

## PROGRAMS OF STUDY LEADING TO AN ASSOCIATE IN ARTS DEGREE

Emphasis in Business .....	2	Emphasis in Language Arts .....	10
Emphasis in Communication .....	3	Emphasis in Mathematics .....	13
Emphasis in Fine Arts .....	4	Emphasis in Music .....	14
Emphasis in Humanities .....	5	Emphasis in Natural Sciences .....	15
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# Associate in Arts degree in Liberal Arts and Sciences

EMPHASIS IN BUSINESS

DEGREE A8981

An emphasis in Business provides the student with an understanding of business and its role in society. Students will have knowledge of various business functions and economic analysis. Upon completion of this degree students will be prepared for an entry level job in the business world.

## Core/Required Courses

BUSC 1A	Principles of Economics - Macroeconomics, <i>or</i>	3.0
BUSC 1AH	Principles of Economics - Macroeconomics - Honors	3.0
BUSC 1B	Principles of Economics - Microeconomics, <i>or</i>	3.0
BUSC 1BH	Principles of Economics - Microeconomics - Honors	3.0
CISB 15	Microcomputer Applications, <i>or</i>	4.0
CISB 11	Computer Information Systems	3.5

***Plus select a minimum of three courses from the following which should be selected in consultation with a counselor or educational advisor.***

BUSO 25	Business Communications	3.0
BUSM 20	Principles of Business	3.0
BUSA 7	Principles of Accounting - Financial	5.0
BUSA 8	Principles of Accounting - Managerial	5.0
BUSL 18	Business Law	3.0
BUSC 17	Applied Business Statistics	3.0

## ***Elective Course:***

SPCH 7	Intercultural Communication	3.0
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**TOTAL UNITS 18.5 - 23.0  
FOR AREA OF EMPHASIS**

# Associate in Arts degree in Liberal Arts and Sciences

EMPHASIS IN COMMUNICATION

DEGREE A8982

An emphasis in Communication provides the student with an understanding of communication strategies, reasoning, logic, and critical analysis as it relates to human interaction within multiple cultural contexts.

## Core/Required Courses (12 units)

SPCH 1A	Public Speaking, <i>or</i>	4.0
SPCH 1AH	Public Speaking - Honors, <i>or</i>	4.0
SPCH 2	Fundamentals of Communication	4.0
SPCH 26	Interpersonal Communication, <i>or</i>	3.0
SPCH 26H	Interpersonal Communication - Honors	3.0

## PLUS

### Select 11 units from the following:

SPCH 2	Fundamentals of Communication ( <i>if not used in core</i> )	4.0
SPCH 1A	Public Speaking ( <i>if not used in core</i> ), <i>or</i>	4.0
SPCH 1AH	Public Speaking - Honors ( <i>if not used in core</i> )	4.0
SPCH 1B	Intermediate Public Speaking	3.0
SPCH 3	Voice and Diction	3.0
SPCH 4	Performance of Literature	3.0
SPCH 6	Group Communication	3.0
SPCH 7	Intercultural Communication, <i>or</i>	4.0
SPCH 7H	Intercultural Communication - Honors	4.0
SPCH 8	Professional and Organizational Communication, <i>or</i>	3.0
SPCH 8H	Professional and Organizational Communication - Honors	3.0
SPCH 15	Forensics Team	2.0
SPCH 16	Forensics - Individual Events	2.0
SPCH 17	Forensics - Debate	2.0
SPCH 18	Forensics - Readers Theater	2.0
SPCH 20	Argumentation and Debate, <i>or</i>	2.0
SPCH 20H	Argumentation and Debate - Honors	2.0
SPCH 30	Gateway to Communication Studies	2.0
SPCH 99	Special Projects in Speech	2.0
JOUR 100	Mass Media and Society	2.0
JOUR 101	Beginning News Writing	2.0
JOUR 102	Intermediate News Writing	2.0
JOUR 111	Broadcast News Writing	2.0
PHOT 10	Basic Digital and Film Photography	2.0
R-TV 01	Introduction to Broadcasting	2.0
R-TV 05	Radio/TV News Writing	2.0
R-TV 11A	Beginning Radio Production	2.0
R-TV 19A	Beginning Television Production	2.0

**TOTAL UNITS 18.0**  
**FOR AREA OF EMPHASIS**

# Associate in Arts degree in Liberal Arts and Sciences

## EMPHASIS IN FINE ARTS

DEGREE A8983

An emphasis in Fine Arts provides the student with an understanding of the practices and theories of traditional and contemporary two and three-dimensional studio arts and an introduction to the history of western art. In addition to the foundation courses, students select 6 units from the list of approved electives.

