

specialized math instruction and individualized strategies based on the results of the assessment. The topics of learning styles, strategies to maximize your personal learning strengths, strategies for learning basic math concepts including whole number skills, addition, subtraction, multiplication, division, and context based arithmetic problems are covered. Students will develop individualized strategies for learning basic math concepts. Learning Skills 81 is the first of two self-paced courses designed for students with disabilities that impacts math learning. May not be repeated.

LMC: NDA

### **LRNSK-082 Learning Skills Math Reasoning and Strategies II**

27 total hours lecture, 27 total hours lab  
2 Units

ADVISORY: LRNSK-081 and/or knowledge of place value, multiplication, and division skills and strategies

This self-paced math strategies course is designed for students with disabilities which impact math learning and retention. Each student will be assessed at the beginning of the course and will be provided specialized math instruction and individualized strategies based on the results of the assessment. The topics of learning styles, strategies to maximize your personal learning strengths, strategies for learning basic math concepts including fractions, decimals, percents, estimating, and context based arithmetic problems are covered. Students will develop individualized strategies for learning basic math concepts. Learning Skills 82 is the second of two self-paced courses designed for students with disabilities which impact math learning. May not be repeated.

LMC: NDA

### **LRNSK-098 Independent Study in Learning Skills**

Provides students an opportunity to design and pursue their own interests within a particular area. Projects reflecting cultural diversity and/or societal issues will be greatly encouraged. A contract must be drawn between the student and the instructor stipulating the goals of the independent study, the content, the method of approach, the estimated time involved, and the periodic evaluation to be used. Minimum 1 hour per week with instructor plus 54 hours of contracted work for each unit of credit. May not be repeated.

LMC: Independent study courses may be DA or transferable depending on specific course. See your counselor.

TRANSFER: Independent study courses may be DA or transferable depending on specific course. See your counselor.

### **LRNSK-900s Selected Topics in Learning Skills**

DA varies with course content.

## Liberal Arts

### DEGREES—Associate of Arts

Liberal Arts: Arts and Humanities

Liberal Arts: Behavioral Science and Social Sciences

Liberal Arts: Math and Science

The liberal arts major provides a rich educational experience through coursework in a broad range of academic disciplines. Liberal arts provide excellent preparation for university transfer and/or a wide range of careers.

Students graduating with a liberal arts major are able to: read critically and communicate effectively as a writer and a speaker; understand the connections among academic disciplines and apply interdisciplinary approaches to problem solving; think critically and creatively; consider the ethical implications of knowledge; and possess a worldview informed by diverse social, multicultural and global perspectives.

Therefore, the broad based interdisciplinary nature of liberal arts provides a knowledge base and the communication and critical thinking skills necessary for many careers and occupations. The liberal arts major provides solid preparation for upper division work following transfer more specifically, for university programs in teaching and prelaw and for careers such as business, government and communication. With proper course selection (see a counselor), LMC's liberal arts major articulates with CSU's popular upper division liberal studies major, which is the path to a teaching credential program.

The Liberal Arts major incorporates many General Education requirements, so students need only to pass a few additional courses in order to complete the major. The major has three emphasis options: arts and humanities; behavioral science and social science; math and science.

### Liberal Arts: Arts and Humanities

SELECT 18-20 UNITS FROM:

Art 5, 6, 7, 8, 9

Academic and Career Success 10

Chinese 30, 40

Drama 15, 16, 30, 70

Education 40

English 100, 111, 127, 128, 129, 132, 133, 205,  
220, 221, 230, 231

Filipino 60, 61

French 60, 61, 62

Humanities 19, 20, 21, 22, 24, 30

Italian 60, 61

Journalism 35, 110

Music 10, 12, 15

Philosophy 2, 33, 40, 41, 42

Recording Arts 10, 15

Sign Language 65, 66, 67, 68, 72

Spanish 50, 51, 52, 53

TOTAL UNITS FOR THE MAJOR

18-20

TOTAL UNITS FOR THE DEGREE

60

**Program Student Learning Outcomes**

1. Read critically and communicate effectively as a writer and speaker.
2. Understand connections among disciplines and apply interdisciplinary approaches to problem solving.
3. Think critically and creatively
4. Consider the ethical implications inherent in knowledge, decision-making and action.
5. Possess a worldview informed by diverse social, multicultural and global perspectives.

