

CSU-GE BREADTH CERTIFICATION REQUIREMENTS 2019-2020

AREA A: English Language Communication and Critical Thinking

Select one course from each category:

A1 Oral Communication

COMM-01, 01H, 04, 05

A2 Written Communication [AP accepted]

ENGL-01A

A3 Critical Thinking

ENGL-01C, ENGL/PHIL-13, 13H,

PHIL-10, 12

AREA B: Scientific Inquiry and Quantitative Reasoning

A minimum of 9 units is required with one course each from areas B1, B2, and B4. At least one of the courses must be a lab course from B3 (Lab courses are underlined under B1 and B2):

B1 Physical Science [AP, IB & CLEP accepted]

ARCH-01

ASTR-01, 01L

CHEM-02A, 02B, 04A, 04B

GEOG-01, 01L, 15

GEOL-01, 02, 03

PHSC-01, 01L, 02

PHYS-02A, 02B, 04A, 04B, 04C, 10

SOIL-10

B2 Life Science [AP, IB & CLEP accepted]

ANTH-01

BIOL-01, 02, 04A, 04B, 06, 09, 16, 18, 20, 32

PLSC-10

PSYC-15

B3 Laboratory Activity

ANTH-01

ASTR-01L

BIOL-01, 02, 04A, 04B, 16, 18, 20, 32L

CHEM-02A, 02B, 04A, 04B

GEOG-01L

GEOL-01, 02, 03

PHSC-01L, 02L

PHYS-02A, 02B, 04A, 04B, 04C

PLSC-10

SOIL-10

B4 Mathematics/Quantitative Reasoning [AP, IB & CLEP accepted]

CPSC/MATH-07

MATH-02, 02H, 03, 04A, 04B, 04C, 06, 08, 10, 11, 15, 20A, 20B, 25, 26, 27

PSYC-05

AREA C: Arts and Humanities

A minimum of 9 semester units are required with at least one course from each area:

C1 Arts (Art, Dance, Music, Theater) [AP & IB accepted]

ART-01, 02, 06, 15

ARTD-07, **08**, 40A, 40B

DRAM-01, 08

ENGL-14, 15

MUSG-10, 11, 12, 13, 14

PHOT-33, 36

C2 Humanities (Literature, Philosophy, and Foreign Language)

[AP, IB & CLEP accepted]

ARTD-07

DRAM-01

ENGL-01B, 04A, 04B, 05, 06A, 06B, 07, 08, 10, 11, 18

FREN-01, 02, 03, 04

GERN-01, 02, 03, 04

HIST-03A, 03B, 04A, 04B, 05, 09A, 09B, 17A, 17AH, 17B, 17BH, 19, 29

HMNG-01, 02

HUM-01, 01H, 02, 02H, 15, 21

JPNS-01A, 01B, 02

PHIL-01, 01H, 02, 03, 04, 05, 15

SPAN-01, 02, 03, 04, 10, 11

AREA D: Social Sciences [AP, IB & CLEP accepted]

A minimum of 9 semester units are required with courses in at least two disciplines:

AGBS-11

AGRI-10

ANTH-02, 10

CLDV-01, 02

COMM-30

CRIM-01

ECON-01, 02

GEOG-02, 12

HIST-03A, 03B, 04A, 04B, 05, 07, 10, 17A, 17AH, 17B, 17BH, 19, 22, 23, 29

HUM-15

NUTR-12

PHIL-02

POSC-01, 02, **03, 04**

PSYC-01A, 01AH, 15, 22, 23, 25, 36

SOC-01, 03

AREA E: Lifelong Understanding and Self-Development

A minimum of 3 units are required from the following:

E Integrated Organism [CLEP accepted]

ATHL-02A, 02B, 02D, 02G, 02I, 02K

CLDV-01, 02

CLDV/PSYC-09

COLL-10

GUID-30

HLTH-10

KINE-09, 15, **17**, 30, 35, 36, 41, 42

NUTR-10

PSYC-22, 23, 40

REGN-34

Minimum Total CSU-GE Certification: 39 Units

Merced College Courses Designated to Meet CSU History, Constitution, and American Ideals Graduation Requirement [AP & CLEP accepted]