### Core/Required Courses (24 units)

ARTD 15A	Drawing: Beginning	3.0
ARTD 17A	Drawing: Life	3.0
ARTD 20	Design: Two Dimensional	3.0
ARTD 21	Design: Color and Composition	3.0
ARTS 22	Design: Three-Dimensional	3.0
ARTD 25A	Beginning Painting I	3.0
AHIS 4	History of Western Art: Prehistoric Through Gothic, <i>or</i>	3.0
AHIS 4H	History of Western Art: Prehistoric Through Gothic - Honors	3.0
AHIS 5	History of Western Art: Renaissance Through Modern, <i>or</i>	3.0
AHIS 5H	History of Western Art: Renaissance Through Modern - Honors	3.0

### Select two studio electives

### Select six (6) units from the following:

ANIM 101A	Drawing - Gesture and Figure	3.0
ARTB 14	Basic Studio Arts	3.0
ARTC 100	Graphic Design	3.0
ARTC 165	Illustration	3.0
ARTD 15B	Drawing: Intermediate	3.0
ARTD 16	Drawing: Perspective	3.0
ARTD 17B	Drawing: Life	3.0
ARTD 27	Painting: Watercolor	3.0
ARTD 43A	Introduction to Printmaking	3.0
ARTD 44A	Printmaking: Introduction to Lithography	3.0
ARTD 45A	Printmaking: Introduction to Screen Printing	3.0
ARTG 20	Art, Artists and Society	3.0
ARTG 21A	Introduction to Exhibition Production	3.0
ARTS 30A	Ceramics: Beginning I	3.0
ARTS 33	Ceramics: Hand Construction	3.0
ARTS 40A	Sculpture: Beginning	3.0
ARTS 41A	Sculpture: Life	3.0
PHOT 10	Basic Digital and Film Photography	3.0

**TOTAL UNITS 30.0**  
**FOR AREA OF EMPHASIS**

# Associate in Arts degree in Liberal Arts and Sciences

EMPHASIS IN HUMANITIES

DEGREE A8984

An emphasis in Humanities provides the student with an understanding of the interrelationship between art, religion, history, music, literature and the dramatic arts, and philosophical and political thought. This emphasis also strengthens the understanding of other cultures through the study of a foreign language.

**Select a total of 18 units choosing courses from at least 5 of the following 7 categories:**

***Music:***

MUS 11A	Music Literature Survey	3.0
MUS 11B	Music Literature Survey	3.0
MUS 12	History of Jazz	3.0
MUS 13	Introduction to Music Appreciation	3.0
MUS 14A	World Music	3.0
MUS 14B	American Folk Music	3.0
MUS 15	Rock Music History and Appreciation	3.0

***Art History:***

AHIS 3	History of Women and Gender in Art, <i>or</i>	3.0
AHIS 3H	History of Women and Gender in Art - Honors	3.0
AHIS 4	History of Western Art: Prehistoric Through Gothic, <i>or</i>	3.0
AHIS 4H	History of Western Art: Prehistoric Through Gothic - Honors	3.0
AHIS 5	History of Western Art: Renaissance Through Modern, <i>or</i>	3.0
AHIS 5H	History of Western Art: Renaissance Through Modern - Honors	3.0
AHIS 6	History of Modern Art, <i>or</i>	3.0
AHIS 6H	History of Modern Art - Honors	3.0
AHIS 9	History of Asian Art	3.0
AHIS 10	A History of Greek and Roman Art and Architecture	3.0
AHIS 11	History of African, Oceanic and Native American Art	3.0
AHIS 12	History of Precolumbian Art, <i>or</i>	3.0
AHIS 12H	History of Precolumbian Art - Honors	3.0
ARCH 31	World Architecture I, <i>or</i>	3.0
ARCH 32	World Architecture II: Philosophy and Political Science	3.0
PHIL 12	Ethics, <i>or</i>	3.0
PHIL 12H	Ethics - Honors	3.0
PHIL 20A	History of Western Philosophy	3.0
PHIL 20B	History of Western Philosophy	3.0
POLI 5	Political Science Theory	3.0
POLI 9	Introduction to International Relations	3.0