**Liberal Arts: Behavioral Science and Social Sciences**

SELECT 18 UNITS FROM:

**Academic and Career Success 10****Administration of Justice 110****Anthropology 5, 6, 7****Business 109, 294****Child Development 10, 20, 50****Economics 5, 10, 11****Education 40****History 29, 30, 31, 33, 34, 35, 38, 39, 40, 46, 47, 52****Philosophy 33****Political Science 10, 20, 33, 43****Psychology 10, 11, 14, 17****Social Science 45****Sociology 12, 15, 16, 17**

TOTAL UNITS FOR THE MAJOR 18-20

TOTAL UNITS FOR THE DEGREE 60

**Program Student Learning Outcomes**

1. Read critically and communicate effectively as a writer and speaker.
2. Understand connections among disciplines and apply interdisciplinary approaches to problem solving.
3. Think critically and creatively
4. Consider the ethical implications inherent in knowledge, decision-making and action.
5. Possess a worldview informed by diverse social, multicultural and global perspectives.

**Liberal Arts: Math and Science**

SELECT 18-20 UNITS SELECT FROM:

**Astronomy 10, 11****Biological Science 5, 7, 10, 20, 21, 30, 40, 45, 50****Chemistry 6, 7, 8, 25, 26, 28, 29****Computer Science 40****Engineering 10****Math 34, 35, 37, 40, 50, 60, 70, 75, 80****Nutrition 55****Physical Science 5****Physics 15, 35, 36, 40, 41, 42**

TOTAL UNITS FOR THE MAJOR 18-20

TOTAL UNITS FOR THE DEGREE 60

**Program Student Learning Outcomes**

1. Read critically and communicate effectively as a writer and speaker.
2. Understand connections among disciplines and apply interdisciplinary approaches to problem solving.
3. Think critically and creatively
4. Consider the ethical implications inherent in knowledge, decision-making and action.
5. Possess a worldview informed by diverse social, multicultural and global perspectives.

# CSU: California State University 2016 – 2017

## GENERAL EDUCATION - BREADTH REQUIREMENTS

Students choosing to transfer are **strongly encouraged to see an LMC counselor**, since four-year college requirements vary widely and are subject to change. Students must request that the CSU GE certification be sent to the four-year campus that they will be attending. Check the appropriate box on the "Transcript Request" form at Admissions and Records. Partial GE Certification is available.

### Credit by Advanced Placement

LMC grants credit toward undergraduate degrees for successful completion of examinations of the Advanced Placement Program of the College Board. See page 18 of the college catalog for the policy for granting credit for specific scores and exams. Please check with the counseling department for up-to-date information. The current CSU GE list may be found at [www.assist.org](http://www.assist.org).

### AREA A English Language Communication and Critical Thinking

A MINIMUM OF ONE COURSE IN AREAS A1, A2 AND A3.

- |    |  |           |
|----|--|-----------|
| A1 | <b>Oral Communication</b><br>SPCH-110, 120                         | (3 units) |
| A2 | <b>Written Communication</b><br>ENGL-100                           | (3 units) |
| A3 | <b>Critical Thinking</b><br>PHIL-041, ENGL-220, ENGL-221, SPCH-120 | (3 units) |

Some CSU campuses also require English 230 to satisfy graduation requirements. Please consult with a counselor.

### AREA B Scientific Inquiry and Quantitative Reasoning

A minimum of one course in areas B1, B2 and B4. At least one course in physical science or biological science must have a laboratory activity as outlined in B3. (9 Semester units minimum)

- |    |   |           |
|----|---|-----------|
| B1 | <b>Physical Science</b><br>ASTRO-010<br>CHEM-006, 007, 008, 025, 026, 028, 029<br>PHYS-015, 035, 036, 040, 041, 042<br>PHYS-005   | (3 units) |
| B2 | <b>Life Science</b><br>BIOSC-007, 008, 010, 020, 021, 040, 045, 050, ANTHR-001  | (3 units) |
| B3 | <b>Laboratory Activity</b><br>ASTRO-010 and 011<br>BIOSC-007, 008, 010, 020, 021, 040, 045, 050<br>CHEM-006, 007, 008, 025, 026, 028, 029<br>PHYS-015, 035, 036, 040, 041, 042                    |           |
| B4 | <b>Mathematics/Quantitative Reasoning</b><br>Satisfactory completion qualifies for exemption from the ELM examination requirements.<br>MATH-034, 035, 037, 040, 050, 060, 070, 075, 080, 120, 160 | (3 units) |

### AREA C Arts and Humanities

A minimum of one course in C1 & C2 and one additional course in C1 or C2.

- |    |  |
|----|--|
| C1 | <b>Arts</b><br>ART-005, 006, 007, 008, 009, 035, DRAMA-015, 016, 070<br>MUSIC-010, 012, 015, 017, SPAN-060   |
| C2 | <b>Humanities</b><br>ART-016, 017, 018, CHIN-030, 040, DRAMA-030, 072<br>ENGL-124, 127, 128, 129, 132, 133, 140, 145, 150, 205, 230, 231<br>FILIP-060, 061, FRNCH-060, 061, 062<br>HUMAN-019, 020, 021, 022, 024, 030<br>ITAL-060, 061, PHIL-002, 033, 040, 042<br>POLSC-033, SPAN-049, 050, 051, 052, 053<br>SIGN-050, 065, 066, 067, 068 |

### AREA D Social Sciences

Courses taken from at least 2 disciplinary perspectives.