The American Institutions Requirement (AIR) (U.S. History, Constitution, California State and Local Government) as well as requirements for Political and Economic Institutions may be met by completion of one of the following sequences:

Sequence A:

HIST-17A or HIST-17AH (both meet US-1 and US-2) AND

HIST-17B or HIST-17BH (both meet US-1 and US-3)

Sequence B:

HIST-17A or HIST-17AH or HIST-17B or HIST-17BH or HIST-22 (US-1)

AND

POSC-01 (US-2 AND US-3)

Students satisfy this CSU graduation requirement through coursework in three areas:

US-1: Historical development of American institutions and ideals

US-2: U.S. Constitution and government

US-3: California state and local government Conditions:

- This requirement may be met before or after transfer to the CSU.
- Students who want to fulfill this requirement with courses taken before Fall, 2004 should consult their college catalogs.
- If a course is approved for more than one US Area above, a student may use the course to satisfy all areas listed.
- US-1 may be completed with a score of 3 or higher on Advanced Placement US History.
- US-2 (but not US-3) may be completed with a score of 3 or higher on Advanced Placement US Government & Politics.
- At the discretion of the CSU Campus granting the degree, courses meeting this requirement may also be counted toward certification in general education (GE Breadth or IGETC).

Check with your counselor for details.

Updated APRIL 2019; reference: 2016-2019 www.assist.org

CSU-GE BREADTH CERTIFICATION REQUIREMENTS FOR STEM - 2019-2020

ONLY USABLE FOR AS-T BIOLOGY

AREA A: English Language Communication and Critical Thinking

Select one course from each category:

A1 Oral Communication

COMM-01, 01H, 04, 05

A2 Written Communication [AP accepted]

ENGL-01A

A3 Critical Thinking

ENGL-01C, ENGL/PHIL-13,
13H, PHIL-10, 12

AREA B: Scientific Inquiry and Quantitative Reasoning

A minimum of 9 units is required with one course each from areas B1, B2, and B4. At least one of the courses must be a lab course from B3 (Lab courses are underlined under B1 and B2):

B1 Physical Science [AP, IB & CLEP accepted]

ARCH-01
ASTR-01, 01L
CHEM-02A, 02B, 04A, 04B
GEOG-01, 01L, 15
GEOL-01, 02, 03
PHSC-01, 01L, 02
PHYS-02A, 02B, 04A, 04B, 04C, 10
SOIL-10

B2 Life Science [AP, IB & CLEP accepted]

ANTH-01
BIOL-01, 02, 04A, 04B, 06, 09, 16, 18, 20, 32
PLSC-10
PSYC-15

B3 Laboratory Activity

ANTH-01
ASTR-01L
BIOL-01, 02, 04A, 04B, 16, 18, 20, 32L
CHEM-02A, 02B, 04A, 04B
GEOG-01L
GEOL-01, 02, 03
PHSC-01L, 02L
PHYS-02A, 02B, 04A, 04B, 04C
PLSC-10
SOIL-10

B4 Mathematics/Quantitative Reasoning [AP, IB & CLEP accepted]

CPSC/MATH-07
MATH-02, 02H, 03, 04A, 04B, 04C, 06, 08, 10, 11, 15, 20A, 20B, 25,
26, 27
PSYC-05

AREA C: Arts and Humanities

A minimum of 6 semester units are required with at least one course from each area:

C1 Arts (Art, Dance, Music, Theater) [AP & IB accepted]

ART-01, 02, 06, 15
ARTD-07, **08**, 40A, 40B
DRAM-01, 08
ENGL-14, 15
MUSG-10, 11, 12, 13, 14
PHOT-33, 36

C2 Humanities (Literature, Philosophy, and Foreign Language) [AP, IB & CLEP accepted]

ARTD-07
DRAM-01
ENGL-01B, 04A, 04B, 05, 06A, 06B, 07, 08, 10, 11, 18
FREN-01, 02, 03, 04
GERN-01, 02, 03, 04
HIST-03A, 03B, 04A, 04B, 05, 09A, 09B, 17A, 17AH, 17B, 17BH, 19,
29