***English and Dramatic Arts Literatures:***

FRCH 60	French Culture Through Cinema	3.0
ITAL 60	Italian Culture Through Cinema	3.0
LIT 10	Survey of Shakespeare	3.0
LIT 11A	World Literature	3.0
LIT 11B	World Literature	3.0
LIT 15	Introduction to Cinema	3.0
SPCH 4	Oral Interpretation of Literature	3.0
THTR 10	History of Theater Arts	3.0

**Religion and Literatures:**

PHIL 15	Major World Religions, <i>or</i>	3.0
PHIL 15H	Major World Religions - Honors	3.0
LIT 36	Introduction to Mythology	3.0
LIT 46	The Bible as Literature: Old Testament	3.0
LIT 47	The Bible as Literature: New Testament	3.0

**History:**

HIST 3	History of World Civilization, <i>or</i>	3.0
HIST 3H	History of World Civilization - Honors	3.0
HIST 4	History of World Civilization, <i>or</i>	3.0
HIST 4H	History of World Civilization - Honors	3.0
HIST 10	History of Asia	3.0
HIST 11	History of Asia	3.0
HIST 16	The Wild West - A History, 1800-1890	3.0
HIST 19	History of Mexico	3.0
HIST 35	History of Africa	3.0
HIST 44	History of Native Americans	3.0

**Foreign Languages:**

ARAB 2	Continuing Elementary Arabic	4.0
CHIN 2	Continuing Elementary Chinese	4.0
CHIN 3	Intermediate Chinese	4.0
FRCH 2	Continuing Elementary French	4.0
FRCH 3	Intermediate French	4.0
GERM 2	Continuing Elementary German	4.0
GERM 3	Intermediate German	4.0
ITAL 2	Continuing Elementary Italian	4.0
ITAL 3	Intermediate Italian	4.0
JAPN 2	Continuing Elementary Japanese	4.0
JAPN 3	Intermediate Japanese	4.0
SPAN 11	Spanish for the Spanish Speaking	4.0
SPAN 12	Continuing Spanish for the Spanish Speaking	4.0
SPAN 2	Continuing Elementary Spanish	4.0
SPAN 3	Intermediate Spanish	4.0
SIGN 101	American Sign Language 1	4.0
SIGN 102	American Sign Language 2	4.0

**TOTAL UNITS 21.0 - 25.0  
FOR AREA OF EMPHASIS**

# Associate in Arts degree in Liberal Arts and Sciences

## EMPHASIS IN INFORMATION TECHNOLOGY

DEGREE A8985

An emphasis in Information Technology provides the student with an understanding of software development, database technologies, operating systems, networks, and network security.

### **Information Technology Basics**

*(3.5 - 4 units from the following):*

CISB 11	Computer Information Systems	3.5
CISB 15	Microcomputer Applications	4.0

### **Software Development**

*(4 units selected from the following):*

CISP 11	Programming in Visual Basic	4.0
CISP 21	Programming in Java	4.0
CISP 31	Programming in C++	4.0
CISP 41	Programming in C#	4.0
CISW 21	Secure Client Side Web Programming	4.0
CISW 24	Secure Server Side Web Programming	4.0

### **Database Technology**

*(4 units selected from the following):*

CISD 11	Database Management - Microcomputers	4.0
CISD 21	SQL Server	4.0
CISD 31	Database Management	4.0

### **Operating Systems and Networking**

*(4 units selected from the following):*

CISN 11	Telecommunications Networking	4.0
CISN 21	Windows Operating System	4.0
CISN 31	Linux Operating System	4.0

### **Security (4 units selected from the following):**

CISS 13	Principles of Information Systems Security	4.0
CISS 15	Operating Systems Security	4.0
CISS 21	Network Vulnerabilities and Countermeasures	4.0

**TOTAL UNITS 19.5 – 20.0  
FOR AREA OF EMPHASIS**

### **Recommended Electives:**

BUSA 7	Principles of Accounting - Financial
BUSM 20	Principles of Business
BUSM 60	Human Relations in Business
BUSO 25	Business Communications
BUSS 36	Principles of Marketing
CISB 31	Microsoft Word
CISB 51	Microsoft PowerPoint
CISM 11	Systems Analysis and Design
R-TV 17	Internet Radio and Podcasting
SPCH 26	Interpersonal Communication, <i>or</i>
SPCH 26H	Interpersonal Communication - Honors

# Associate in Arts degree in Liberal Arts and Sciences

## EMPHASIS IN KINESIOLOGY AND WELLNESS

DEGREE A8986

An emphasis in Kinesiology and Wellness provides the student with an understanding of physical education, health promotion, and the mechanics of human bodily movement. In addition to the foundational physical education and movement courses, students select courses from a scientific and nutrition and a behavioral development and diversity cluster.

