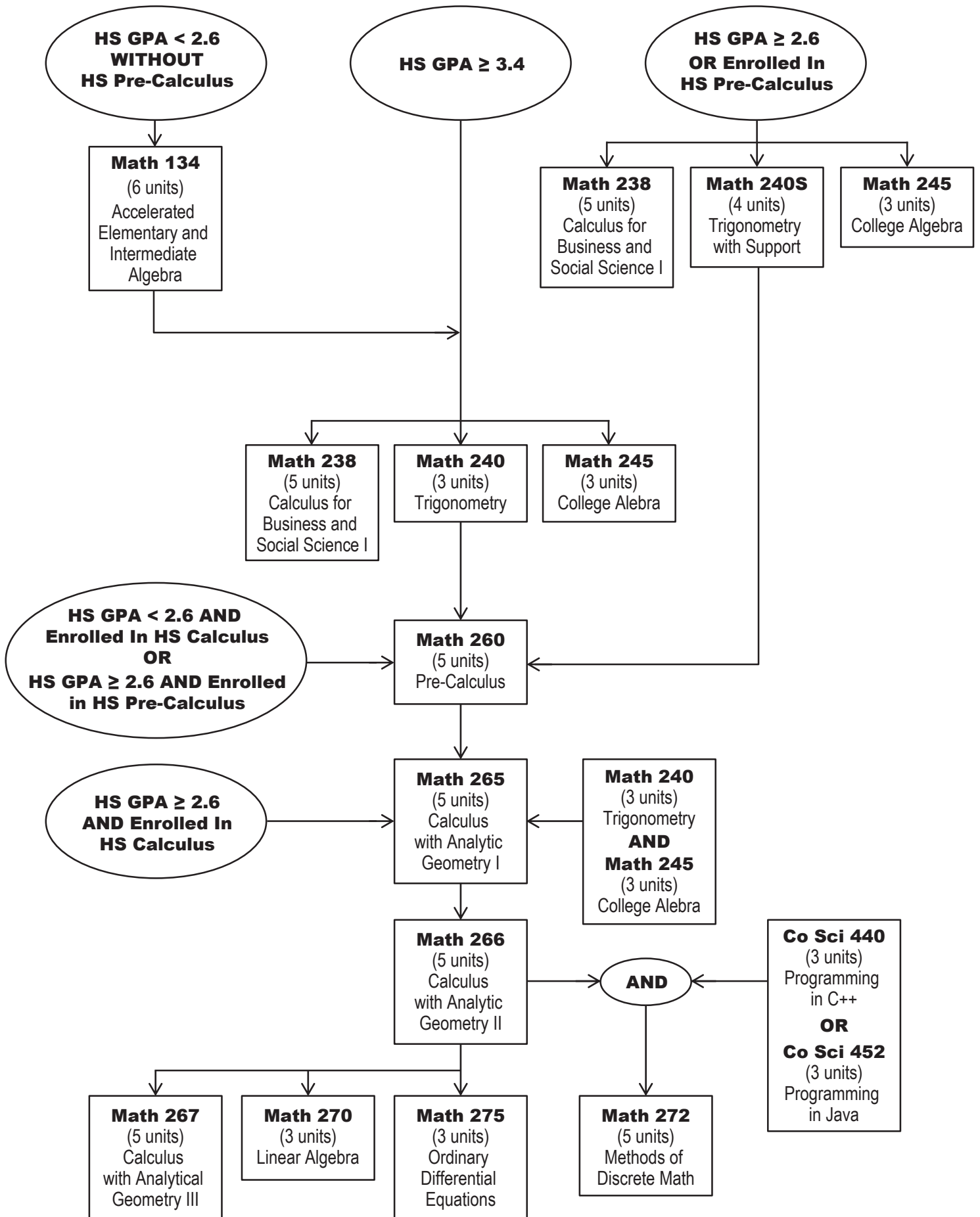
This program is designed to prepare students for a career in pharmacy. Upon successful completion of the required coursework students are eligible to apply for the State of California Pharmacy Technician licensure and are prepared to work in outpatient, inpatient, and home health care pharmacy settings.

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

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



## AB 705 Statistics/Liberal Arts Mathematics/Elementary Teacher (SLAM)

