

# Summary of Curricula Offered

| Majors   | Applied Arts and Sciences |    | Liberal Arts and Sciences | Graduate Curricula |              |               |
|--|---------------------------|----|---------------------------|--------------------|--------------|---------------|
|  | BA, BFA                   | BS | BA                        | MA, MFA            | MS, EdS, MAT | AuD, PhD, EdD |
| Accountancy .....                                    | -                         | -  | -                         | -                  | MS           | -             |
| # Accounting .....                                   | -                         | BS | -                         | -                  | -            | -             |
| Aerospace engineering .....                          | -                         | BS | -                         | -                  | MS           | -             |
| Afro-American studies .....                          | -                         | -  | BA                        | -                  | -            | -             |
| American Indian 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           | -             |
| Bioinformatics and medical informatics .....         | -                         | -  | -                         | -                  | MS           | -             |
| Biology .....  | -                         | BS | BA                        | MA                 | MS           | PhD           |
| Biomedical quality systems .....                     | -                         | -  | -                         | -                  | MS           | -             |
| Business administration .....                        | -                         | BS | -                         | 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 .....                               | -                         | BS | -                         | -                  | -            | -             |
| Criminal justice and criminology .....               | -                         | -  | -                         | -                  | MS           | -             |
| Dance .....  | BFA                       | -  | BA                        | -                  | -            | -             |
| Ecology .....  | -                         | -  | -                         | -                  | -            | PhD           |
| Economics .....                                      | -                         | -  | BA                        | MA                 | -            | -             |
| Education .....                                      | -                         | -  | -                         | MA                 | MAT          | 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.

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

**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:*  
public health

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

*Emphases:*  
global tourism management  
hotel operations and management  
meetings and events operations and management  
restaurant operations and management  
tribal gaming operations and 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 resource management  
recreation systems management  
sustainable tourism management

**Social Science** (BA, Liberal Arts and Sciences)

*Emphases:*  
environmental studies  
Islamic and Arabic studies

**Statistics** (BS, Applied Arts and Sciences)

*Emphases:*  
actuarial science  
statistical computing

**Television, Film and New Media** (BS, Applied Arts and Sciences)

*Emphases:*  
critical studies  
production

**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  
marketing  
operations management  
real estate  
supply chain management  
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 leadership in health care  
systems

**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

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

**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  
Counseling and social change  
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  
**Leadership development**  
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)**

Academic literacy development for  
English language learners  
Accounting  
Applied gerontology  
Artist diploma  
Behavior analysis

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 (BCLAD)  
Cultural and community trauma studies  
Developing gifted potential  
Distance education  
Dual language biliteracy  
Early childhood special education  
Environmental studies  
Family life education  
Geographic information science  
Instructional design  
Instructional technology  
Mathematics specialist  
Mexico (BCLAD)  
Nursing education  
Performance  
Personal financial planning  
PreK-12 educational leadership  
Preventive medicine residency  
Primary grade writing instruction  
Professional computational science  
Professional writing  
Psychiatric rehabilitation  
Public administration  
(Imperial Valley campus only)  
Regulatory affairs  
Rehabilitation administration  
Rehabilitation technology  
Single subject mathematics  
Supported employment and transition  
specialist  
Teaching English as a second or foreign  
language (TESL/TEFL)  
Teaching of 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.**

Advanced government contract  
management  
Business of wine  
Casino gaming  
Coaching for organizational excellence  
Construction estimating online  
Construction inspection technology  
Construction practices  
Construction supervisory online  
Financial management  
Government contract management  
Green building construction  
Health care  
Healthy aging  
Hospitality  
Human resource management  
Leading strategically  
Lean manufacturing  
Lean Six Sigma  
Management in action  
Marketing and media specialist  
Medical office procedures  
Meeting and events planning  
Nutrition for optimal health  
Occupational health and safety  
management  
Personal fitness training  
Project management  
Teen summer academy  
Women's wellness