

# 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	-
Construction engineering .....	-	BS	-	-	-	-
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	-	-
Homeland security.....	-	-	-	-	MS	-
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.

**Curricula Summary**

**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

**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

**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 education  
 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 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  
 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  
 Pre veterinary

**Military Curricula**

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

**Certificate Programs (nondegree)**

Academic literacy development for English language learners  
 Accounting  
 Applied gerontology  
 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)  
 Nursing education  
 Personal financial planning  
 PreK-12 educational leadership  
 Preventive medicine residency  
 Professional computational science  
 Psychiatric rehabilitation  
 Public administration (Imperial Valley campus only)  
 Regulatory affairs  
 Rehabilitation administration  
 Rehabilitation technology  
 Single subject mathematics  
 Supported employment and transition specialist  
 Teacher induction: fifth year  
 Teaching English as a second or foreign language (TESL/TEFL)  
 Teaching of writing  
 Technical and scientific writing  
 Transborder public administration and governance  
 Translation and interpretation 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  
 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  
 Telecommunications  
 Total quality management