

Spring Addendum



**CERRITOS
COLLEGE**

**Catalog Addendum #2
2022 -2023**

Table of Contents

Pages

General Education Requirement Corrections

Plan B CSU General Education Requirements 1

- *Adding area A3. Critical thinking: Communication Studies 103; English 103, 106; Psychology 103; Reading 103*
- *Replacing Earth Science 104 (lab) with 106 in area B1*
- *Removing Biotechnology 120 from area B2*
- *Removing Chicano Studies 108* from area C1*
- *Correcting D2 numbering from American Government to Social, Political, Historical and Economic Institutions*

Plan C Intersegmental General Education Transfer Curriculum (IGETC) For Transfer to UC and CSU Requirements3

- *Adding Communication Studies 103 to Area 1. B3*
- *Correcting Area 5 GEOL 104 to GEOL 104 (lab)*

Program Updates.....5

Engineering Design Technology – Certificate of Achievement

- *Misprint of program requirements*

Course updates6

AB 282 – Steering, Suspension and Powertrain Analysis for Estimators

- *Missing contact hours*

COS 61A – Intermediate Cosmetology I

- *Correcting lecture units*

COS 70B – Intermediate Cosmetology

- *Correcting lecture units*

ETHN 135 – Ethnic Studies, Space, and Social Justice Studies

- *Adding UC transferability*

ETHN 262 – The Psychology of Oppression

- *Adding UC transferability*

GEOG 135 – Ethnic Studies, Space, and Social Justice Studies

- *Adding UC transferability*

HED 204 – Occupational Work Experience in Community Health Worker

- *Adding prerequisite requirement*

PSYC 262 – The Psychology of Oppression

- *Adding UC transferability*

Associate of Arts Degree for General Education

2022-2023

Plan B

CSU General Education Requirements

Plan B is designed primarily for students who will transfer to a California State University (CSU) campus and are not interested in attending a University of California campus. Students may use this plan to combine completion of both the Associate of Arts general education requirement, with one caveat, and the CSU General Education Certification pattern. Students should see a counselor for advice on selecting the A.A. general education plan that in combination with a major will best match their educational and career goals.

To earn an Associate of Arts degree using Plan B, students must complete a minimum of 60 degree applicable units with an overall grade point average of "C" (2.0) or higher, which must include the specified general education requirements and designated courses for a major. The Health and Wellness Proficiency requirement must be completed (See description in Plan A).

However, a student may not use Plan B to fulfill the Math Proficiency Requirement for a local, regular (non-AAT/AST) degree if they have taken FIN 125M, Personal Finance. They would have to meet one of the criteria specified in the Math Proficiency Requirement section for Plan A. Students should consult with a counselor if they have questions about this.

If a student wishes only to transfer and is not seeking an A.A. degree, there are no proficiencies required for CSU GE certification. Credits from international transcripts will not be used to certify general education requirements for transfer. Please see a counselor for more information.

It should be noted that completion of the CSU General Education Certification is not required for admission to the CSU nor is it the only way to fulfill the lower division general education requirements. Depending upon the student's major, it may be advantageous to complete the requirements of the specific campus the student plans to attend.

CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION CERTIFICATION REQUIREMENTS

A maximum of 39 units is required to fulfill the CSU lower division general education requirements, with the units to be distributed as follows: Nine (9) units in Area A; nine (9) units in Areas B, and C; six (6) units in Area D; three (3) units in Area E; and three (3) units in Area F.

A letter grade of "C" or higher is required in Oral Communication, Written Communication, Critical Thinking, and Mathematical Concepts.

Note: Courses appearing in more than one category may be used to satisfy only one category. Such courses are marked with an *.

