

Summary of Curricula Offered

Majors	Applied Arts and Sciences		Liberal Arts and Sciences	Graduate Curricula		
	BA, BFA	BS	BA	MA, MFA	MS	AuD, PhD, EdD
Accountancy	-	-	-	-	MS	-
# Accounting	-	BS	-	-	-	-
Aerospace engineering	-	BS	-	-	MS	-
Afro-American studies	-	-	BA	-	-	-
Anthropology	-	-	BA	MA	-	-
Applied mathematics	-	-	-	-	MS	-
Art	BA	-	BA	MA, MFA	-	-
Asian studies	-	-	BA	MA	-	-
Astronomy	-	BS	BA	-	MS	-
Audiology	-	-	-	-	-	AuD
Bioengineering	-	-	-	-	MS	-
Biology	-	BS	BA	MA	MS	PhD
Biomedical quality systems	-	-	-	-	MS	-
Business administration	-	-	-	MBA	MS	-
Business administration and juris doctor	-	-	-	MBA/JD	-	-
Business administration/Latin American studies	-	-	-	MBA/MA	-	-
Chemical physics	-	BS	-	-	-	-
Chemistry	-	BS	BA	MA	MS	PhD
Chicana and Chicano studies	-	-	BA	-	-	-
Child development	-	BS	-	-	MS	-
City planning	-	-	-	-	MCP	-
Civil engineering	-	BS	-	-	MS	-
Classics	-	-	BA	-	-	-
Communication	BA	-	BA	MA	-	-
Communicative disorders	-	-	BA	MA	-	PhD
Comparative literature	-	-	BA	-	-	-
Computational science	-	-	-	-	MS	PhD
Computer engineering	-	BS	-	-	-	-
Computer science	-	BS	-	-	MS	-
Counseling	-	-	-	-	MS	-
Creative writing	-	-	-	MFA	-	-
Criminal justice administration	-	BS	-	-	-	-
Criminal justice and criminology	-	-	-	-	MS	-
Dance	BFA	-	BA	-	-	-
Ecology	-	-	-	-	-	PhD
Economics	-	-	BA	MA	-	-
Education	-	-	-	MA	-	PhD
Educational technology	-	-	-	-	-	EdD
Teaching and learning	-	-	-	-	-	EdD
Electrical engineering	-	BS	-	-	MS	-
Engineering	-	-	-	-	ME	PhD
English	-	-	BA	MA	-	-
Environmental engineering	-	BS	-	-	-	-
Environmental sciences	-	BS	-	-	-	-
European studies	-	-	BA	-	-	-
Exercise physiology	-	-	-	-	MS	-
Exercise physiology and nutritional science	-	-	-	-	MS/MS	-
# Finance	-	BS	-	-	-	-
# Financial services	-	BS	-	-	-	-
Foods and nutrition	-	BS	-	-	-	-
French	-	-	BA	MA	-	-
Geography	-	BS	BA	MA	MS	PhD
Geological sciences	-	BS	-	-	MS	-
German	-	-	BA	-	-	-
Gerontology	-	-	BA	-	MS	-
Health science	-	BS	-	-	-	-
History	-	-	BA	MA	-	-
Hospitality and tourism management	-	BS	-	-	-	-
Humanities	-	-	BA	-	-	-
# Information systems	-	BS	-	-	-	-
Interdisciplinary studies	-	-	BA	MA	MS	-
International business	-	-	BA	-	-	-
International security and conflict resolution	-	-	BA	-	-	-
Japanese	-	-	BA	-	-	-
Journalism	-	-	BA	-	-	-
Juris doctor and business administration	-	-	-	MBA/JD	-	-
Juris doctor and social work	-	-	-	-	MSW/JD	-
Kinesiology	-	BS	-	MA	-	-
Latin American studies	-	-	BA	MA	-	-
Latin American studies/business administration	-	-	-	MBA/MA	-	-
Liberal arts and sciences	-	-	-	MA	-	-
Liberal studies	BA	-	-	-	-	-
Linguistics	-	-	BA	MA	-	-
# Management	-	BS	-	-	-	-
# Marketing	-	BS	-	-	-	-
Mathematics	-	BS	BA	MA	-	-
Mathematics and science education	-	-	-	-	-	PhD
Mechanical engineering	-	BS	-	-	MS	-
Microbiology	-	BS	BA	-	MS	-
Modern Jewish studies	-	-	BA	-	-	-
Music	-	BM	BA	MA	MM	-
Nursing	-	BS	-	-	MS	-
Nutritional sciences	-	-	-	-	MS	-
Nutritional science and exercise physiology	-	-	-	-	MS/MS	-

