

Saddleback College Catalog Update

January 2017

**Updated – 5/17/2017*

The Saddleback College Catalog Update represents course, program and content revisions made since the publication of the catalog.

The update notes whether courses or programs are new or modified, any changes are highlighted in **RED**.

Students are strongly encouraged to seek advice from the Counseling faculty and department chairs regarding program requirements in the development of their academic plan. While every effort has been made to ensure the accuracy of the information provided in the catalog and the addendum, Saddleback College reserves the right to make changes as necessary, and to change, without notice, any of the information, requirements, and regulations as required for compliance with State regulations.

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Catalog 2016-17 Addition

Associate in Science Degree in Biology for Transfer

The curriculum of the Biology program is designed to provide the transfer student the opportunity to achieve an Associate in Science in Biology for Transfer degree by providing the necessary breadth of study and an introduction to research methods used in a variety of Biology disciplines. The Associate in Science in Biology for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Biology or similar major. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers that can be achieved through transfer.

Students who complete this program will be able to demonstrate:

- A working knowledge of the scientific method
- The ability to articulate (verbally and in writing) knowledge of biological concepts, biological methods, and current biological issues.
- An awareness of the impact that biology has had on society at large
- Scientific critical thinking skills, such as assessing the appropriateness of experimental design and interpreting data

To earn the Associate in Science in Biology for Transfer degree, students must complete 60 CSU-transferable semester units with a minimum grade point average of 2.0, including both of the following:

- completion of all courses required for the major with grades of "C" or better; and
- completion of the Intersegmental General Education Transfer Curriculum for Science, Technology, Engineering, and Mathematics (IGETC for STEM) pattern¹

Course ID	Title	Units
Required Core (8 units)		
BIO 4A*	Principles of Cellular Biology	4
BIO 4B*	Principles of Organismal Biology	4
List A: (23-25 units)		
CHEM 1A*	General Chemistry	5
<i>or</i>		
CHEM 2*	General Chemistry Principles	5
CHEM 1B*	General Chemistry	5
MATH 3A*	Analytic Geometry and Calculus	5
<i>or</i>		
MATH 3AH*	Honors Analytic Geometry and Calculus	5
PHYS 1A*	Physics with Calculus for Chemistry And Life Science I	4
<i>and</i>		
PHYS 1B*	Physics with Calculus for Chemistry And Life Science II	4
<i>or</i>		
PHYS 2A*	Introduction to Physics	5
<i>and</i>		
PHYS 2B*	Introduction to Physics	5
<i>or</i>		
PHYS 4A*	General Physics	5
<i>and</i>		
PHYS 4B*	General Physics	5
Total Units for the Major 31-33		5

* Course has a prerequisite, corequisite, limitation, or recommended preparation, see course description.

Catalog 2016-2017 Addition (continued)

Associate in Science Degree in Biology for Transfer CONTINUED

¹IGETC for STEM is only an option for students earning AS-T degrees in Biology for Transfer and/or Chemistry for Transfer. IGETC for STEM certification requires the following courses before transfer:

- all Courses in Area 1 (except 1C for UC-bound students), 2, and 5 of the traditional IGETC;
- two courses in Area 3 – one course in Area 3A and one course in Area 3B; and
- two courses in Area 4 from two different disciplines.

The following deferred courses must be completed *after* transfer:

- one remaining lower-division general education course in Area 3;
- one remaining lower-division general education course in Area 4; and
- one course in Area 6 for UC-bound students who have not satisfied the requirement through proficiency.

(The deferred lower-division courses must be replaced with calculus and/or science courses that are required to be taken before transfer to the university.)

Catalog 2016-17 Addition

Approval date May 4, 2017

Adult Education English as a Second Language – Beginning Level Certificate of Competency

The Adult Education in English as a Second Language (AESL) Certificate of Competency – Beginning Level is designed for students to demonstrate basic English language skills. The goal of this level is to build reading, writing, listening, speaking, grammar, and vocabulary skills so that students can communicate effectively in everyday situations. Emphasis on comprehending simple conversation, communicating survival needs, reading phrases and simple sentences, and performing communicative written tasks.

Students are placed within the following sequence of foundation courses according to their English abilities and progress through this sequence. Courses may be offered days, evenings and weekends during fall, spring and summer. There are no enrollment limitations or prerequisites for these courses.

Program Student Learning Outcomes

To earn the AESL Certificate of Competency – Beginning Level, students must demonstrate proficiency in their ability to:

1. Identify or use appropriate language to get information or solve a problem.
2. Identify or use various methods to make purchases, returns and exchanges.
3. Identify driving regulations and emergency numbers/procedures.
4. Communicate with medical staff regarding condition, diagnosis, and treatment.
5. Identify procedures involved in finding, applying and interviewing for a job.
6. Identify the basic structure of American government and the political system.
7. Distinguish fact from opinion, and determine what is required and optional.