### ***Physical Education, Movement, and Health Promotion***

***(A minimum of 6 units selected from the following):***

PE 3	First Aid and CPR, <i>or</i>	3.0
PE 5	Advanced First Aid/CPR/Emergency Response	3.0
PE 13	Sports Officiating	3.0
PE 17	Introduction to Physical Education	3.0
PE 19	Introduction to Care/Prevention of Activity/Sports-Related Injuries	3.0
PE 34	Fitness for Living	3.0
PE 39	Techniques of Fitness Testing	2.0
PE 44	Theory of Coaching	3.0
DN-T 18	Introduction to Dance	3.0
DN-T 20	History and Appreciation of Dance	3.0

### ***Scientific and Nutrition Background***

***(A minimum of 3 units selected from the following):***

ANAT 10A	Introductory Human Anatomy, <i>or</i>	4.0
ANAT 35	Human Anatomy	5.0
ANAT 10B	Introductory Human Physiology, <i>or</i>	4.0
ANAT 36	Human Physiology	5.0
CHEM 10	Chemistry for Allied Health Majors, <i>or</i>	4.0
CHEM 40	Introduction to General Chemistry	4.0
MICR 1	Principles of Microbiology, <i>or</i>	5.0
MICR 22	Microbiology	4.0
PHYS 1	Physics, <i>or</i>	4.0
PHYS 2AG	General Physics	4.0
PSYC 1B	Biological Psychology	3.0
BIOL 1	General Biology	4.0
BIOL 5	Contemporary Health Issues, <i>or</i>	3.0
BIOL 13	Human Reproduction, Development and Aging	3.0
NF 10	Nutrition for Personal Health and Wellness, <i>or</i>	3.0
NF 25	Essentials of Nutrition	3.0

### ***Behavioral Development and Diversity***

***(A minimum of 3 units selected from the following):***

PSYC 1A	Introduction to Psychology	3.0
PSYC 26	Psychology of Sexuality	3.0
PSYC 3	Introduction to Research Methods in Psychology	4.0
PSYC 17	Introduction to Human Services	3.0
PSYC 33	Psychology for Effective Living	3.0
SOC 1	Sociology, <i>or</i>	3.0
SOC 1H	Sociology - Honors	3.0
SOC 2	Sociology, <i>or</i>	3.0



SOC 2H	Sociology - Honors	3.0
SOC 20	Sociology of Ethnic Relations, <i>or</i>	3.0
SOC 20H	Sociology of Ethnic Relations - Honors	3.0
COUN 2	College Success Strategies	3.0
COUN 5	Career/Life Planning	3.0

***Activity Courses***

***(A minimum of two units selected from the following):***

Students who are getting an AA degree with an emphasis in Kinesiology and Wellness are required to take a minimum of two activity courses in at least two areas of physical education or dance: PE-A (Aquatics); PE-F (Fitness); PE-I (Individual Sports); PE-S (Team Sports); PE-L (Adaptive); PE-S (Team Sports); DNCE (Dance).

**TOTAL UNITS            18.0**  
**FOR AREA OF EMPHASIS**

# Associate in Arts degree in Liberal Arts and Sciences

## EMPHASIS IN LANGUAGE ARTS

DEGREE A8987

An emphasis in Language Arts provides the student with an understanding of the acquisition of language with a focus on reading, writing, listening, and speaking within a diverse environment. In addition to the foundational language acquisition courses, students select personal options that will strengthen their individual interests and goals within Language Arts.

### ***Language Acquisition***

***(minimum 9 units selected from the following):***

CHLD 51	Early Literacy in Child Development	3.0
ENGL 1C	Critical Thinking and Writing, <i>or</i>	4.0
PHIL 9	Critical Thinking and Logical Writing	3.0
ENGL 81	Language Acquisition	3.0
READ 100	Analysis and Critical Reading	3.0
SIGN 210	American Sign Language Structure	3.0
STDY 100	Student Achievement and Fundamentals of Learning	3.0

