

# Saddleback College Catalog Update

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.

**All corrections are as of December 8, 2017  
The corrections have been incorporated into the Online Catalog as of this date.**

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**Catalog 2017-18**  
**Correction**  
**Printed Catalog – Page 63**  
**Online Catalog – Degrees, Certificates, Programs**  
**Items highlighted in Red were omitted from original publication**

**Architectural Drafting  
Associate in Science**

This occupational program is a two-year sequence of courses designed for students who wish to train for employment in architecture or a field related to the construction industry.

**Program Student Learning Outcomes**

Students who complete this program will be able to:

- Communicate designs in the 3 languages of architectural visualization: Board Drafting, AutoCAD, and Revit.
- Demonstrate knowledge of at least 7 of the major periods of architectural history: Ancient Egyptian, Ancient Greek, Ancient Roman, Byzantine, Romanesque, Gothic, Renaissance, Baroque, Neoclassical, Craftsman, Art Nouveau, Art Deco, Modern, and Contemporary Architecture.
- Demonstrate knowledge of current construction materials and techniques for residential and commercial construction.
- Write contract documents used in the architecture, engineering and construction industry.

**First Year**

ARCH 10 INTRODUCTION TO ARCHITECTURE **2 Units**

ARCH 12 HISTORY OF ARCHITECTURE **3 Units**

ARCH 50 INTRODUCTION TO COMPUTER-AIDED DRAFTING **3 Units \***

*or*

DR 50 INTRODUCTION TO COMPUTER-AIDED DRAFTING **3 Units \***

ARCH 51 COMPUTER-AIDED DRAFTING **3 Units \***

*or*

DR 51 COMPUTER-AIDED DRAFTING **3 Units \***

ARCH 124A ARCHITECTURAL DRAWING I **4 Units**

ARCH 218 FOUNDATION STUDIO IN ARCHITECTURE **4 Units**

ARCH 219 RESIDENTIAL AND COMMERCIAL SPACE PLANNING **4 Units\***

ARCH 220 REVIT AND BUILDING INFORMATION

MANAGEMENT(BIM) **4 Units \***

**Second Year**

ARCH 34 BASIC ARCHITECTURAL DESIGN I **3 Units \***

ARCH 42 DESCRIPTIVE DRAWING AND PERSPECTIVE **3 Units \***

ARCH 122 ARCHITECTURAL PRACTICE **2 Units**

ARCH 124B ARCHITECTURAL DRAWING II **4 Units \***

ARCH 124C ARCHITECTURAL DRAWING III **4 Units \***

ARCH 126 MATERIALS AND METHODS OF CONSTRUCTION **3 Units**

Select from Restricted Electives **3-6 Units**

**Total Units for the Major: 49-52**

**Restricted Electives**

ARCH 44 ARCHITECTURAL PRESENTATION AND RENDERING **2 Units \***

ARCH 132 RESIDENTIAL PLANNING, PRINCIPLES AND DESIGN **3 Units\***

ARCH 152 ADVANCED COMPUTER-AIDED DESIGN **3 Units \***

*or*

DR 152 ADVANCED COMPUTER-AIDED DESIGN **3 Units \***

ARCH 161 BLUEPRINT PLANS AND SPECIFICATION READING **4 Units**

ARCH 163 INTERNATIONAL BUILDING CODE INSPECTION **4 Units**

ARCH 164 COMBINATION RESIDENTIAL DWELLING INSPECTION **3 Units\***