HMNG-01, 02

HUM-01, 01H, 02, 02H, 15, 21

JPNS-01A, 01B, 02

PHIL-01, 01H, 02, 03, 04, 05, 15

SPAN-01, 02, 03, 04, 10, 11

AREA D: Social Sciences [AP, IB & CLEP accepted]

A minimum of 6 semester units are required with courses in at least two disciplines:

AGBS-11

AGRI-10

ANTH-02, 10

CLDV-01, 02

COMM-30

CRIM-01

ECON-01, 02

GEOG-02, 12

HIST-03A, 03B, 04A, 04B, 05, 07, 10, 17A, 17AH, 17B, 17BH, 19, 22,
23, 29

HUM-15

NUTR-12

PHIL-02

POSC-01, 02, **03**, **04**

PSYC-01A, 01AH, 15, 22, 23, 25, 36

SOC-01, 03

AREA E: Lifelong Understanding and Self-Development

A minimum of 3 units are required from the following:

E Integrated Organism [CLEP accepted]

ATHL-02A, 02B, 02D, 02G, 02I, 02K
CLDV-01, 02
CLDV/PSYC-09
COLL-10
GUID-30
HLTH-10
KINE-09, 15, **17**, 30, 35, 36, 41, 42
NUTR-10
PSYC-22, 23, 40
REGN-34

Minimum Total CSU-GE Certification: 39 Units

Merced College Courses Designated to Meet CSU History, Constitution, and American Ideals Graduation Requirement [AP & CLEP accepted]

The American Institutions Requirement (AIR) (U.S. History, Constitution, California State and Local Government) as well as requirements for Political and Economic Institutions may be met by completion of one of the following sequences:

Sequence A:

HIST-17A or HIST-17AH (both meet US-1 and US-2) AND
HIST-17B or HIST-17BH (both meet US-1 and US-3)

Sequence B:

HIST-17A or HIST-17AH or HIST-17B or HIST-17BH or HIST-22
(US-1)

AND POSC-01 (US-2 AND US-3)

Students satisfy this CSU graduation requirement through coursework in three areas:

US-1: Historical development of American institutions and ideals

US-2: U.S. Constitution and government

US-3: California state and local government Conditions:

- This requirement may be met before or after transfer to the CSU.
- Students who want to fulfill this requirement with courses taken before Fall, 2004 should consult their college catalogs.
- If a course is approved for more than one US Area above, a student may use the course to satisfy all areas listed.
- US-1 may be completed with a score of 3 or higher on Advanced Placement US History.
- US-2 (but not US-3) may be completed with a score of 3 or higher on Advanced Placement US Government & Politics.
- At the discretion of the CSU Campus granting the degree, courses meeting this requirement may also be counted toward certification in general education (GE Breadth or IGETC). Check with your counselor for details.

Updated APRIL 2019; reference: 2016-2019 www.assist.org

IGETC 2019-2020

Intersegmental General Education Transfer Curriculum

Completion of the IGETC permits a student to transfer from Merced College to a campus in either the California State University or the University of California system without the need after transfer to take additional, lower division, general education courses to satisfy the campus GE requirements. IGETC is not recommended for majors that require extensive lower division preparation. Consult with your counselor. Students may also fulfill the general education requirements by completing the specific lower division breadth and general education requirements of the school or college of the campus to which the student intends to transfer. Students intending to transfer to the California State University System may also complete the requirement by fulfilling the CSU's general education requirement.

Completion of the IGETC will not satisfy the American Institutions requirement. Courses used to satisfy the American Institutions requirement may not be counted to satisfy either a Humanities or a Social and Behavioral Science requirement.

AREA 1: English Communication

UC: Select one course from 1A & 1B.

CSU: Select one course from 1A, 1B and 1C.