### ***Language Arts and Diversity***

***(minimum 6 units selected from the following):***

SPAN 1	Elementary Spanish	4.0
SPAN 2	Continuing Elementary Spanish	4.0
SPAN 3	Intermediate Spanish	4.0
SPAN 4	Continuing Intermediate Spanish	4.0
SPAN 5	Advanced Spanish	4.0
SPAN 6	Continuing Advanced Spanish	4.0
SPAN 11	Spanish for the Spanish Speaking	4.0
SPAN 12	Continuing Spanish for the Spanish Speaking	4.0
SPAN 25	Spanish Literature	3.0
SPAN 53	Conversational Spanish	3.0
SPAN 54	Conversational Spanish	3.0
FRCH 1	Elementary French	4.0
FRCH 2	Continuing Elementary French	4.0
FRCH 3	Intermediate French	4.0
FRCH 4	Continuing Intermediate French	4.0
FRCH 5	Advanced French	4.0
FRCH 6	Continuing Advanced French	4.0
FRCH 52	Conversational French	3.0
FRCH 53	Continuing Conversational French	3.0
FRCH 54	Advanced Conversational French	3.0
ITAL 1	Elementary Italian	4.0
ITAL 2	Continuing Elementary Italian	4.0
ITAL 3	Intermediate Italian	4.0
ITAL 4	Continuing Intermediate Italian	4.0
ITAL 5	Advanced Italian	4.0
ITAL 6	Continuing Advanced Italian	4.0
ITAL 52	Conversational Italian	3.0
ITAL 53	Continuing Conversational Italian	3.0
ITAL 54	Advanced Conversational Italian	3.0
GERM 1	Elementary German	4.0

GERM 2	Continuing Elementary German	4.0	
GERM 3	Intermediate German	4.0	
CHIN 1	Elementary Chinese	4.0	
CHIN 2	Continuing Elementary Chinese	4.0	
CHIN 3	Intermediate Chinese	4.0	
CHIN 4	Continuing Intermediate Chinese	4.0	
JAPN 1	Elementary Japanese	4.0	
JAPN 2	Continuing Elementary Japanese	4.0	
JAPN 3	Intermediate Japanese	4.0	
JAPN 4	Continuing Intermediate Japanese	4.0	
JAPN 5	Advanced Japanese	4.0	
LATN 1	Elementary Latin	4.0	
LATN 2	Continuing Elementary Latin	4.0	
ARAB 1	Elementary Arabic	4.0	
ARAB 2	Continuing Elementary Arabic	4.0	
SIGN 101	American Sign Language 1	4.0	
SIGN 102	American Sign Language 2	4.0	
SIGN 103	American Sign Language 3	4.0	
SIGN 104	American Sign Language 4	4.0	
SIGN 105	American Sign Language 5	4.0	
LIT 3	Multicultural American Literature	3.0	
LIT 11A	World Literature, <i>or</i>	3.0	
LIT 11B	World Literature	3.0	
LIT 20	African American Literature	3.0	
LIT 25	Contemporary Mexican American Literature	3.0	
LIT 33	Images of Women in Literature	3.0	
CHLD 50	Multicultural Education: Anti-Bias Perspective	3.0	
JOUR 100	Mass Media and Society	3.0	
JOUR 107	Race, Culture, Sex and Mass Media Images	3.0	3.0
R-TV 01	Introduction to Broadcasting	3.0	
R-TV 02A	On-Air Personality Development – Spanish Market	3.0	

***Personal Options***

***(minimum 3 units selected from the following):***

BUSO 25	Business Communications	3.0	
CHLD 61	Language Arts and Art Media For Young Children	3.0	
ENGL 1B	English - Introduction to Literary Types, <i>or</i>	3.0	
ENGL 1BH	English - Introduction to Literary Types - Honors	3.0	
ENGL 8A	Creative Writing - Fiction	3.0	
ENGL 8B	Creative Writing - Poetry	3.0	
ENGL 8C	Creative Writing – Novel	3.0	
ENGL 8D	Creative Writing – Poetry Collection	3.0	
ENGL 8E	Creative Writing – Memoir	3.0	
ENGL 8F	Creative Writing – Nonfiction	3.0	
ENGL 9	Writing the Personal Journal	3.0	
JOUR 101	Beginning News Writing, <i>or</i>	3.0	
JOUR 102	Intermediate News Writing	3.0	
JOUR 108	Writing for Public Relations	3.0	
LIT 1	Early American Literature, <i>or</i>	3.0	

LIT 2	Modern American Literature	3.0
LIT 6A	Survey of English Literature, <i>or</i>	3.0
LIT 6B	Survey of English Literature	3.0
LIT 40	Children's Literature	3.0
R-TV 05	Radio-TV Newswriting	3.0
SPCH 4	Oral Interpretation of Literature	3.0

**TOTAL UNITS            18.0**  
**FOR AREA OF EMPHASIS**

# Associate in Arts degree in Liberal Arts and Sciences

## EMPHASIS IN MATHEMATICS

DEGREE A8989

An emphasis in Mathematics provides the student with an understanding of college level mathematics. In addition to the foundational calculus courses, students may select from computer science programming options.