ARCH 165 ELECTRICAL CODE INSPECTION **3 Units**

ARCH 200 DESIGN IN ARIZONA, RIVERSIDE AND PALM SPRINGS **1.5 Units**

ARCH 211 CONCRETE INSPECTION **3 Units**

ARCH 212 DRAINS, WASTE, VENTS, WATER AND GAS **3 Units**

ARCH 213 MECHANICAL CODE - HEATING, AC, REFRIGERATION, AND DUCTWORK **3 Units**

ARCH 221 ADVANCED REVIT AND BUILDING INFORMATION MANAGEMENT II **4 Units \***

ARCH 260 ARCHITECTURE IN NORTHERN CALIFORNIA **1.5 Units**

ARCH 261 ORANGE AND SAN DIEGO ARCHITECTURE **1.5 Units**

ARCH 262 LOS ANGELES ARCHITECTURE **1.5 Units**

DR 200 3D PARAMETRIC MODELING - SOLIDWORKS **3 Units \***

MFG 200 INTRODUCTION TO RAPID PROTOTYPING TECHNOLOGY **3 Units \***

MFG 201 ADVANCED CAD MODEL MAKING AND TOOLING **2 Units \***

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

**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 qualifies 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: ARCH 44, ARCH 136; ART 40, ART 41, ART 80

# Catalog 2017-2018

## Correction

Printed Catalog – Page 119

Online Catalog – Degrees, Certificates, and Awards

Items highlighted in Red were omitted from original publication

### Gerontology

#### Certificate of Achievement

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.

#### Program Student Learning Outcomes

Students who complete this program will be able to:

- Define and explain the key concepts associated with the study of aging and the study of Gerontology.
- Identify and explain the physical, social, familial, and community support networks for aging individuals.
- Explain the changes in the roles and activities of the elderly historically and in contemporary society.
- Compare and contrast the three main sociological theories as they apply to the study of Gerontology.
- Apply social theories to analyze current and historical topics associated with the study of aging and gerontology.
- Evaluate current social research on the study of aging and gerontology.
- Describe the role that culture plays in aging.
- Explain how various social locations such as class, race, gender, age, and sexuality are vital to the study of aging and gerontology and may result in social inequality.
- Identify specific social problems aging adults experience and explain their cause-effect patterns.
- Explain the demographics trends of aging.
- Identify the life cycle transitions.
- Explain the role that politics, voting, and activism have on the older population.
- Identify and evaluate community support services and agencies focused on the aging community. Explain and analyze the various social policies that affect the elderly.
- Explain end-of-life issues and decisions, the current death system, and the challenges of the death system.
- Explain and analyze issues of bereavement, grief, and mourning.
- Research and critically analyze specific topics on death and dying.