Course ID	Title	Hours
AESL 701T	Basic Literacy	149.40
AESL 702T	Beginning Low	149.40
AESL 703T	Beginning High	149.40

Total Hours for the Certificate 298.80 – 448.20

Students who earn the AESL Certificate of Competency – Beginning are eligible to take AESL Citizenship (708T) and may be prepared to enter the workplace.

Catalog 2016-17 Addition

Approval date April 6, 2017

Adult Education English as a Second Language – Intermediate -Advanced Level Certificate of Competency

The Adult Education in English as a Second Language (AESL) Certificate of Competency–Intermediate-Advanced is designed for students to demonstrate “Advanced Low” English language skills. The goal of this level is to build reading, writing, listening, speaking, grammar, vocabulary and study skills, so that students can continue to communicate effectively in everyday situations and plus develop the language necessary to work toward career, personal and education goals (including preparation for credit courses).

Students are placed within the following sequence of core courses according to their English abilities and progress through this sequence. Courses may be offered days, evenings and weekends during fall, spring and summer. To enroll in these courses, students demonstrate the competencies from the AESL-Beginning Certificate, or have taken the Beginning-level courses. There are no enrollment limitations or prerequisites for **these** courses.

Program Student Learning Outcomes

To earn the AESL Certificate of Competency – Intermediate-Advanced, students must demonstrate proficiency in their ability to:

1. Understand face-to-face and telephone conversations in familiar and unfamiliar contexts.
2. Take and interpret telephone messages, leave messages on voice mail, and interpret recorded messages.
3. Use English appropriately in social situations (e.g. ask for and offer opinions and advice; respond to tag questions; express emotions).
4. Scan for specific details, skim for general ideas, using multi-paragraph authentic reading passages on familiar topics.
5. Summarize and discuss multi-paragraph reading passages or audio-visual materials.
6. Write related sentences to form a fully comprehensible paragraph on a topic of personal interest, experience or knowledge.
7. Write a short biography, personal letters, business letters and letters of complaint
8. Complete forms such as medical health history, job application, college application.
9. Interpret and critically assess information from online sources.
10. Interpret wages, wage deductions, benefits and timekeeping forms

Course ID	Title	Hours
AESL 704T	Intermediate Low	149.40
AESL 705T	Intermediate High	149.40
AESL 706T	Advanced Low	149.40

Total Hours for the Certificate 298.80 – 448.20

Students who earn the AESL Certificate of Competency – Intermediate-Advanced are eligible to take AESL Citizenship (708T) and may be prepared to enter the Saddleback College ESL Program or CTE job-preparation program (placement tests required for both).

Catalog 2016-17

COURSE ADDITIONS

ANTHROPOLOGY

ANTH 1H **HONORS BIOLOGICAL ANTHROPOLOGY** **3 Units 3 hours lecture**

Transfers: CSU, UC

An introduction to the study of human evolution and human variation. Topics include the scientific method, evolutionary theory, molecular and Mendelian genetics, population genetics and the forces of evolution, primate anatomy and behavior, the fossil and genetic evidence for human evolution, and modern human variation and biocultural adaptations. This honors course is enriched by limited class size, seminar format, an extensive research project, and an academic poster presentation. Letter grade only. Credit for either 1 or 1H, but not both. The supplemental laboratory class may be taken concurrently or within one year of completion of the lecture course. NR

ANTH 2H **HONORS CULTURAL ANTHROPOLOGY** **3 Units 3 hours lecture**

Transfers: CSU, UC

An introduction to the comparative study of culture and society. Includes an examination of the similarities and differences in cultures around the world. Topics include anthropological theory and methodology, family and kinship, ritual and religion, economic organization, social inequalities, cultural change, and the impact of globalization. This honors course will be enriched through limited class size, seminar format and an extensive research project, culminating in an academic poster presentation. Must be taken for a letter grade. Credit may be earned in either ANTH 2 or 2H, but not both. NR

ARABIC

ARAB 10 **INTERMEDIATE CONVERSATIONAL ARABIC** **3 Units 3 hours lecture**

Transfers: CSU, UC

Prerequisite: Arabic 2 or four years of high school Arabic

Designed to develop fluency in Arabic. The emphasis is on both formal and informal expressions and conversation in Arabic. NR

BIOLOGY

BIO 3AH **HONORS GENERAL BIOLOGY I** **5 Units 3 hours lecture 6 hours lab**

Transfers: CSU, UC

Prerequisite: CHEM 1A or CHEM 2

Presents the principles of life and life processes with an emphasis on cellular chemistry, cellular structure, cellular energetics, evolution, molecular biology, genetics, and ecology of living organisms. Hypothesis based research project and presentation are required to fulfill the objectives of the course. Field trips may be required to fulfill the objectives of the course. NR