### **Core/Required Courses**

*(minimum 18 units selected from the following with at most two CSCI courses):*

MATH 130	College Algebra	4.0
MATH 140	Calculus for Business	4.0
MATH 150	Trigonometry	3.0
MATH 160	Precalculus Mathematics	4.0
MATH 180	Calculus and Analytic Geometry	4.0
MATH 181	Calculus and Analytic Geometry	5.0
MATH 245	A Transition to Advanced Mathematics	3.0
MATH 280	Calculus and Analytic Geometry	4.0
MATH 285	Linear Algebra and Differential Equations	5.0
CSCI 110	Fundamentals of Computer Science	3.5
CSCI 140	C++ Language and Object Development	4.0
CSCI 145	Java Language and Object Oriented Programming	4.0

**TOTAL UNITS      18 UNITS  
FOR AREA OF EMPHASIS**

### **Recommended Electives:**

MATH 100	Survey of College Mathematics	3.0
MATH 110	Elementary Statistics, <i>or</i>	3.0
MATH 110H	Elementary Statistics - Honors	3.0
MATH 115	Statway II	5.0
MATH 120	Finite Mathematics	3.0
CHEM 50	General Chemistry I, <i>or</i>	5.0
CHEM 50H	General Chemistry I - Honors	5.0
CHEM 51	General Chemistry II	5.0
PHYS 4A	Engineering Physics	5.0
PHYS 4B	Engineering Physics	5.0
PHYS 4C	Engineering Physics	5.0

# Associate in Arts degree in Liberal Arts and Sciences

EMPHASIS IN MUSIC

DEGREE A8990

An emphasis in Music provides the student with an understanding of music theory, harmony, and the history of western music. In addition to the foundational Music courses, students select courses in piano and a performance ensemble.

## Core/Required Courses (15 units)

MUS 2	Music Theory	3.0
MUS 3A	Harmony	3.0
MUS 5A	Musicianship - Ear Training and Sight Singing	1.0
MUS 5B	Musicianship - Ear Training and Sight Singing	1.0
MUS 11A	Music Literature Survey	3.0
MUS 16	Individual Instruction	3.0
MUS 22	Conducting	1.0

## *Piano (2 units selected from the following):*

MUS 17A	Elementary Class Piano	1.0
MUS 17B	Intermediate Class Piano	1.0
MUS 18	Advanced Class Piano	1.0

## *Performance Ensemble*

### *(1-3 units selected from the following):*

MUS 27	Chamber Winds	2.0
MUS 30	Collegiate Chorale	1.0
MUS 31	Concert Choir	2.0
MUS 32	Masterworks Chorale	1.0
MUS 34	Women's Vocal Ensemble	2.0
MUS 36	Concert and Community Band	2.0
MUS 38	Ensemble	1.0
MUS 39	Laboratory Band	2.0
MUS 40	Pep Band	1.0
MUS 44	Vocal Jazz Ensemble	3.0
MUS 45	Chamber Singers	3.0
MUS 46	Mt. SAC Singers	2.0
MUS 47	Jazz Band	3.0
MUS 48	Men's Vocal Ensemble	2.0
MUS 49	Wind Ensemble	3.0

**TOTAL UNITS 18.0 - 20.0  
FOR AREA OF EMPHASIS**

## *Strongly Recommended Electives:*

MUS 11B	Music Literature Survey	3.0
MUS 16	Individual Instruction ( <i>every semester</i> )	3.0
MUS 9	Introduction to Music Technology	3.0

# Associate in Arts degree in Liberal Arts and Sciences

## EMPHASIS IN NATURAL SCIENCES

DEGREE A8988

An emphasis in Natural Sciences provides the student with an understanding of living and non-living systems and promotes an appreciation of the methodologies and tools of science. Students may select courses that focus on a specific major and then select complementary courses to strengthen their selected focus or they may select courses that strengthen and broaden their overall understanding of the Natural Sciences.

