

Summary of Curricula Offered

Majors	Applied Arts and Sciences		Liberal Arts and Sciences	Graduate Curricula		
	BA, BFA	BS	BA	MA, MFA	MS, EdS	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 leadership	-	-	-	-	-	EdD
Educational technology	-	-	-	-	-	EdD
School psychology	-	-	-	-	EdS	-
Teaching and learning	-	-	-	-	-	EdD
Electrical engineering	-	BS	-	-	MS	-
Engineering	-	-	-	-	MEng	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, EdS	AuD, PhD, EdD
Philosophy	-	-	BA	MA	-	-
Physical science.....	BA	-	-	-	-	-
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

Environmental Sciences (BS, Applied Arts and Sciences)

Emphasis:
watershed science

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)

Emphases:
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
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

Curricula Summary

Art (MA)

Concentrations:

art history
studio arts

Biology (MA or MS)

Concentrations:

ecology
evolutionary biology
molecular biology
physiology

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
education of the deaf
communicative sciences

Computational Science (MS)

Concentration:

professional applications

Counseling (MS)

Concentrations:

marriage and family therapy
school counseling
school psychology

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

Concentrations (MS):

geographic information science
watershed 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
health services administration (public health and social work)

Social Work and Public Health (MS)

Concentration:

health services administration

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

International security and conflict resolution

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)

Cert. in accounting

Cert. in applied gerontology

Cert. in applied linguistics and English

as a second language (ESL)

Cert. in artist diploma

Cert. in bilingual (Spanish) special

education

Cert. in bilingual speech-language

pathology

Cert. in biotechnology

Cert. in business administration

(Imperial Valley campus only)

Cert. in children's literature

Cert. in communications systems

Cert. in community college teaching

Cert. in court interpreting

(Imperial Valley campus only)

Certificates in cross-cultural language

and academic development (CLAD

or BCLAD)

Cert. in cultural and community trauma

studies

Cert. in developing gifted potential

Cert. in distance education

Cert. in early childhood special

education

Cert. in environmental studies

Cert. in family life education

Cert. in geographic information science

Cert. in instructional software design

Cert. in instructional technology

Cert. in mathematics specialist

Cert. in Mexico (BCLAD)

Cert. in personal financial planning

Cert. in preventive medicine residency

Cert. in public administration

(Imperial Valley campus only)

Cert. in regulatory affairs

Cert. in rehabilitation administration

Cert. in rehabilitation technology

Cert. in single subject mathematics

Cert. in supported employment and

transition specialist

Cert. in transborder public

administration and governance

Cert. in translation studies (Spanish)

Cert. in United States-Mexico border

studies

Cert. in workforce education and

lifelong learning

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

Cert. in business and branding

development

Cert. in business and executive

coaching

Cert. in business of wine

Cert. in casino gaming

Cert. in community economic

development

Cert. in construction inspection

technology

Cert. in construction practices

Cert. in distance education

Cert. in e-business

Cert. in government contract

management

Cert. in hospitality

Cert. in human resource management

Cert. in lean manufacturing

Cert. in maritime careers

Cert. in marketing and media specialist

Cert. in medical office procedures

Cert. in meeting and events planning

Cert. in occupational health and safety

management

Cert. in operations resource

management

Cert. in personal fitness training

Cert. in project management

Cert. in solid modeling with solidworks

Cert. in technical and scientific writing

Cert. in telecommunications

Cert. in total quality management