BIO 3BH **HONORS GENERAL BIOLOGY II** **5 Units 3 hours lecture 6 hours lab**

Transfers: CSU, UC

Prerequisite: BIO 3A, BIO 3A Honors or BIO 4A

Builds upon BIO 3A with emphasis on the origins of life, plant and animal structure and physiology, evolutionary relationships of taxonomic groups, and ecology. Hypothesis based research project and presentation are required to fulfill the objectives of the course. Field trips will be required to fulfill the objectives of the course. NR

CHILD DEVELOPMENT AND EDUCATION

CDE 7H **HONORS CHILD GROWTH AND DEVELOPMENT** **3 Units 3 hours lecture**

Transfers: CSU, UC

Recommended Preparation: ENG 200 and ENG 340

Examines the major physical, cognitive, social and emotional developmental milestones for children from conception through adolescence. Emphasis will be on interactions between maturational processes and environmental factors. Students will observe children, evaluate individual differences and analyze characteristics at various stages according to developmental theories. This honors course will be enriched through limited class size, in-depth focus on key topics, extensive observation and analysis of child development, and critical analysis of literature for developmental themes. Must be taken for a letter grade. Credit may be earned in either CDE 7 or 7H, but not both. NR

DANCE

DANC 73

ADVANCED JAZZ DANCE

1.5 Units 1 hour lecture 2 hours lab

Transfers: CSU, UC

Recommended Preparation: DANC 59

A course for the more advanced student emphasizing various and combined styles, complex isolations and heightened tempos found in jazz dancing (formerly DANC 173). Students are limited to a combined total of four enrollments in DANC 57, 58, 59, and 73. NR

ENGLISH

ENG 22

INTRODUCTION TO SHAKESPEARE

3 Units 3 hours lecture

Transfers: CSU, UC

Prerequisite: Eligibility for ENG 1A

A study of representative works from Shakespeare, including comedies, tragedies, and histories. NR

HISTORY

HIST 73

JAPANESE POPULAR CULTURE

3 Units 3 hours lecture

Transfers: CSU, UC

An overview of Japanese popular culture from the Tokugawa era (1600-1868) to the present with an emphasis on contemporary (post-1945) popular culture. Focus is on changes in Japanese culture through movies, anime (animated cartoons), comic books, music, and other artifacts. Topics include the role of mass media, the globalization of Japanese popular culture, and changing ideas of race, gender, and society. NR

KINESIOLOGY

KNES 100

INTERMEDIATE ROCK CLIMBING

1 Unit 0.5 hours lecture 1.5 hours lab

Transfers: CSU

Recommended Preparation: KNES 63

Intermediate skills of rock climbing with emphasis on the technical principles of bouldering, lead climbing, and top ropes. Students are limited to a combined total of four enrollments in KNES 63, 100, and 101. NR

KNES 101

ADVANCED ROCK CLIMBING

1 Unit 0.5 hours lecture 1.5 hours lab

Transfers: CSU

Recommended Preparation: KNES 100

Rock climbing with emphasis on the advanced principles and techniques for climbing any grade and different routes. Students are limited to a combined total of four enrollments in KNES 63, 100, and 101. NR

LIBRARY

LIB 2H

HONORS ADVANCED INFORMATION COMPETENCY, ONLINE SEARCHING

3 Units 3 hours lecture

Transfers: CSU, UC

Recommended Preparation: LIB 100

Advanced online research skills with special attention to efficient use of library catalogs, periodical databases, collections of peer-reviewed journals, statistical databases, and primary sources. Emphasis on the construction of annotated bibliographies and literature reviews for honors research projects requiring the use of primary sources, scholarly sources, and statistical databases. Credit may be earned in LIB 2 or 2H, but not both. Letter grade only. NR

SOCIOLOGY

SOC 23

FOOD AND SOCIETY

3 Units 3 hours lecture

Transfers: CSU, UC

Course examines multiple perspectives of the past, present, and future food system in the United States and globally. Topics include: theoretical perspectives of the food system, the history of the food system, industrialization, agricultural practices, the food industry, global food, food labor, access and food insecurity, food politics, food policy, culture, health and nutrition, the media and marketing, schools and education, water, and social change. NR