### Select a minimum of 18 units from the following:

ASTR 5	Introduction to Astronomy, <i>or</i>	3.0
ASTR 5H	Introduction to Astronomy - Honors, and	3.0
ASTR 5L	Astronomical Observing Laboratory, <i>or</i>	1.0
ASTR 7	Geology of the Solar System, and	3.0
ASTR 5L	Astronomical Observing Laboratory, <i>or</i>	1.0
ASTR 8	Introduction to Stars, Galaxies and the Universe, and	3.0
ASTR 5L	Astronomical Observing Laboratory	1.0
BIOL 2	Plant & Animal Biology	4.0
BIOL 3	Ecology and Field Biology	4.0
BIOL 4	Biology for Majors, <i>or</i>	4.0
BIOL 4H	Biology for Majors - Honors	4.0
BIOL 8	Cell and Molecular Biology	4.0
BIOL 20	Marine Biology, and	3.0
BIOL 21	Marine Biology Lab	2.0
BIOL 34	Fundamentals of Genetics	3.0
BTNY 3	Plant Structures, Functions and Diversity	5.0
METO 3	Weather and the Atmospheric Environment, and	3.0
METO 3L	Weather and the Atmospheric Environment Laboratory	1.0
MICR 1	Principles of Microbiology, <i>or</i>	5.0
MICR 22	Microbiology	4.0
CHEM 50	General Chemistry, <i>or</i>	5.0
CHEM 50H	General Chemistry - Honors	5.0
CHEM 51	General Chemistry II	5.0
CHEM 80	Organic Chemistry	5.0
CHEM 81	Organic Chemistry	5.0
CHEM 60	Quantitative Chemical Analysis	5.0
GEOG 1	Elements of Physical Geography, and	3.0
GEOG 1L	Physical Geography Laboratory	1.0
GEOL 1	Physical Geology	4.0
GEOL 2	Historical Geology	4.0
GEOL 8	Earth Science, <i>or</i>	3.0
GEOL 8H	Earth Science – Honors, and	3.0
GEOL 8L	Earth Science Laboratory	1.0
OCEA 10	Introduction to Oceanography, and	3.0
OCEA 10L	Introduction to Oceanography Laboratory	1.0
PHSC 7	Physical Science, and	4.0
PHSC 7L	Physical Science Laboratory	1.0
PHYS 2AG	General Physics	4.0
PHYS 2BG	General Physics	4.0

PHYS 4A	Engineering Physics	5.0
PHYS 4B	Engineering Physics	5.0
PHYS 4C	Engineering Physics	5.0
ENGR 40	Statics	3.0
ENGR 41	Dynamics	3.0

**TOTAL UNITS            18.0**  
**FOR AREA OF EMPHASIS**



# Associate in Arts degree in Liberal Arts and Sciences

## EMPHASIS IN SOCIAL & BEHAVIORAL SCIENCES

DEGREE A8991

An emphasis in Social & Behavioral Sciences provides the student with an understanding of statistics, cultural and gender diversity, the development of the person, biology as it relates to behavior or society, and the historical and political implications on society.

### **Foundation (a minimum of 6-7 units selected from the following):**

ANTH 1	Biological Anthropology, <i>or</i>	3.0
ANTH 1H	Biological Anthropology - Honors	3.0
POLI 1	Political Science, <i>or</i>	3.0
POLI 1H	Political Science – Honors	3.0
PSYC 1	Introduction to Psychology, <i>or</i>	3.0
PSYC 1AH	Introduction to Psychology - Honors	3.0
SOC 1	Sociology, <i>or</i>	3.0
SOC 1H	Sociology – Honors	3.0
BUSC 1A	Principles of Economics Macroeconomics, <i>or</i>	3.0
BUSC 1AH	Principles of Economics - Macroeconomics - Honors	3.0
BUSC 1B	Principles of Economics - Microeconomics, <i>or</i>	3.0
BUSC 1BH	Principles of Economics - Microeconomics - Honors	3.0
HIST 1	History of the United States, <i>or</i>	3.0
HIST 7	History of the United States, <i>or</i>	3.0
HIST 7	History of the United States - Honors	3.0

### **Plus one of the following:**

MATH 110	Elementary Statistics, <i>or</i>	3.0
MATH 110H	Elementary Statistics – Honors	3.0
PSYC 10	Statistics for the Behavioral Sciences	4.0

