

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	MA	-	-
Child development	-	BS	-	-	MS	-
City planning	-	-	-	-	MCP	-
Civil engineering	-	BS	-	-	MS	-
Classics	-	-	BA	-	-	-
Communication	BA	-	BA	MA	-	-
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	-	-
Language and communicative disorders	-	-	-	-	-	PhD
Latin American studies	-	-	BA	MA	-	-
Latin American studies/business administration	-	-	-	MBA/MA	-	-
Latin American studies and public health	-	-	-	MA/MPH	-	-
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	-

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
Nutritional sciences	-	-	-	-	MS	-
Nutritional science and exercise physiology	-	-	-	-	MS/MS	-
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 Latin American studies	-	-	-	-	MPH/MA	-
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	-	-
Speech, language, and hearing sciences	-	-	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)**Emphasis:**

- public health

Hospitality and Tourism**Management** (BS, Applied Arts and Sciences)**Emphases:**

- hotel operations and management
- restaurant operations and management
- global tourism management
- events, conventions, and attractions management

Humanities (BA, Liberal Arts and Sciences)**Emphasis:**

- European humanities

International Business (BA, Liberal Arts and Sciences)**Emphasis in language:**

- Arabic
- Chinese
- French
- German
- Italian
- Japanese
- Portuguese
- Russian
- Spanish

Emphasis in regional/cultural studies:

- Africa-Middle East
- Asia-Pacific
- Latin America
- 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:**

- clinical laboratory science 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 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

Curricula Summary

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

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

Computational Science (MS)

Concentration:

professional applications

Counseling (MS)

Concentrations:

marriage and family therapy
school counseling

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 (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

Speech, Language, and Hearing Sciences (MA)

Concentrations:

speech-language pathology
education of the deaf
communicative sciences

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
Rhetoric and writing 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
Preveterinary

Military Curricula

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

Certificate Programs (nondegree)

Accounting
Applied gerontology
Applied linguistics and English as a
second language (ESL)
Artist diploma
Bilingual speech-language pathology
Biotechnology
Business administration (Imperial Valley
campus only)
Children's/adolescent literature
Communications systems
Community college teaching
Court interpreting (Imperial Valley
campus only)
Cross-cultural language and academic
development (CLAD or BCLAD)
Cultural and community trauma studies
Developing gifted potential
Distance education
Early childhood special education
Environmental studies
Family life education
Fire protection administration
Geographic information science
Instructional software design
Instructional technology
Mathematics specialist
Mexico (BCLAD)
Personal financial planning
Preventive medicine residency
Professional computational science
Public administration
(Imperial Valley campus only)
Regulatory affairs
Rehabilitation administration
Rehabilitation technology
Single subject mathematics
Supported employment and transition
specialist
Transborder public administration and
governance
Translation studies (Spanish)
United States-Mexico border studies
Workforce education and lifelong
learning

**The following non-credit programs
are available through Extension only.**
Business and branding development
Business and executive coaching
Business of wine
Casino gaming
Community economic development
Construction inspection technology
Construction practices
Distance education
E-business
Government contract management
Hospitality
Human resource management
Human resources international
Lean manufacturing
Maritime industry
Marketing and media specialist
Medical office procedures
Meeting and events planning
Occupational health and safety
management
Operations resource management
Personal fitness training
Project management
Sales excellence
Solid modeling with solidworks
Technical and scientific writing
Telecommunications
Total quality management