- A. Communications: 9 units minimum.
Must take one course from category 1, 2, and 3
 1. Oral Communication
Communication Studies 100, 120, 125, 130, 132
 2. Written Communication
English 100, 100S
 3. Critical Thinking
Communication Studies 103
English 103, 110
Philosophy 103, 106
Psychology 103
Reading 103
- B. Natural Science and Mathematics: 9 units minimum. Take a course from category 1, 2 and 3. AT LEAST ONE LABORATORY (LAB) MUST BE INCLUDED IN CATEGORY 1 or CATEGORY 2.
 - I. Physical Sciences

- Astronomy 102, 103, 104, 105L (lab), 106
Chemistry 100 (lab), 110 (lab), 111 (lab), 112 (lab)
Earth Science 101, 102 (lab), 104, 106, 106L (lab), 110 (lab)
Energy 100
Geography 101, 101L (lab), 103
Geology 101 (lab), 102, 102L (lab), 103, 103L (lab), 201 (lab), 204, 207 (lab), 208, 209
Physical Science 100, 112 (not considered a LAB science for CSU GE)
Physics 100 (lab), 101 (lab), 102 (lab), 201 (lab), 202 (lab), 203 (lab)
2. Biological Sciences
Anatomy and Physiology 120 (lab), 150 (lab), 151 (lab), 200 (lab), 201 (lab)
Anthropology 115, 115L (lab)
Biology 105, 110 (lab), 115 (lab), 120 (lab), 200 (lab), 201 (lab), 202
Botany 120 (lab)
Microbiology 200 (lab)
Psychology 241
Zoology 120 (lab)
 3. Mathematical Concepts
Finance +125M
Mathematics 104, 110A, 110B, 112, 112S, 114, 115, 116, 140, 155, 160, 170, 190, 225, 250
Psychology 210

+ May not be used for any regular (non-AAT/AST) AA Degree.
Please see a counselor for more information.

- C. Fine Arts and Humanities: 9 units minimum. Take one course in category 1 and 2. The third course may be taken in either category.
 - I. Fine Arts
Architecture 112
Art 100, 101, 102, 103, 104, 105A, 105B, 106, 107, *+108, *+109, 110, 113, 116, +118, 120, 130A, 150, 193
Dance 100, 101
Film 159
Humanities *+108, *+109
Music 100, 101, 102, 103, 104, 104B, 105, 180
Photography 100, 160
Theatre 101, 102, 103, 104, 150,
RTV 151/TH 151, RTV 152
Women's and Gender Studies +118
 2. Humanities
Africana Studies +226
American Sign Language 110, 111, 210, 211, *220
Art *+108, *+109, 124, +125, +207
Chicano Studies *+108
Chinese 101, 102, 201, 202, 260
Communication Studies 140
English 102, 106, 221A, 221B, 222, 223, 224, 225, +226,
227, 228, 230A, 230B, 231, 232, 233, 234, 235, 236, 237,
238, 239, 245, 246A, 246B, 248A, 248B, 249, 257
French 101, 102, 201, 202, 203, 281, 282, 283, 285
German 101, 102, 201, 202
History *101, *102, *103, *+108, *110, *120, *210, *220, *221, *230, *235, *241, *242, *245, *246, *250, *255, *260, *265, *275
Humanities 100, 102, *+108, *+109, +125

Japanese 101, 102, 201, 202
Philosophy 100, 102, 104, 105, 107, 108, +109, 130, 140,
200, 201, 203, 204, 205, 206
Photography 150 Political
Science *240
Spanish 101, 102, 111, 112, 201, 202, 210, 245, 260, +285
Women's and Gender Studies 102, +109, +207

*+Political Science 280
*+Psychology 262
*+Sociology 210
*+Women's and Gender Studies 105

Please see a counselor for any updates and your options for satisfying this requirement.

* These courses appear in more than one category, but may be used only to satisfy one category.

+These courses are cross-listed with another course. See individual cross-listed course descriptions in the college catalog.

NOTE: Changes in the above general education requirements may occur from time to time. If courses are added to or deleted from the pattern, it may affect a student's selection of courses. Students do not have catalog rights to a certification pattern, regardless of their continual attendance status.