SPANISH

SPAN 1H

HONORS ELEMENTARY SPANISH

5 Units 5 hours lecture

Transfers: CSU, UC

Recommended Preparation: College-level reading ability

Designed to develop the fundamentals of communicative competence in colloquial Spanish. The emphasis is on listening, comprehension, and conversational skills. Early reading and writing skills are introduced, as well as fundamental aspects of culture. Equivalent to two years high school Spanish. The Honors course is enriched through limited class size; expanded writing assignments and oral presentations; additional content in history, politics, and culture; and the development of listening comprehension and conversational skills in a socio-linguistic framework. Credit may be earned for either 1 or 1H, but not both. Letter grade only. NR

SPAN 2H

HONORS ELEMENTARY SPANISH

5 Units 5 hours lecture

Transfers: CSU, UC

Prerequisite: SPAN 1 or SPAN 1H

Designed to further the fundamentals of communicative competence in daily spoken Spanish. Although the focus remains on listening comprehension and speaking, critical thinking, reading and writing skills will be expanded. This course continues the familiarization with customs and cultural achievements begun in the previous semester. This Honors course offers an enriched experience for accelerated students through limited class size, a seminar format, the reading of level-appropriate adapted Hispanic works and cultural studies, and the application of higher critical thinking skills. Equivalent to two years high school Spanish. Credit may be earned for either 2 or 2H, but not both. Letter grade only. NR

**SPAN 11
ADVANCED CONVERSATIONAL SPANISH**

3 Units 3 hours lecture

Transfers: CSU, UC

Prerequisite: SPAN 10 or SPAN 3

Recommended Preparation: SPAN 3

Designed to increase the student's ability to comprehend native spoken Spanish and increase oral fluency. Reading texts, watching Hispanic films to examine various aspects of Hispanic culture, and written and oral responses enable students to acquire new vocabulary and structures. NR

***Approved 4/3/2017**

SPECIAL SERVICES

**SPS 300
EDUCATIONAL PLANNING, ASSESSMENT, AND
ORIENTATION**

0 Units 0.5 hours lab

*Recommended Preparation: Conference with DSPS
counselor or specialist*

Designed to assess and evaluate educational, cognitive, communication, and achievement levels for students with disabilities in order to determine appropriate

accommodations for learning. In conjunction with faculty, this course develops the student education contract and plan. Orientation to supportive services and specialized learning outcomes are provided. Offered on an open-entry/open-exit basis. NR

WOMEN'S STUDIES

**WS 10H
HONORS INTRO TO WOMEN'S STUDIES
3 Units 3 hours lecture**

Transfers: CSU, UC

An exploration of the core concepts of women's and gender studies focusing on the ways in which gender as a social construct impacts social institutions, cultural practices and the lives of women and men. Emphasis is on how differences of race, ethnicity, class, sexuality and age define gendered experiences and identities. The Honors course is enhanced by a seminar format, more challenging reading assignments, more extensive writing assignments, and a smaller class size. Course may be taken for a letter grade only. Credit may be earned for WS 10 or 10H, but not both. NR

**WS 15
INTRODUCTION TO QUEER STUDIES
3 Units 3 hours lecture**

Transfers: CSU, UC

Introduction to the ways that gender and sexuality, combined with race, class, ethnicity, nationality, and other differences, shape and are shaped by social, economic, political, and cultural forces and institutions. Designed to provide students with the opportunity to understand the dynamics of gender, sexuality, race, class, and other markers of identity; social and political movements for change; and individual and social transformations within a global context. NR

Catalog 2016-17 ADDITION

Enrollment Limitations for Active Participatory Courses That Are Related in Content

New Family

KINESIOLOGY	
Category	Courses
Rock Climbing	KNES 63 KNES 100 KNES 101

Catalog 2016-17

Revision

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Online Catalog – Graduation Requirements>Occupational Skills Award

Occupational Skills Award

Occupational Skills Awards acknowledge to the recipient and the potential employer achievement of a set of vocational skills in a specific field. These awards may contain from 6 to 17.9 units and do not appear on the student transcript. ~~All courses for the Occupational Skills Award must be completed at Saddleback College.~~ At least one course required in the Occupational Skills Award must be completed at Saddleback College.

It is the student's responsibility to make a formal application for the Occupational Skills Award to the Office of Admissions and Records.

Revision

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Online Catalog – Rules and Regulations>Load Limit and Final Examinations

Load Limit

~~Students will be allowed to carry a maximum of 19 units, not including work experience or independent study. In order for a student to be considered for an overload, he/she must have a cumulative 3.0 grade point average and must petition the Counseling Office beginning the first day of classes each semester. Petitions are available in the Counseling Office.~~

Students are allowed to carry a maximum of 19 units per term, not including work experience or independent study. In order for a student to be considered for additional units beyond 19, he/she must have a cumulative 3.0 grade point average. Overload Petitions must be completed and returned to the Counseling Office.