An emphasis within the B.S. in Business Administration.

Summary of Curricula Offered – continued

Majors	Applied Arts and Sciences		Liberal Arts and Sciences	Graduate Curricula		
	BA, BFA	BS	BA	MA, MFA	MS	AuD, PhD, EdD
Philosophy	-	-	BA	MA	-	-
Physical science.....	-	BS	-	-	-	-
Physics	BA	BS	-	MA	MS	-
Political science.....	-	-	BA	MA	-	-
Psychology	-	-	BA	MA	MS	PhD
Public administration	BA	-	-	-	MPA	-
Public health	-	-	-	-	MPH, MS	PhD
Public health and social work	-	-	-	-	MSW/MPH	-
Radiological health physics.....	-	-	-	-	MS	-
# Real estate.....	-	BS	-	-	-	-
Recreation administration.....	-	BS	-	-	-	-
Regulatory affairs.....	-	-	-	-	MS	-
Rehabilitation counseling	-	-	-	-	MS	-
Religious studies	-	-	BA	-	-	-
Rhetoric and writing studies	-	-	-	MA	-	-
Russian	-	-	BA	-	-	-
Russian and Central European studies	-	-	BA	-	-	-
Social science	-	-	BA	-	-	-
Social work	-	-	BA	-	MSW	-
Social work and juris doctor	-	-	-	-	MSW/JD	-
Social work and public health	-	-	-	-	MSW/MPH	-
Sociology	-	-	BA	MA	-	-
Spanish.....	-	-	BA	MA	-	-
Statistics	-	BS	-	-	MS	-
Television, film and new media production	-	BS	-	MA	-	-
Theatre arts.....	BA	-	-	MA, MFA	-	-
Urban studies	-	-	BA	-	-	-
Vocational education	BVE	-	-	-	-	-
Women's studies.....	-	-	BA	MA	-	-

An emphasis within the B.S. in Business Administration.

Emphases and Concentrations

An emphasis or concentration is defined as an aggregate of courses within a degree major designed to give a student specialized knowledge, competence, or skill. Completion of an emphasis or concentration is noted on the student's transcript and diploma for undergraduate students.

BACCALAUREATE MAJORS

Art (BA, Liberal Arts and Sciences)

Emphases:
art history
studio arts

Art (BA, Applied Arts and Sciences)

Emphases:
applied design
graphic design
interior design
multimedia
painting and printmaking
sculpture

Biology (BS, Applied Arts and Sciences)

Emphases:
bioengineering
cellular and molecular biology
ecology
evolution and systematics
marine biology
zoology

Business Administration (BS, Applied Arts and Sciences)

Emphasis:
agribusiness (IVC)

Chemistry (BS, Applied Arts and Sciences)

Emphasis:
biochemistry

Classics (BA, Liberal Arts and Sciences)

Emphases:
classical humanities
classical language

Communication (BA, Liberal Arts and Sciences)

Emphases:
advertising
public relations
telecommunications and film

Economics (BA, Liberal Arts and Sciences)

Emphases:
international economics
preprofessional studies

European Studies (BA, Liberal Arts and Sciences)

Emphases in language:
French
German
Italian
Portuguese
Russian
Spanish

Geography (BA, Liberal Arts and Sciences)

Emphases:
methods of geographical analysis
natural resource and environmental
physical geography
urban and regional analysis