#### Core/Required Courses

SOC 180 INTRODUCTION TO GERONTOLOGY **3 Units**

SOC 126 DEATH AND DYING **3 Units**

PSYC 125 PSYCHOLOGY OF AGING **3 Units** \*

SOC 125 SOCIOLOGY OF AGING **3 Units**

Select from Restricted Electives: **9-10 units**

**Total Units for the Certificate: 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

#### Pathway 1 - Business

ACCT 120 INTRODUCTION TO FINANCIAL PLANNING **3 Units**

BUS 116 PERSONAL LAW, STREET LAW **3 Units**

BUS 135 MARKETING **3 Units**

HS 131 MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES **3 Units**

#### Pathway 2 - Environmental Design

ARCH 124A ARCHITECTURAL DRAWING I **4 Units**

ARCH 219 RESIDENTIAL AND COMMERCIAL SPACE PLANNING **4 Units** \*

ARCH 163 INTERNATIONAL BUILDING CODE INSPECTION **4 Units**

ID 214 BATH DESIGN **3 Units** \*

*or*

ID 215 KITCHEN DESIGN **3 Units** \*

HS 131 MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES **3 Units**

#### Pathway 3 - Food/Nutrition

FN 50 FUNDAMENTALS OF NUTRITION **3 Units**

FN 110 FOOD PREPARATION ESSENTIALS **3 Units** \*

FN 161 NUTRITION FOR HEALTH OCCUPATIONS **2 Units** \*

FN 169 LIFECYCLE NUTRITION **3 Units**

FN 210 SERVSAFE IN FOOD PRODUCTION **1 Unit**

FN 232 TECHNIQUES OF HEALTHY COOKING **2 Units** \*

HS 131 MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES **3 Units**

#### Pathway 4 - Health

HLTH 1 CONTEMPORARY HEALTH ISSUES **3 Units**

HLTH 2 FIRST AID, CPR, AND AUTOMATED EXTERNAL

DEFIBRILLATOR **1.5 Units**

**HSC 233 LEGAL AND ETHICAL ASPECTS OF HEALTH**

**INFORMATION 3 Units**

HSC 291 MANAGEMENT OF AGGRESSIVE BEHAVIOR IN HEALTHCARE SETTINGS **0.5 Unit**

HIT 203 ALTERNATIVE HEALTHCARE DELIVERY SYSTEMS **2 Units**

MA 206 INTRODUCTION TO MEDICAL ASSISTING **3 Units**

HS 131 MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES **3 Units**

#### Pathway 5 - Recreation/Fitness

HSC 151 INTRO TO THERAPY AND CAREER EXPLORATION OF REHABILITATION **3 Units**

*or*

KNEA 151 INTRO TO THERAPY AND CAREER EXPLORATION OF REHABILITATION **3 Units**

KNES 51 INTRODUCTION TO KINESIOLOGY **3 Units**

KNES 52 FUNDAMENTALS OF HUMAN MOVEMENT **3 Units**

HS 131 MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES **3 Units**

#### Pathway 6 - Human Services

HS 100 INTRODUCTION TO HUMAN SERVICES **3 Units** \*

HS 140 GROUP LEADERSHIP AND GROUP PROCESS **3 Units**

HS 174 CASE ADMINISTRATION, CRISIS INTERVENTION AND REFERRAL **3 Units**

HS 220 BENEFITS AND ENTITLEMENT **3 Units**

HS 285 ETHICAL ISSUES AND CLIENT'S RIGHTS **3 Units**

SOC 10 INTRODUCTION TO MARRIAGE AND THE FAMILY **3 Units**

HS 131 MULTICULTURAL AND DIVERSE POPULATIONS IN THE UNITED STATES **3 Units**

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

## Catalog 2017-18 COURSE Omission

### Marine Science

MS 4  
SOUTHERN CALIFORNIA COASTAL ECOLOGY  
**4 Units 3 hours lecture 3 hours lab**

**Transfers:** CSU, UC

A study of biological systems and processes associated with coastal environments in Southern California. Emphasizes subtidal, tidal, coastal and estuarine environments as well as human impacts on the ecosystem. Field trips may be required to fulfill the objectives of this course.

NR

MS 20  
INTRODUCTION TO OCEANOGRAPHY  
**4 Units 3 hours lecture 3 hours lab**

**Transfers:** CSU, UC

Study of the physical and chemical properties of oceans, with a brief study of the geological and biological operations of the oceanographer. The current thinking of the oceans as economic and natural resources will be stressed including the current techniques for measurement of the physical and chemical properties of the salt-water environment. The laboratory will focus on the basic instrumentation of the oceanographer, beginning with the simplest form.

NR

MS 205  
MSFS - ANCIENT MARINE WONDERS OF ANZA-BORREGO STATE PARK  
**1 Unit 0.5 hour lecture 1.5 hours lab**

Exploration of the ancient marine geological wonders of Anza-Borrego Desert State Park. Includes study of the tectonic history, the human history, and the natural processes of the area. Thematic emphasis may vary. Students enrolled in marine science and geology are encouraged to attend.

NR

MS 206  
MSFS - CALIFORNIA COAST FROM MALIBU TO SANTA BARBARA  
**1 Unit 0.5 hour lecture 1.5 hours lab**

Exploration of the natural history of the California coastline from Malibu to Santa Barbara. Includes study of the marine life, beach processes, and coastal mountains that shape this beautiful area. Thematic emphasis may vary. Students in marine science and geology are encouraged to enroll.

NR