Saddleback College does not specify a minimum load except when the student must meet certain eligibility requirements such as financial aid, student employment, Social Security certification, Veteran's enrollment certification, insurance eligibility or athletic eligibility. Eligibility for Veteran's benefits requires enrollment in the required units for each week of the certification period. The load requirement is as follows:

Full-time 12 or more units
Three-fourth time 9 - 11.5
One-half time 6 - 8.5

An average of 15-16 each semester is necessary for a student to graduate within a two-year period.

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Revision

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Applications Developer Associate in Science Degree Program

This program is designed to prepare the student for entry-level employment as an applications developer.

Program Student Learning Outcomes

Students who complete this program will be able to:

- Demonstrate key skills for employment in the areas of application development.
- Demonstrate comprehensive, broad range introductory computer competencies targeting a diverse and multicultural workforce.
- Complete technically current and challenging ongoing education.
- Apply skills in a broad range of media appropriate for a diverse population of technical students.
- Use job skills in technical professional business environments through meaningful internships and capstone projects.

Course ID	Title	Units
CIMP 5	BUSINESS PROGRAMMING I - VISUAL BASIC	3.5
CIMP 7A	BUSINESS PROGRAMMING - JAVA--BEGINNING	3
CIMW 105	WEB DEVELOPMENT AND DB - INTRO SQL AND MYSQL	3
CIMW 250A*	MICROSOFT ASP.NET - BEGINNING	3.5
	Select from Restricted Electives	5-7
Total Units for the Major:		18-20

Restricted Electives:

CIMP 7B*	Business Programming - Java - Advanced	3
CIMN 200	INTRODUCTION TO NETWORKING	3
CIMN 230	Computer Operating Systems: Unix/Linux	3
CIMW 245	Web Development: PHP & CMS/ Word Press E-Commerce	3
CIMN 250*	NETWORK AND SECURITY ADMINISTRATION USING UNIX/LINUX	3
CIMW 250B	MICROSOFT ASP.NET--ADVANCED	3
CIMW 260	WEB DEVELOPMENT: JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX	3
CIMW 100A*	WEB SITE DEVELOPMENT - HTML-BEGINNING	1.5
CIMW 100B*	WEB SITE DEVELOPMENT - HTML—ADVANCED	1.5
CIMP 115	BUSINESS PROGRAMMING--C#	3.5

Associate in Science Degree

Completion of the above courses and a minimum of 60 units including the general education requirements with an overall GPA of 2.0 qualifies the student for the Associate in Science degree. A minimum of 12 must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the CSU-GE and IGETC patterns in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Suggested coursework not required for the major: ACCT 1A, 1B; BUS 1, 12; CIM 112, CIM 121A, CIMW 207, CIMN 200, 210, ECON 2, 4, MATH 10

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Online Catalog – Degrees, Certificates, Programs

**Associate in Science Degree
in Business Administration for Transfer**

Students who complete the Associate in Science Degree in Business Administration for Transfer receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Course ID	Title	Units
ACCT 1A	Financial Accounting	4
ACCT 1B*	Managerial Accounting	4
ECON 4*	Principles (Micro)	3
ECON 2*	Principles (Macro)	3
BUS 13	Legal Environment and Business Law	3
List A: Select one of the following courses (3-5 units)		
MATH 11*	A Brief Course in Calculus	5
MATH 10*	Introduction to Statistics	3
List B: (5-6 units) Any List A course not already used		
CIM 1	Computer Information Systems	4
<i>and</i>		
BUS 1	Introduction to Business	3
<i>or</i>		
BUS 104	<u>Business Communication</u>	<u>3</u>
Total Units for the Major: 27-29		

*Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

Catalog 2016-17

Revision

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Online Catalog – Degrees, Certificates, Programs

Gerontology Certificate Program

The Gerontology Certificate Program is a multidisciplinary approach to the study of aging, the aging process, and working with older adults. Biological, sociological, and psychological aspects of aging are explored. The program aims to educate individuals seeking a career in Gerontology, pursuing advancement in their careers, and who desire to expand their knowledge for personal growth. The certificate program allows students to choose elective courses and provides suggested pathways and career objectives. Employment opportunities may include: business, marketing, environmental design, nutrition, health, recreation, fitness, food services/preparation, social/human services, senior communities, home health care, caregiving, and travel. Additional certification, degrees, and/or training may be required for the fields listed depending on the employer and occupation.

Course ID	Title	Units
Core/Required Courses		
SOC 180	Introduction to Gerontology	3
SOC 126	Death and Dying	3
PSYC 125*	Psychology of Aging	3
SOC 125	Sociology of Aging	3
Select from Restricted Electives		9-10
		Total 21-22

Restricted Electives – Pathways are suggested areas of focus, but completion of any of the courses on the restricted electives list can be used to complete the elective unit requirement.