Group A: English Composition [AP accepted]

ENGL-01A

Group B: Critical Thinking

ENGL/PHIL-13*, 13H

Group C: Oral Communication {CSU REQUIREMENT ONLY}

COMM-01, 01H, 04

AREA 2: Mathematical Concepts and Quantitative Reasoning [AP accepted]

(One course: 3 semester units)

CPSC/MATH-07

MATH-02+, 02H+, 03, 04A, 04B, 04C, 06, 07, 08, 10, 11, 15, 26+, 27

PSYC-05

AREA 3: Arts & Humanities

A minimum of three courses (9 semester units) are required with at least one course from 3A and 3B

3A. Arts [AP & IB accepted]

ART-01, 02, 06, 15

ARTD-07, 40A, 40B

ENGL-14

HUM-21

MUSG-10, 11, 13, 14

PHOT-33

3B. Humanities [AP & IB accepted]

DRAM-01

ENGL-01B*, 04A, 04B, 05, 06A, 06B, 07, 08, 10, 11, 18

FREN-03*, 04*

GERN-02*, 03*, 04*

HIST-03A, 03B, 04A, 04B, 05*, 09A*, 09B, 17A*, 17AH*, 17B*,

17BH*, 29*

HMNG-02*

HUM-01, 01H, 02, 02H, 15*

PHIL-01, 01H, 02*, 03, 04, 05, 15

SPAN-02*+, 03*, 04*, 10*+, 11*+

AREA 4: Social & Behavioral Sciences [AP & IB accepted]

A minimum of three courses (9 semester units) is required from at least two disciplines

AGBS-11

ANTH-02, 10

CLDV-01, 02

COMM-30

ECON-01, 02

GEOG-02, 12

HIST-03A, 03B, 05*, 09A*, 07, 10, 17A*, 17AH*, 17B*, 17BH*, 19,

22, 23, 29*

HUM-15*

PHIL-02*

POSC-01, 02, **03, 04**

PSYC-01A, 01AH, 15*, 22, 23, 25, 36

SOC-01, 03

AREA 5: Physical & Biological Sciences

A minimum of two course (7-9 semester units) is required with at least one course from 5A and 5B. At least one course must be a lab course listed in "5C Laboratory".

5A. Physical Science [AP & IB accepted]

ARCH-01

ASTR-01

CHEM-02A+, 02B+, 04A, 04B

GEOG-01, 15

GEOG-01, 02*, 03+

PHSC-01+, 02+

PHYS-02A+, 02B+, 04A+, 04B+, 04C+, 10+

SOIL-10

5B. Biological Science [AP & IB accepted]

ANTH-01

BIOL-01+, 02, 04A, 04B, 06, 09, 16, 18, 20, 32

PLSC-10

PSYC-15*

5C. Laboratory [AP & IB accepted]

ANTH-01

ASTR-01L

BIOL-01+, 02, 04A, 04B, 16, 18, 20, 32L

CHEM-02A+, 02B+, 04A, 04B

GEOG-01L

GEOG-01, 02*, 03+

PHSC-01L, 02L+

PHYS-02A+, 02B+, 04A+, 04B+, 04C+

PLSC-10

SOIL-10

AREA 6: Language Other Than English [AP & IB accepted] {UC ONLY}

Requires proficiency equivalent to two years of high school study in the same language. Courses from another college, AP/IB, or courses above the proficiency level may also be used to meet this requirement.

FREN-01, 02, 03*, 04*

GERN-01, 02*, 03*, 04*

HMNG-01, 02*

JPNS-01B, 02

SPAN-01+, 02*+, 03*, 04*, 10+, 11+

+Transfer Credit is limited by UC or CSU or both. Please consult with a counselor.

*Courses listed in multiple areas shall not be certified in more than one area except for courses in Area 6, Language Other Than English, which can be certified in both Areas 3B and 6.

IGETC 2019-2020 for STEM

Intersegmental General Education Transfer Curriculum

Completion of the IGETC permits a student to transfer from Merced College to a campus in either the California State University or the University of California system without the need after transfer to take additional, lower division, general education courses to satisfy the campus GE requirements. IGETC is not recommended for majors that require extensive lower division preparation. Consult with your counselor. Students may also fulfill the general education requirements by completing the specific lower division breadth and general education requirements of the school or college of the campus to which the student intends to transfer. Students intending to transfer to the California State University System may also complete the requirement by fulfilling the CSU's general education requirement. Completion of the IGETC will not satisfy the American Institutions requirement. Courses used to satisfy the American Institutions requirement may not be counted to satisfy either a Humanities or a Social and Behavioral Science requirement.