CSU Transfer credit is noted in individual catalog course descriptions. A complete list of CSU transferable courses offered by Cerritos College can be found on the ASSIST website at www.assist.org.

D. Social Sciences: 6 units minimum.

Take one course from category 1 and one course from category 2.

I. American History and American Government

Chicano Studies +108

History *+101, *102, *103, *+108

(Above courses each meet the CSU Graduation Requirements for United States History)

OR

American Government

Political Science 101, 201

(The above courses each meet CSU Graduation Requirements for Constitution and American Ideals)

2. Social, Political, Historical and Economic Institutions

Administration of Justice 101

Africana Studies *105 American

Sign Language *220

Anthropology 100, 120, 170, 200, 202, 203, *+205, 206

Business Administration 100

Chicano Studies 101 Child

Development *110

Communication Studies 110, +115

Economics 101, +102, 201M, 202M, 204

Education +205

Ethnic Studies *+105, *+135, +205, *+210, +275, *+262, *+280

Environmental Policy 200

Geography 102, 105, +135, 140

History *110, *120, 204, *210, *220, *221, *230, *235, *241, *242, *245, *246, *250, *255, *260, *265, *275

Humanities +107

Journalism 100

Kinesiology *+108, 211

Political Science 110, 210, 220, 230, *240, 250, 260, *+280

Psychology 101, *150, 251, 261, *+262, 265, 271, +275

Sociology 101, *110, *120, 201, +202, 205, *+210, 215, 230, 250

Women's and Gender Studies 101, *+105, +107, *+108, +115, 140, +202, +204, *205, +206, 209, 250

Transfer students who have fulfilled Area D requirements in their entirety (minimum 6 units) at another Community College or CSU Campus prior to American Government course. Please see your counselor to learn about the waiver procedure.

E. Self-Development: 3 units minimum. Take one course from the following:

Anthropology *+205

Child Development *110 Counseling
200

Health Education 100, 101, +103, 105

Health Occupations 152, +245

Kinesiology 104, *+108

Psychology *150, +245, 278

Reading 101

Sociology *110, *120

Women's and Gender Studies +103, *+108, *+205

F. Ethnic Studies

*Africana Studies 105

*+Geography 135

Associate of Arts Degree for General Education 2022-2023 Plan C Intersegmental General Education Transfer Curriculum (IGETC) For Transfer to UC and CSU

Plan C is designed primarily for students who intend to transfer to the University of California (UC) or are undecided between transferring to the UC or the California State University (CSU). Students may use this plan to combine completion of both the A.A. degree general education requirements and the IGETC General Education requirements.

The purpose of IGETC is to provide an option for students to fulfill lower division general education requirements prior to transferring to a UC or CSU campus.

Depending upon the student's major and campus choice, it may be advantageous to complete the requirements of the specific campus the student plans to attend. In general, it is not advisable for transfer students preparing for majors at any UC campus requiring a high number of units, such as engineering and science, to use IGETC.

Plan C can be fulfilled by completing the IGETC requirements specified for either the UC or CSU.

A letter grade of "C" or higher is required in all Plan C courses.

To earn an Associate of Arts degree using Plan C, students must complete a minimum of 60 degree applicable units with a grade point average of "C" (2.0) or higher, which must include the specified general education requirements and designated courses for a major. The Health and Wellness Proficiency requirement must be completed (See description in Plan A).

If a student wishes only to transfer and is not seeking an A.A. degree, there are no proficiencies required for IGETC Certification. Credits from international transcripts will not be used to certify general education requirements for transfer. Partial certification may be possible if a student is missing no more than two courses. Please see a counselor for more information.

It should be noted that completion of IGETC is not required for admission to the UC or CSU.

AREA 1 ENGLISH COMMUNICATION

CSU: Courses from A, B, and C required. UC:
Courses from A and B required.