Pathway 1 - Business

ACCT 120	Introduction to Financial Planning	3
BUS 116	Personal Law, Street Law	3
BUS 135	Marketing	3
HS 131	Multicultural and Diverse Populations In the United States	3

Pathway 2 – Environmental Design

ARCH 124A	Architectural Drawing I	4
ARCH 219*	Residential and Commercial Space Planning	4
ARCH 163	International Building Code Inspection	4
ID 214*	Bath Design	3
<i>or</i>		
ID 215*	Kitchen Design	3
HS 131	Multicultural and Diverse Populations In the United States	3

Pathway 3 – Food/Nutrition

FN 50	Fundamentals of Nutrition	3
FN 110*	Food Preparation Essentials	3
FN 161*	Nutrition for Health Occupations	2
FN 169	Lifecycle Nutrition	3
FN 210	Servsafe in Food Production	1
FN 232*	Techniques of Healthy Cooking	2
HS 131	Multicultural and Diverse Populations In the United States	3

Pathway 4 – Health

HLTH 1	Contemporary Health Issues	3
HLTH 2	First AID, CPR, and Automated External Defibrillator	1.5
HSC 233	Legal and Ethical Aspects of Health Information	3
HSC 291	Management of Aggressive Behavior in Healthcare Settings	.5
HIT 203	Alternative Healthcare Delivery System	2
MA 206	Introduction to Medical Assisting	3
HS 131	Multicultural and Diverse Populations In the United States	3

Pathway 5 – Recreation/Fitness

HSC/KNEA 151	Intro to Therapy and Career Exploration Of Rehabilitation	3
KNES 51	Introduction to Kinesiology	3
KNES 52	Fundamentals of Human Movement	3
HS 131	Multicultural and Diverse Populations In the United States	3

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Gerontology Certificate Program
Continued

Pathway 6 – Human Services

HS 100*	Introduction to Human Services	3
HS 140	Group Leadership and Group Process	3
HS 174	Case Administration, Crisis Intervention And Referral	3
HS 220	Benefits and Entitlement	3
HS 285	Ethical Issues and Clients' Rights	3
SOC 10	Introduction to Marriage and The Family	3
HS 131	Multicultural and Diverse Populations in the United States	3

*Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

Catalog 2016-17

Revision

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Online Catalog – Degrees, Certificates, Programs

Global Business Associate in Science Degree Program

Technology and international commerce have redefined business in a global context. The Global Business program prepares students for careers in international business and industries that deal with international trade and global markets. The program focuses on the dynamics of international organization, environments, trade, language, socioeconomic and cultural forces, political and legal issues, **import/export processes and regulations**, and emerging global markets. Completion of the recommended electives demonstrates global competencies in international business. Elective courses provide specialized areas of study.

Course ID	Title	Units
BUS 1	Introduction to Business	3
<i>or</i>		
BUS 1H	Honors Introduction to Business	3
BUS 13	Legal Environment & Business Law	3
BUS 104*	Business Communication	3
BUS 150	International Business	3
BUS 260	Survey of Exporting and Importing	3
BUS 103	Business English	3
<i>or</i>		
ENG 1A*	Principles of Composition	4
<i>or</i>		
ENG 1AH*	Principles of Composition Honors	4
Restricted Electives:		6
BUS 102	Oral Business Communications	3
BUS 105	Social Media Marketing	3
<i>or</i>		
BUS 109	eCommerce Marketing	3
BUS 106	Legal Aspects of Entrepreneurship	2
BUS 107	Innovation and New Product Development	3
BUS 108	Social Entrepreneurship	3
BUS 111	Business Sustainability Strategies: People, Planet, Profit	3
BUS 120	Business Management	3
BUS 135	Marketing	3
BUS 137	Professional Selling Fundamentals	3
BUS 138/CTVR 138	Advertising	3
BUS 160	Entrepreneurship	3
SP 20	Intercultural Communication	3
CWE 180	Cooperative Work Experience: Business	1-3

Total Units for the Major 24-25

*Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

Associate Degree

Associate in Science Degree

Completion of the certificate program and a minimum of 60 units including the general education requirements with an overall GPA of 2.0 **qualify** the student for the Associate in Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the CSU-GE and IGETC patterns in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

Suggested coursework not required for the major: BUS 116, 125, 136, 223.