Geography (BS, Applied Arts and Sciences)

Emphasis:
geographic information science

Geological Sciences (BS, Applied Arts and Sciences)

Emphases:
general geology
engineering geology
geochemistry
geophysics
hydrogeology
marine geology
paleontology

German (BA, Liberal Arts and Sciences)

Emphasis:
German studies

Health Science (BS, Applied Arts and Sciences)

Emphasis:
community health education

Hospitality and Tourism Management (BS, Applied Arts and Sciences)

Emphases:
hotel operations and management
restaurant operations and management
global tourism management
attractions, events, and convention management

Humanities (BA, Liberal Arts and Sciences)

Emphasis:
European humanities

International Business (BA, Liberal Arts and Sciences)

Emphasis in language:
Chinese
English
French
German
Italian
Japanese
Portuguese
Russian
Spanish

Emphasis in regional/cultural studies:

Africa
Asia
Latin America
Middle East
North America
Russia and Central Europe
Western Europe

Kinesiology (BS, Applied Arts and Sciences)

Emphases:
athletic training
fitness, nutrition, and health
physical education
prephysical therapy

Mathematics (BS, Applied Arts and Sciences)

Emphases:
applied mathematics
computational science
mathematical finance
science

Microbiology (BS, Applied Arts and Sciences)

Emphasis:
medical technology and public health microbiology

Public Administration (BA, Applied Arts and Sciences)

Emphasis:
city planning

Recreation Administration (BS, Applied Arts and Sciences)

Emphases:
outdoor recreation
recreation systems management
recreation therapy

Social Science (BA, Liberal Arts and Sciences)

Emphases:
Africa and the Middle East
environment

Statistics (BS, Applied Arts and Sciences)

Emphases:
actuarial science
statistical computing

Theatre Arts (BA, Applied Arts and Sciences)

Emphases:
children's drama
design and technology for theatre
design for television and film
performance

GRADUATE MAJORS

Applied Mathematics (MS)

Concentrations:
dynamical systems
mathematical theory of communication systems

Art (MA)

Concentrations:
art history
studio arts

Biology (MA or MS)

Concentrations:
ecology
evolutionary biology
molecular biology
physiology

Curricula Summary

Business Administration (MS)

Concentrations:

entrepreneurship
finance
financial and tax planning
human resource management
information systems
international business management
marketing
operations management
real estate
taxation

Civil Engineering (MS)

Concentration:

environmental engineering

Communicative Disorders (MA)

Concentrations:

speech-language pathology
audiology
education of the deaf
communicative sciences

Education

Concentrations (MA):

counseling
educational leadership
educational research
educational technology
elementary curriculum and instruction
mathematics education
policy studies in language and cross-cultural education
reading education
secondary curriculum and instruction
special education

Geography

Concentrations (MA):

natural resources and environmental policy
transportation

Concentration (MS):

geographic information science

Nursing (MS)

Concentrations:

advanced practice nursing of adults and the elderly
community health nursing
nursing systems administration

Psychology (MS)

Concentrations:

applied psychology
clinical psychology (included within the Ph.D. program; not available separately)

Public Administration (MPA)

Concentrations:

city planning
criminal justice administration

Public Health

Concentrations (MPH):

biometry
environmental health
epidemiology
health behavioral science
health promotion
health services administration

Concentrations (MS):

industrial hygiene
toxicology

Statistics (MS)

Concentration:

biostatistics

Theatre Arts (MFA)

Concentrations:

acting
design and technical theatre
musical theatre

Credentials Offered

Teaching Credentials

Multiple subject
Multiple subject cross-cultural, language and academic development (CLAD) emphasis
Multiple subject bilingual cross-cultural language and academic development (BCLAD) emphasis: Spanish
Single subject
Single subject cross-cultural, language, and academic development (CLAD) emphasis
Single subject bilingual cross-cultural language and academic development (BCLAD) emphasis: Spanish