### **Cultural & Gender Diversity**

#### **(a minimum of 3 units selected from the following):**

ANTH 30	The Native American	3.0
ANTH 5	Principles of Cultural Anthropology, <i>or</i>	3.0
ANTH 22	General Cultural Anthropology	3.0
GEOG 2	Human Geography	3.0
GEOG 5	World Regional Geography, <i>or</i>	3.0
GEOG 30	Geography of California	3.0
JOUR 100	Mass Media and Society	3.0
JOUR 107	Race, Culture, Sex and Mass Media Images	3.0
POLI 25	Politics of the Mexican American	3.0
POLI 35	African American Politics	3.0
SPCH 7	Intercultural Communication	3.0
HIST 36	Women in American History - Beyond the Stereotypes	3.0
BIOL 15	Human Sexuality, <i>or</i>	3.0
BIOL 15H	Human Sexuality - Honors	3.0
PSYC 25	The Psychology of Women	3.0
PSYC 26	Psychology of Sexuality	3.0
R-TV 01	Introduction to Broadcasting	3.0
SOC 5	Introduction to Criminology	3.0
SOC 14	Marriage and the Family	3.0

SOC 20	Sociology of Ethnic Relations, <i>or</i>	3.0
SOC 20H	Sociology of Ethnic Relations - Honors	3.0

***Development of the Person***

***(a minimum of 3 units selected from the following):***

BIOL 5	Contemporary Health Issues	3.0
BIOL 13	Human Reproduction, Development and Aging	3.0
CHLD 1	Child, Family and Community	3.0
CHLD 10	Child Growth and Development, <i>or</i>	3.0
CHLD 10H	Child Growth and Development - Honors	3.0
PSYC 14	Developmental Psychology	3.0
PSYC 19	Abnormal Psychology	3.0
SOC 2	Sociology, <i>or</i>	3.0
SOC 2H	Sociology - Honors	3.0
SOC 4	Introduction to Gerontology	3.0
SOC 15	Child Development	3.0

***Biology as it Relates to Behavior or Society***

***(minimum of 3 units selected from the following):***

ANTH 1	Biological Anthropology	3.0
BIOL 6	Humans and the Environment	3.0
BIOL 17	Neurobiology and Behavior	3.0
BIOL 34	Fundamentals of Genetics	3.0
PSYC 1B	Biological Psychology	3.0

***Historical and Political Implications on Society***

***(a minimum of 3 units selected from the following):***

GEOG 8	The Urban World	3.0
HIST 1	History of the United States, <i>or</i>	3.0
HIST 7	History of the United States, <i>or</i>	3.0
HIST 8	History of the United States	3.0
HIST 10	History of Asia, <i>or</i>	3.0
HIST 11	History of Asia, <i>or</i>	3.0
HIST 16	The Wild West - A History, 1800-1890	3.0
HIST 30	History of the African American, <i>or</i>	3.0
HIST 31	History of the African American, <i>or</i>	3.0
HIST 35	History of Africa	3.0
HIST 40	History of the Mexican American, <i>or</i>	3.0
HIST 44	History of Native Americans	3.0
POLI 9	Introduction to International Relations, <i>or</i>	3.0
POLI 25	Politics of the Mexican American, <i>or</i>	3.0
POLI 35	African American Politics	3.0
PSYC 17	Introduction to Human Services	3.0

**TOTAL UNITS 18.0 - 19.0  
FOR AREA OF EMPHASIS**

Students who decide to major in the Social and Behavioral Sciences are strongly encouraged to gain a strong research methods background by taking PSYC 3 Introduction to Research Methods in Psychology (4.0 units) or LIBR 1 Information Resources and Research Methods (3.0 units).

***Other recommended electives include:***

ANTH 3	Archaeology	3.0
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BUSM 60	Human Relations in Business	3.0
FCS 41	Life Management	3.0
COUN 5	Career/Life Planning	3.0
COUN 51	Career Planning	1.0
CHLD 1	Child, Family and Community	3.0
CHLD 73	Infant/Toddler Care and Development	3.0
CHLD 85	Infants at Risk	3.0
LIT 15	Introduction to Cinema	3.0
LIT 20	African American Literature	3.0
LIT 25	Contemporary Mexican American Literature	3.0
LIT 3	Multicultural American Literature	3.0
PSYC 17	Introduction to Human Services	3.0
PSYC 19	Abnormal Psychology	3.0
PSYC 33	Psychology for Effective Living	3.0
SPCH 26	Interpersonal Communication, <i>or</i>	3.0
SPCH 26H	Interpersonal Communication - Honors	3.0
SL 1	Service Learning/Seminar for Health Occupations, <i>or</i>	6.0
SL 2	Linked Service Learning, <i>or</i>	1.0
SL 3	Service Learning/Seminar in Community Involvement, <i>or</i>	3.0
SL 4	Service Learning and Community	1.0