

## ***11.0 IGETC For STEM***

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### **STEM Students who are eligible to use the IGETC for STEM Majors**

Students preparing for a major in science, technology, engineering, or mathematics are eligible to complete IGETC for STEM Majors, a separate IGETC track designed specifically for these disciplines. For certification under IGETC for STEM Majors, students must complete the following:

- All courses in Areas 1 (except 1C for UC bound students), 2, and 5 of the traditional IGETC; and
- Two courses in Area 3 and two courses in Area 4, as well as one course for UC-bound students who have not satisfied 6A through proficiency

One remaining lower-division general education course in Area 3 and one remaining lower-division general education course in Area 4 will be completed after transfer. This general education plan will allow STEM students to concentrate on the required lower division math and science courses needed for success in the major. These deferred lower division general education courses must be replaced in coursework before transfer with calculus and/or major science courses required by the major. Students are eligible to complete the IGETC for STEM Majors option only if it would be impossible for them to complete both major/major preparation coursework and either IGETC and/or the CSU GE Breadth plan within 60 units prior to transfer. ***This option will apply only for majors in which the TMC explicitly indicates the availability of the option.*** As of March 2014 only Chemistry allows for IGETC for STEM.

Alternatively, STEM students may complete the traditional IGETC. However, IGETC and IGETC for STEM Majors may not be appropriate for those colleges or majors which prefer that transfer students follow a more prescribed lower-division curriculum.

If any specific AS-T degree allows IGETC for STEM Majors as its general education pattern, the specific courses that should replace the deferred lower division general education courses may be indicated on the Transfer Model Curriculum (TMC) for that discipline.

Students transferring to the UC should refer to the following website for information on colleges and majors which do not recommend IGETC or IGETC for STEM Majors:  
<http://www.universityofcalifornia.edu/admissions/counselors/transfer/advising/igetc/index.html>

## **1.1 Areas of Distribution For IGETC**

The Intersegmental General Education Transfer Curriculum is comprised of courses taught at California Community Colleges that satisfy specific areas of general education:

### **AREA 1 - ENGLISH COMMUNICATION**

1A: English Composition (one course - 3 semester or 4-5 quarter units)

1B: Critical Thinking - English Composition (one course - 3 semester or 4-5 quarter units)

1C: Oral Communication (CSU requirement only) (one course - 3 semester or 4-5 quarter units)

**AREA 2A - MATHEMATICAL CONCEPTS & QUANTITATIVE REASONING** (one course - 3 semester or 4-5 quarter units)

**AREA 3 - ARTS AND HUMANITIES** (Three courses, with one from the Arts and one from the Humanities. 9 semester or 12-15 quarter units)

3A: ARTS

3B: HUMANITIES

**AREA 4 - SOCIAL and BEHAVIORAL SCIENCES** (Three courses from at least two academic disciplines. 9 semester or 12-15 quarter units)

**AREA 5 - PHYSICAL and BIOLOGICAL SCIENCES** (Two courses, with one from the Physical Science and one from the Biological Science, at least one of the two courses must include a laboratory. 7-9 semester units or 9-12 quarter units)

5A: PHYSICAL SCIENCE

5B: BIOLOGICAL SCIENCE

**AREA 6 - LANGUAGE OTHER THAN ENGLISH (UC Requirement Only)** (Proficiency equivalent to two years of high school study in the same language.)

## **1.2 Areas of Distribution For IGETC For STEM**

The Intersegmental General Education Transfer Curriculum for Science, Technology, Engineering, Math is comprised of courses taught at California Community Colleges that satisfy specific areas of general education. This option will apply **only** for majors in which the TMC explicitly indicates the availability of the option.

### **AREA 1 - ENGLISH COMMUNICATION**

1A: English Composition (one course - 3 semester or 4-5 quarter units)

1B: Critical Thinking - English Composition (one course - 3 semester or 4-5 quarter units)

1C: Oral Communication (CSU requirement only) (one course - 3 semester or 4-5 quarter units)

**AREA 2A - MATHEMATICAL CONCEPTS & QUANTITATIVE REASONING** (one course - 3 semester or 4-5 quarter units)

**AREA 3 - ARTS AND HUMANITIES** (At least two courses. One from the Arts and one from the Humanities. 6 semester or 8 quarter units)

3A: ARTS

3B: HUMANITIES

**AREA 4 - SOCIAL and BEHAVIORAL SCIENCES** (At least two courses from at least two academic disciplines. 6 semester or 8 quarter units)

**AREA 5 - PHYSICAL and BIOLOGICAL SCIENCES** (two courses, with one from the Physical Science and one from the Biological Science, at least one of the two courses must include a laboratory. 7-9 semester units or 9-12 quarter units)

5A: PHYSICAL SCIENCE

5B: BIOLOGICAL SCIENCE

**AREA 6 - LANGUAGE OTHER THAN ENGLISH (UC Requirement Only)** (Proficiency equivalent to two years of high school study in the same language.)