Specialist Credentials

BCLAD
Education specialist for the deaf and hard of hearing, levels I and II
Reading/language arts
Resource specialist certificate of competence
Special education:
Early childhood special education, levels I and II; internship credential
Mild/moderate disabilities, levels I and II; internship credential
Moderate/severe disabilities, levels I and II; internship credential
Physical and health impairments, level I

Service Credentials

Administrative
Child welfare and attendance
Clinical-rehabilitative
Pupil personnel:
School counseling
School psychology
School psychology (internship credential)
School social work
School nurse

Minors for the Bachelor's Degree

Accounting
Advertising
Aerospace studies
African studies
Afro-American studies
American Indian studies
Anthropology
Art
Art history
Asian studies
Astronomy
Biology
Business administration
Chemistry
Chicana and Chicano studies
Child development
Chinese
Classics
Communication
Comparative literature
Computer science
Dance
Economics
Educational technology
Energy studies
Engineering
English
Environment and society
European studies
Finance

French
Geography
Geological sciences
German
Gerontology
Health science
History
History of science and technology
Humanities
Information systems
Italian
Islamic and Arabic studies
Japanese
Journalism
Judaic studies
Latin American studies
Linguistics
Management
Marketing
Mathematics
Media arts and technology
Military science
Music
Naval science
Oceanography
Philosophy
Physics
Political science
Portuguese
Psychology
Public administration
Public relations
Real estate
Recreation
Religious studies
Russian
Small business management (Imperial Valley Campus only)
Social work
Sociology
Spanish
Statistics
Television, film and new media
Theatre Arts
United States-Mexican border studies
Women's studies

Special Curricula

Preprofessional Curricula

Pre dental
Pre legal
Pre medical
Pre veterinary

Military Curricula

Aerospace studies (AFROTC)
Military science (ROTC)
Naval science (NROTC)

Certificate Programs (nondegree)

Certificate in accounting
Certificate in applied gerontology
Certificate in applied linguistics and English as a second language (ESL)
Certificate in bilingual (Spanish) special education
Certificate in bilingual speech-language pathology
Certificate in biotechnology
Certificate in business administration (Imperial Valley campus only)
Certificate in children's literature
Certificate in communications systems
Certificate in community college teaching
Certificate in court interpreting (Imperial Valley campus only)
Certificates in cross-cultural language and academic development (CLAD or BCLAD)
Certificate in cultural and community trauma studies

Certificate in developing gifted potential
Certificate in distance education
Certificate in early childhood special education
Certificate in environmental studies
Certificate in family life education
Certificate in geographic information science
Certificate in instructional software design
Certificate in instructional technology
Certificate in introductory mathematics
Certificate in mathematics specialist
Certificate in Mexico (BCLAD)
Certificate in personal financial planning
Certificate in preventive medicine residency
Certificate in public administration (Imperial Valley campus only)
Certificate in regulatory affairs
Certificate in rehabilitation administration
Certificate in rehabilitation technology
Certificate in resource specialist competence
Certificate in single subject mathematics
Certificate in supported employment and transition specialist
Certificate in teaching the emotionally disturbed/behaviorally disordered
Certificate in transborder public administration and governance
Certificate in translation studies (Spanish)
Certificate in United States-Mexico border studies
Certificate in workforce education and lifelong learning

The following non-credit programs are available through Extension only.

Certificate in business and branding development
Certificate in business and executive coaching
Certificate in business of wine
Certificate in casino gaming
Certificate in community economic development
Certificate in construction inspection technology
Certificate in construction practices
Certificate in distance education
Certificate in e-business
Certificate in government contract management
Certificate in hospitality
Certificate in human resource management
Certificate in lean manufacturing
Certificate in marketing and media specialist
Certificate in medical office procedures
Certificate in meeting and events planning
Certificate in occupational health and safety management
Certificate in operations resource management
Certificate in personal fitness training
Certificate in project management
Certificate in solid modeling with solidworks
Certificate in technical and scientific writing
Certificate in telecommunications
Certificate in total quality management