Catalog 2016-17

Correction

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Online Catalog – Degrees, Certificates Programs

Health Information Technology Associate in Science Degree Program

The Health Information Technician (H.I.T.) program grants a certificate upon the successful completion of the 4-semester or 2 year coursework. The HIT associate degree program comprises of the 4-semester coursework certificate plus the general education courses needed to get the associate's degree. Since the associate degree in HIT is a high unit degree (more than 60 units), it typically takes longer than 2 years to complete. The HIT certificate and degree prepare the student for employment as a health information professional with the knowledge and skills to accurately code diagnoses and procedures for healthcare services provided to patients, and to collect, maintain, and analyze clinical data in electronic health records that physicians, nurses, and other healthcare staff rely on to deliver quality healthcare. Provide training through didactic instruction and directed practice. Facilities employing health information technology professionals include hospitals, ambulatory care centers, physician offices, long-term care facilities, dialysis centers, public health agencies, pharmaceutical companies, medical supply companies, rehabilitation centers, managed care organizations, behavioral and mental health facilities, law firms, and insurance firms.

Students are required to hold a valid basic life support CPR card for healthcare providers and carry professional liability insurance prior to commencing their directed practice.

Occupations/Fields that the program will prepare the student to enter:

Revenue Cycle Management/Billing/Clinical Coding
Health Information Management
Practice Management
Patient care registrar
Health Information Education
Insurance Claims specialist
Patient Portal education/liaison
Medical office administration
Quality Improvement analyst
Help Desk
Release of Information
Medical Transcription

Competencies:

Patient Registration
Revenue Cycle Management/Billing/Clinical Coding
Quality/Performance Improvement
Transcription
Release of Information
Revenue Cycle Management/Billing/Clinical Coding
Deficiency Analysis (health information)
Physician credentialing and privileging
Privacy and Security of health information
Healthcare statistics, reporting, and registries

Program Student Learning Outcomes

Students who complete this program will be able to:

- Collect, use, analyze, validate, store, and retrieve health care data.
- Manage related data, personnel management, and release of information.
- Demonstrate skill in clinical coding - converting diagnoses and procedure's to numeric codes.
- Demonstrate skills in quality assessment, financial management, and computer science.
- Apply knowledge through clinical experiences in various professional practice health care facilities.
- Demonstrate the knowledge and skills needed to successfully pass entry level HIM certification examinations and the Registered Health Information Technician examination. (RHIT)

A minimum grade of "C" in all courses is required to receive the certificate.

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Health Information Technology
Associate in Science Degree Program
Continued

Course ID	Title	Units
HSC 201	MEDICAL TERMINOLOGY	3
CIM 112	MICROSOFT OFFICE	3
HIT 200	HEALTH INFORMATION SCIENCE	3
BIO 113	HUMAN ANATOMY AND PHYSIOLOGY	4
HSC 233	LEGAL AND ETHICAL ASPECTS OF HEALTH INFORMATION	3
HIT 203	ALTERNATIVE HEALTHCARE DELIVERY SYSTEMS	2
HIT 207*	INFORMATION TECHNOLOGY/EHR IN HEALTHCARE	3
HIT 202	REIMBURSEMENT METHODOLOGIES	2
HSC 244*	DISEASE PROCESSES FOR THE HEALTH SCIENCES	3
HIT 221	ICD-10-CM	3
HIT 220	ICD-10-PCS	3
HIT 212*	REPORTING HEALTHCARE DATA	2
HIT 209*	MANAGEMENT OF RESOURCES IN HEALTHCARE	3
HIT 204	PERFORMANCE IMPROVEMENT IN HEALTHCARE	3
HIT 215*	CPT AND AMBULATORY CARE CODING	3
HIT 219*	DIRECTED PRACTICE	3
Total Units for the Major:		46

*Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

Associate Degree

Associate in Science Degree

Completion of the certificate program and a minimum of 60 units including the general education requirements with an overall GPA of 2.0 qualify the student for the Associate in Science degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the CSU-GE and IGETC patterns in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

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History Associate in Arts Degree Program

The curriculum in the History program is designed to provide the transfer student with an understanding of the diversity of the human experience and the Historical processes that have shaped individuals and communities throughout the world. It fosters critical thinking and offers the opportunity to achieve an Associate in Arts (AA) degree in History by providing the necessary breadth in the field, an introduction to the methods used in the study of History, and the ability to complete both major preparatory coursework and courses required for general education.

While a baccalaureate or higher degree is recommended for those considering this major, earning an Associate degree may support entry-level positions such as: Museum and Historical Organizations, Cultural Resources Centers, or Legislative Support Staff Worker.