- | DISCIPLINE(S)   | COURSE(S) |
|---|-----------|
| ADJUS-110, 160, 220   |           |
| ANTHR-004, 005, 006, 007, 008   |           |
| CHDEV-010, 020, 050   |           |
| ECON-005, 010, 011  |           |
| ENGL-135  |           |
| HIST-029, 030, 031, 033, 034, 035, 038, 039, 040, 046, 047, 052, 055, 061 |           |
| JOURN-100,  |           |
| POLSC-010, 020, 033 (same as PHIL-033), 043                               |           |
| PSYCH-010, 011, 014, 017  |           |
| SOCIO-015, 016, 017   |           |
| SOCSC-045, 135  |           |
| SPCH-130, 150, 180  |           |

### AREA E Lifelong Learning and Self-Development

Minimum of one course, 3 units.

- ACS-010, ANTHR-007, BIOSC-005, CHDEV-010, PE-100  
PSYCH-014, SOCIO-012

### U.S. History, Constitution and American Ideals

One course from group A and one course from group B  
These courses may double count in Area D

- Group A:** POLSC-010, POLSC-020  
**Group B:** ECON-005, HIST-029, HIST-030

# IGETC: Intersegmental General Education Transfer Curriculum 2016 – 2017

## REQUIREMENTS FOR STUDENTS TRANSFERRING TO CSU OR UC

Students choosing to transfer are **strongly encouraged to see an LMC counselor**, since four-year college requirements vary widely and are subject to change.

Although courses may be listed in more than one area, they may be used to satisfy the requirement in only one area.

Students must request that the IGETC certification be sent to the four-year campus that they will be attending. Check the appropriate box on the "Transcript Request" form at Admissions and Records.

**Note:** Although it is possible to fulfill the Associate Degree for Transfer by completing the IGETC for UC pattern, admission to CSU requires completion of an Oral Communication course (CSU GE Area A-1; IGETC Area 1C); therefore, students who plan to transfer to CSU should complete this course as part of their GE or elective units.

### Credit by Advanced Placement

LMC grants credit toward undergraduate degrees for successful completion of examinations of the Advanced Placement Program of the College Board. See page 18 of the college catalog for the policy for granting credit for specific scores and exams.

### AREA 1 English Composition

**CSU:** Three courses required: One course from 1A, 1B and 1C.

**UC:** Two courses required: One course from 1A and 1B.

- 1A **English Composition:** ENGL-100
- 1B **Critical Thinking – English Composition:** ENGL-220, 221
- 1C **Oral Communication (CSU only):** SPCH-110, 120

### AREA 2 Mathematical Concepts and Quantitative Reasoning

One course required (3 semester units minimum).

MATH-034, 035, 037, 040, 050, 060, 070, 075, 080, 160

Math 037 and 050 combined: credit for one course only.

### AREA 3 Arts & Humanities

At least 3 courses, with at least one course from the arts and one course from the humanities. (9 semester units.)

- 3A **Arts:** ART-005, 006, 007, 008, 009, 016  
DRAMA-015, 016, 070, MUSIC-010, 015, 017
- 3B **Humanities:** ART-017, 018, 035, CHIN-040, DRAMA-030,  
ENGL-127, 128, 129, 132, 133, 140, 145, 150, 205, 231, FILIP-061,  
FRNCH-061, 062, HUMAN-019, 020, 021, 022, 024, 030,  
ITAL-061, MUSIC-012, PHIL-002, 033, 040, 042, POLSC-033,  
SIGN-066, 067, 068, SPAN-051, 052, 053

ENGL-127, ENGL-133, MUSIC-012 satisfies American Cultures Requirement, UC Berkeley.

Please check with the Counseling Department for up-to-date information. The current list of all CSU and UC transferable courses are found at [www.assist.org](http://www.assist.org).

### AREA 4 Social & Behavioral Sciences

At least 3 courses from at least 2 disciplines. (9 semester units).

- 4A **Anthropology and Archaeology:** ANTHR-004, 005, 006, 007, 008
- 4B **Economics:** ECON-010, 011
- 4C **Ethnic Studies:** HIST-046, SOCS-045, SPCH-150
- 4D **Gender Studies:** ENGL-135, PSYCH-014, SPCH-180
- 4F **History:** ECON-005, HIST-029, 030, 031, 033, 034, 035, 038, 039, 040
- 4G **Interdisciplinary, Social and Behavioral Sciences:** CHDEV-010, HIST-047, 052, JOURN-100, POLSC-043, SPCH-130, 180
- 4H **Political Science, Government and Legal Institutions:** ADJUS-110, PHIL-033, POLSC-010, 020, 033
- 4I **Psychology:** PSYCH-010, 011, 014, 017, SOCIO-017
- 4J **Sociology and Criminology:** ADJUS-110, SOCIO-015, 016, 017

### AREA 5 Physical & Biological Sciences

At least 2 courses, one physical science course and one biological science course; at least one must include a laboratory. (7-9 semester units.)