IGETC FOR STEM CAN ONLY BE USED BY THE AS-T IN BIOLOGY AND THE AS-T IN CHEMISTRY.

AREA 1: English Communication

UC: Select one course from 1A & 1B.

CSU: Select one course from 1A, 1B and 1C.

Group A: English Composition [AP accepted]

ENGL-01A

Group B: Critical Thinking

ENGL/PHIL-13*, 13H

Group C: Oral Communication {CSU REQUIREMENT ONLY}

COMM-01, 01H, 04

AREA 2: Mathematical Concepts and Quantitative Reasoning [AP accepted]

(One course: 3 semester units)

CPSC/MATH-07

MATH-02+, 02H+, 03, 04A, 04B, 04C, 06, 07, 08, 10, 11, 15, 26+, 27

PSYC-05

AREA 3: Arts & Humanities

A minimum of **two** courses (**6** semester units) are required with at least one course from 3A and 3B

3A. Arts [AP & IB accepted]

ART-01, 02, 06, 15

ARTD-07, 40A, 40B

ENGL-14

HUM-21

MUSG-10, 11, 13, 14

PHOT-33

3B. Humanities [AP & IB accepted]

DRAM-01

ENGL-01B*, 04A, 04B, 05, 06A, 06B, 07, 08, 10, 11, 18

FREN-03*, 04*

GERN-02*, 03*, 04*

HIST-03A, 03B, 04A, 04B, 05*, 09A*, 09B, 17A*, 17AH*, 17B*,

17BH*, 29*

HMNG-02*

HUM-01, 01H, 02, 02H, 15*

PHIL-01, 01H, 02*, 03, 04, 05, 15

SPAN-02*+, 03*, 04*, 10*+, 11*+

AREA 4: Social & Behavioral Sciences [AP & IB accepted]

A minimum of **two** courses (**6** semester units) is required from at least two disciplines

AGBS-11

ANTH-02, 10

CLDV-01, 02

COMM-30

ECON-01, 02

GEOG-02, 12

HIST-03A, 03B, 05*, 09A*, 07, 10, 17A*, 17AH*, 17B*, 17BH*, 19,

22, 23, 29*

HUM-15*

PHIL-02*

POSC-01, 02, **03, 04**

PSYC-01A, 01AH, 15*, 22, 23, 25, 36

SOC-01, 03

AREA 5: Physical & Biological Sciences

A minimum of two course (7-9 semester units) is required with at least one course from 5A and 5B. At least one course must be a lab course listed in "5C Laboratory".

5A. Physical Science [AP & IB accepted]

ARCH-01

ASTR-01

CHEM-02A+, 02B+, 04A, 04B

GEOG-01, 15

GEOL-01, 02*, 03+

PHSC-01+, 02+

PHYS-02A+, 02B+, 04A+, 04B+, 04C+, 10+

SOIL-10

5B. Biological Science [AP & IB accepted]

ANTH-01

BIOL-01+, 02, 04A, 04B, 06, 09, 16, 18, 20, 32

PLSC-10

PSYC-15*

5C. Laboratory [AP & IB accepted]

ANTH-01

ASTR-01L

BIOL-01+, 02, 04A, 04B, 16, 18, 20, 32L

CHEM-02A+, 02B+, 04A, 04B

GEOG-01L

GEOL-01, 02*, 03+

PHSC-01L, 02L+

PHYS-02A+, 02B+, 04A+, 04B+, 04C+

PLSC-10

SOIL-10

AREA 6: Language Other Than English [AP & IB accepted] {UC ONLY}

Requires proficiency equivalent to two years of high school study in the same language. Courses from another college, AP/IB, or courses above the proficiency level may also be used to meet this requirement.

FREN-01, 02, 03*, 04*

GERN-01, 02*, 03*, 04*

HMNG-01, 02*

JPNS-01B, 02

SPAN-01+, 02*+, 03*, 04*, 10+, 11+

+Transfer Credit is limited by UC or CSU or both. Please consult with a counselor.

*Courses listed in multiple areas shall not be certified in more than one area except for courses in Area 6, Language Other Than English, which can be certified in both Areas 3B and 6.