- A. ENGLISH COMPOSITION
(1 course, 3 semesters/4-5 quarter units)
English 100, 100S
- B. Critical Thinking-English Composition
(1 course, 3 semesters/4-5 quarter units)
Communication Studies 103
English 103, 110
Philosophy 103
Psychology 103
Reading 103
- C. Oral Communication (CSU ONLY)
(1 course, 3 semesters/4-5 quarter units)
Communication Studies 100, 120, 130, 132

AREA 2 MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

(1 course, 3 semesters/4-5 quarter units)
Mathematics 112+, 112S+, 114+, 115, 116+, 155+, 160+,
170+, 190, 225, 250
Psychology 210+

AREA 3 ARTS AND HUMANITIES

(3 courses, with at least one from A and one from B
below; 9 semesters/12-15 quarter units)

- A. ARTS
Architecture 112
Art 100, 101, 102, 103, 104, 105A, 105B, 106, 107, *+108,
*+109, 113, +118
Dance 100, 101
Film 159
Humanities *+108, *+109
Music 100, 101, 103, 104, 104B, 105, 180
Photography 160
Theatre 101, 102, 103, 104, 150
Women's and Gender Studies +118
- B. HUMANITIES
Africana Studies +226
American Sign Language 111, *220
Art *+108, *+109, 124, +125, +207
Chinese 102, 201, 202, 260
English 102, 106, 221A, 221B, 222, 223, 224, 225, +226,
227, 228, 230A, 230B, 231, 232, 233, 234, 235, 236, 237,
238, 239, 245, 246A, 246B, 248A, 248B, 249, 257
French 201, 202, 281, 282, 283, +285
German 102, 201, 202
History *+101, *+102, *+103, *110, *120, *+210, *230, *235,
*241, *242, *245, *246, *250, *255, *260, *265, *275
Humanities 100, 102, *+108, *+109, +125
Japanese 102
Philosophy 100, 102, 104, 105, 107, 108, +109, 130, 140,
200, 201, 203, 204, 205, 206
Photography 150
Political Science *240
Spanish 102+, 112+, 201, 202, 210, 245, 260, +285
Women's and Gender Studies 102, +109, +207

AREA 4 SOCIAL AND BEHAVIORAL SCIENCES

(3 courses from at least two disciplines or an interdisciplinary
sequence: 9 semesters/12-15 quarter units)

Africana Studies 105
American Sign Language *220
Anthropology 100, 120, 170, 200, 202, 203, +205, 206
Chicano Studies 101, +108
Child Development 110
Communication Studies 110, +115
Economics +101, +102, 201M, 202M
Education 205
Ethnic Studies +105, +205, +210, +275, +280
Environmental Policy 200
Geography 102, 105, 140
History *+101, *+102, *+103, +108, *110, *120, +204, *+210,
*230, *235, *241, *242, *245, *246, *250, *255, *260, *265,
*275
Humanities +107
Kinesiology +108
Political Science +101, +201, 210, 220, 230, *240, 280
Psychology 101, 150, 251, 261, +265, 271, +275
Sociology 101, 110, 120, 201, +202, 205, +210, 215, 250
Women's and Gender Studies 101, +105, +107, +108, +115,
140, +202, +204, +205, +206, 209, 250

AREA 5 PHYSICAL AND BIOLOGICAL SCIENCES

(2 courses, one from A and one from B below; at least one
course must include laboratory (lab); 7-9 semesters/9-12
quarter units)

- A. Physical Sciences
Astronomy 102+, 103+, 104, 105L (lab) 106
Chemistry 100+ (lab), 110+ (lab), 111 (lab), 112 (lab)
Earth Science 101, 102 (lab), 104, 104L (lab), 106, 106L
(lab), 110+ (lab)
Geography 101, 101L (lab), 103
Geology 101 (lab), 102, 102L (lab), 103, 103L (lab), 104
(lab), 201 (lab), 207L (lab), 208, 209
Physical Science 100+
Physics 100+ (lab), 101+ (lab), 102+ (lab), 201+ (lab), 202+

(lab), 203+ (lab)

B. Biological/Life Sciences

Anatomy and Physiology 120+ (lab), 150+ (lab), 151+ (lab),
200+ (lab), 201+ (lab)

Anthropology 115, 115L (lab)

Biology 115 (lab), 120+ (lab), 200 (lab), 201 (lab), 202

Botany 120 (lab)

Microbiology 200 (lab)

Psychology 241

Zoology 120 (lab)

* These courses appear in more than one category, but may be used only to satisfy one category.