Full descriptions of these six areas and their subareas begin in Section 10.0. Details about IGETC For STEM can be found in section 11.0

# 12.5 IGETC For STEM Form

## Intersegmental General Education Transfer Curriculum IGETC Certification

Name: \_\_\_\_\_ Student ID#: \_\_\_\_\_  
(Last) (First) (Middle)

Transferring to: \_\_\_ UC \_\_\_ CSU School: \_\_\_\_\_ Date of Birth: \_\_\_\_/\_\_\_\_/\_\_\_\_

A minimum "C" grade is required in each college course for IGETC. A "C" is defined as a minimum 2.0 grade points on a 4.0 scale."	<b>Units Comp.</b>
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**AREA 1 – ENGLISH COMMUNICATION** CSU: 3 courses required, one each from Group A, B and C.  
 UC: 2 courses required, one each from Group A and B.

<b>1A</b>	<b>English Composition</b> (one course – 3 semester or 4-5 quarter units) Course: _____ College: _____ Advanced Placement (No IB score accepted for this area):	
<b>1B</b>	<b>Critical Thinking – English Composition</b> (one course – 3 semester or 4-5 quarter units) Course: _____ College: _____ (No AP or IB scores accepted for this area)	
<b>1C</b>	<b>Oral Communication (CSU requirement only)</b> (one course – 3 semester or 4-5 quarter units) Course: _____ College: _____ (No AP or IB scores accepted for this area)	

**AREA 2A – MATHEMATICAL CONCEPTS & QUANTITATIVE REASONING** (one course – 3 semester or 4-5 quarter units)  
 Course: \_\_\_\_\_ College: \_\_\_\_\_ Advanced Placement/International Baccalaureate:

**AREA 3 – ARTS AND HUMANITIES** (At least 2 courses, with at least one from the Arts and one from the Humanities. 6 semester or 8 quarter units)

<b>3A</b>	<b>ARTS</b> Course: _____ College: _____ Advanced Placement/International Baccalaureate:	
<b>3B</b>	<b>HUMANITIES</b> Course: _____ College: _____ Advanced Placement/International Baccalaureate:	

**AREA 4 – SOCIAL and BEHAVIORAL SCIENCES** (At least 2 courses from at least two academic disciplines. 6 semester or 8 quarter units)

	Course: _____ College: _____ Advanced Placement/International Baccalaureate:	
	Course: _____ College: _____ Advanced Placement/International Baccalaureate:	

**AREA 5 – PHYSICAL and BIOLOGICAL SCIENCES** (At least 2 courses, with one from the Physical Science and one from the Biological Science, at least one of the two courses must include a laboratory. 7-9 semester units or 9-12 quarter units)

<b>5A</b>	<b>PHYSICAL SCIENCE</b> Course: _____ College: _____ Advanced Placement/International Baccalaureate: _____	
<b>5B</b>	<b>BIOLOGICAL SCIENCE</b> Course: _____ College: _____ Advanced Placement/International Baccalaureate: _____	
<b>5C</b>	<b>LABORATORY</b> Course: _____ College: _____ Advanced Placement/International Baccalaureate: _____	

**AREA 6 – LANGUAGE OTHER THAN ENGLISH (UC Requirement Only)** (Proficiency equivalent to two years of high school study in the same language.)  
 1. Course: \_\_\_\_\_ College: \_\_\_\_\_ Advanced Placement/International Baccalaureate:  
 2. Completed in High School:  
 3. Other:

**CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION & AMERICAN IDEALS** (not part of IGETC; may be completed prior to transfer, 6 units)  
 Course: \_\_\_\_\_ College: \_\_\_\_\_ Advanced Placement/International Baccalaureate:  
 Course: \_\_\_\_\_ College: \_\_\_\_\_ Advanced Placement/International Baccalaureate:

IGETC certified for: \_\_\_ UC \_\_\_ CSU Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Phone #: ( ) \_\_\_\_\_

Certified by (print name): \_\_\_\_\_ Title: \_\_\_\_\_