Course ID	Title	Units
HIST 4	World History to 1500	3
HIST 5	World History Since 1500	3
HIST 16	History of the United States to 1876	3
HIST 17	History of the United States Since 1876	3
	Select from Restricted Electives	6

Total Units for the Major 18

Restricted Electives:

HIST 11	Perspectives of Peace Studies	3
HIST 12	Revolutions and Revolts	3
HIST 15	The Vietnam War	3
HIST 19	United States Since 1945	3
HIST 20	Ethnic Cultures of the United States	3
HIST 21	Women in United States History – A Multicultural Perspective	3
HIST 27	Latin America - Pre-European to Independent Nationhood	3
HIST 28	Latin America – 1800 to the Present	3
HIST 29	Film and History in Latin America	3
HIST 30	History of Mexico	3
HIST 32	California History	3
HIST 33	Chicanos – Latino American History	3
HIST 41	History of England Since 1688	3
HIST 61	History and Politics of Russia – Soviet Period to the Present	3
HIST 62	European History to 1650	3
HIST 63	European History Since 1650	3
HIST 70	History of Asia to 1800	3
HIST 71	History of Asia Since 1800	3
HIST 72	History of China	3
HIST 74	History of the Middle East to 1800	3
HIST 75	History of the Modern Middle East	3
HIST 80	Introduction to Contemporary Africa –	3
HIST 81	African American History	3
ES 1	Multicultural Experiences in the United States	3
ES 3	Introduction to Chicana (O) and Latina (O) Cultures	3

Suggested coursework not required for the major: ECON 20; SOC 20; PS 4, 11, 80.

* Course has a prerequisite, corequisite, limitation, or recommended preparation, see course description.

Associate in Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate in Arts degree. A minimum of 12 units must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the CSU-GE and IGETC patterns in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

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Online Catalog – Degrees, Certificates, Programs

**Associate in Science Degree
in Mathematics for Transfer**

The **Associate in Science in Mathematics for Transfer** will allow students to seamlessly transfer to a CSU campus by providing the necessary breadth in the field, an introduction to the methods used, and the ability to complete both major preparatory coursework along with courses required for general education. Students who complete the Associate in Science Degree in Mathematics for Transfer receive priority admission to the California State University system, though admission to a specific campus is not guaranteed. While an associate degree may support attempts to gain entry-level employment or promotion, a baccalaureate or higher degree is recommended for those considering professional careers, which can be achieved through transfer.

Course ID	Title	Units
Required Courses		
MATH 3A*	Analytic Geometry and Calculus	5
<i>or</i>		
MATH 3AH*	Honors Analytic Geometry and Calculus	5
MATH 3B*	Analytic Geometry and Calculus	5
MATH 3C*	Analytic Geometry and Calculus	5
List A: Select one of the following courses (4 units)		
MATH 24*	Elementary Differential Equations	4
MATH 26*	Introduction to Linear Algebra	4
List B: Select one of the following courses (3-5 units)		
PHYS 4A*	General Physics	5
MATH 10*	<u>Introduction to Statistics</u>	3
Total Units for the Major 22-24		

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Mathematics
Associate in Arts Degree Program

The curriculum in the Mathematics Associate Degree program is designed to provide the transfer student the opportunity to achieve an associate degree. While a baccalaureate or higher degree is recommended for those considering majors related to this field, earning the Associate degree may support attempts to gain entry-level employment or promotion.

Course ID	Title	Units
Prerequisites for Required Courses		
MATH 124*	Trigonometry	3
MATH 2*	Pre-Calculus Mathematics	5
First Year		
MATH 3A*	Analytic Geometry and Calculus	5
<i>or</i>		
MATH 3AH*	Honors Analytic Geometry and Calculus	5
Second Year		
MATH 3B*	Analytic Geometry and Calculus	5
MATH 3C*	Analytic Geometry and Calculus	5
MATH 24*	Elementary Differential Equations	4
MATH 26*	Introduction to Linear Algebra	4
Select from Restricted Electives		4-5
Total Units for the Major 27-36		

Restricted Electives: Select one of the following courses

CS 1B*	Introduction to Computer Science II	5
<i>or</i>		
CS 4A*	Introduction to Java for Computer Science	4

*Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

Associate in Arts Degree

Complete a minimum of 60 units including the total number of units described above and the General Education requirements with an overall GPA of 2.0 to qualify for the Associate in Arts degree. A minimum of 12 must be completed at Saddleback College.

General Education Requirements for Associate Degrees

Refer to the Graduation Requirements or to the CSU-GE and IGETC patterns in this catalog for specific courses which meet general education requirements. Refer to ASSIST.org and to the transfer institution's catalog for transfer requirements.

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KINESIOLOGY

KNES 63
BEGINNING ROCK CLIMBING
1 Unit 0.5 hours lecture 1.5 hours lab

Transfers: CSU, UC

Fundamentals of rock climbing with emphasis on the technical principles of climbing, proper equipment, rope use and knot-tying. Course will also cover environmental concerns with a strong emphasis placed on safety. **Students are limited to a combined total of four enrollments in KNES 63, 100, and 101.**

NR