- 5A **Physical Science:** ASTRO-010, 011, CHEM-006, 008, 025, 026, 028, 029, PHYS-015, 035, 036, 040, 041, 042, PHYSC-005
- 5B **Biological Science:** BIOSC-007, 008, 010, 020, 021, 040, 045, 050, ANTHR-001

All science courses listed above include lab activity, except for: PHYSC-005 and ASTRO-010. ASTRO-011 may be completed along with ASTRO-010 for lab activity credit.

No credit for BIOSC-010 if taken after BIOSC-020.

No credit for CHEM-006 if taken after CHEM-025.

No credit for PHYS-015 if taken after PHYS-035.

No credit for PHYSC-005 if taken after college level course in Astronomy, Chemistry, Geology or Physics.

### AREA 6 Languages Other Than English

UC Requirement only. Proficiency equivalent to two years of high school study in the same language. One course (3-5 semester units)

CHIN-030, 040; FILIP-060, 061; FRNCH-060, 061, 062; ITAL-060, 061; SIGN-065, 066, 067, 068; SPAN-050, 051, 52, 53

### U.S. History, Constitution & American Ideals

CSU Requirement only. Two courses (6 semester units). One course from Group A and one course from Group B.

Courses used to satisfy this requirement may be double counted in Area 4.

**Group A:** POLSC-010, 020

**Group B:** ECON-005, HIST-029, HIST-030

# Los Medanos College **ASSOCIATE DEGREE REQUIREMENTS**

## 2016 - 2017

### Standard AA/AS Path

A minimum total of 60 degree-applicable units are required for the associate degree. Students must complete this coursework, in addition to 18 or more units in a defined major as listed in the catalog. Of the total units completed, 12 units must be at LMC, with a cumulative grade point average of 2.0 or higher. Completing the required courses in the boxes below will total between 18-19 units. Please see a counselor for assistance in selecting appropriate courses. Students choosing the transfer track option are strongly encouraged to see a counselor since four-year college requirements vary widely and are subject to change. This document is subject to change. For updates, contact **Counseling Services** or [www.losmedanos.edu](http://www.losmedanos.edu)

### General Education Requirements

#### A. Natural Sciences

3 Units

Many of these courses will also satisfy the CSU Area B requirement.

**COMPLETE ONE OF:**

ASTRO – 010; BIOSC – 005\*, 007, 008, 010; ENGIN – 010; PHYS – 015; PHYSC – 005

\*Degree credit if taken Summer 2011 and later.

#### B. Social & Behavioral Sciences

3 Units

Many of these courses will also satisfy the CSU Area D requirement.

Transfer students should consult with an LMC counselor regarding meeting the CSU American Institutions and Ideals requirement.

**COMPLETE ONE OF:**

ADJUS – 110, 160; ANTHR – 001, 004, 005, 006, 007; CHDEV – 010, 020; ECON – 005, 010, 011; EDUC-040; ENGL-110, 136;  
HIST – 029, 030, 031, 033, 034, 035, 038, 039, 040, 055, 061; POLSC – 010, 020, 033, 040, 043, 050; PSYCH – 010, 011;  
SOCIO – 015, 016; SOCSC – 045, 110; SPCH-120, 180

#### C. Arts & Humanities

3 Units

Many of these courses will also satisfy the CSU Area C requirement.

**COMPLETE ONE OF:**

ART 005, 006, 007, 008, 009, 016, 017, 018, 035; DRAMA – 015, 016, 025, 070, 072; ENGL – 124, 127, 128, 129, 133, 150, 205, 230, 231  
HUMAN – 019, 020, 021, 022, 024, 030, 035; JOURN – 100, 110; MUSIC – 010, 012, 015; PHIL – 002, 033, 040, 042; SPCH-110, 130

#### D. Language and Rationality

6-7 Units

**COMPLETE TWO COURSES:** (one from English Composition and one from Communication and Analytical Thinking)

i. English Composition: ENGL-100

ii. Communication and Analytical Thinking: MATH-026, MATH-029 or higher

#### E. Ethnic/Multicultural Studies

3 Units

Many of these courses will also satisfy the CSU Area C and D requirements.

**COMPLETE ONE OF:**

ADJUS-160; CHDEV – 050; DRAMA – 015, 030, 072; ENGL – 110, 127, 128, 129, 133, 135, 136; HIST – 046, 047, 052, 055, 061;  
SOCSC – 045, 110, 135; SPCH-150

#### TOTAL UNITS

18-19

Courses can be counted in **one** box only.