+ A + preceding the course number means these courses are cross-listed with another course. See individual cross-listed course descriptions in the college catalog.

+ A + following the course number indicates there is a possible UC credit limitation for this course. UC credit limitations may apply for certain courses in IGETC, as well as other UC transferable courses which are not in IGETC. An explanation for each course which has credit limitations, appears in the college catalog course description. For details, see a counselor.

ADDITIONAL REQUIREMENTS

A. UC ONLY: Language other than English

There are several ways to satisfy this requirement. They include:

- a. Complete two years of the same foreign language in high school with a grade of "C-" or higher.
- b. Complete first college course in any foreign language or ASL 110.
- c. Earn a minimum score of 500 on an appropriate College Board Achievement Test in a foreign language.
- d. For other options, see your counselor.

B. CSU ONLY: The CSU has a specific American Institutions requirement that is separate from the general education requirements. Courses used to meet the American Institutions requirement may be used to satisfy requirements for the

IGETC, at the discretion of the receiving CSU campus. It is recommended that this requirement be met prior to transfer. The following will meet the CSU American Institutions requirement.

6 units, one course from Group 1 and one course from Group 2. Group

1: Chicano Studies +108

History 101+, 102+, 103+, +108

Group 2: Political Science 101+, 201+

C. The UC-bound student should be aware of the American history and institutions requirements at the campus of choice. Requirements may vary. See your counselor for details.

**ENGINEERING DESIGN TECHNOLOGY
CERTIFICATE OF ACHIEVEMENT**

Graduates of the ENGT program from Cerritos College find their work in such diverse areas as designing components, tooling and production systems for aircrafts, spaceships, medical devices / artificial organs, process/oil refineries equipment, robots, manufacturing systems, automotive, construction, machineries and general merchandise products. Our students can choose classes between 5 industry leading CAD systems, and become an expert mechanical designer in Fusion 360™, OnShape™, AutoCAD™, SOLIDWORKS™ or AutoDesk Inventor™.

Complete the Core Courses		Units
ENGT 116	Blueprint Reading	2
ENGT 117	Geometrical Dimensioning and Tolerancing	2
ENGT131	Design fundamentals Including 3D modeling	3
ET 101	Principles of Engineering Technology	3
MTT56	CNC Shop Inspection	2
And choose any of the courses listed below, for a total of at least 4 units:		
ARCH213	Introduction to 3D Computer Aided Graphics	3.5
ENGT103	Introduction to Engineering Design Using Inventor	3
ENGT137	Industrial Design and 3d Modelling in Fusion360	4
ENGT138	Introduction to Engineering Design Using AutoCAD	4
ENGT139	Cloud Based 3D Modeling with OnShape	4
ENGT257	Advanced Modeling Using Inventor	3.5
ENGT259	SolidWorks Introduction	4
ENGT260	Advanced Modeling Using SolidWorks	4
	TOTAL CERTIFICATE REQUIREMENTS	16.0-20.0

Recommended Electives:

In order to broaden their understanding of design for manufacturing and to further enhance understanding of selected topics in design technologies, students are encourage to take one or more of the recommended elective classes:
ENGT 102, ENGT104, ENGT105, ENGT 106, ENGT133, ENGT 137, ENGT 139, ENGT153, ENGT237, ENGT258, ENT261, ENGT262, ENGT263, ENGT 267, ET102, ET103, ET105, NPD100, NPD101, NPD102, NPD103, NPD105, MTT100, MTT180, MTT51, MTT62, MTT68, PMT100, PMT221, PMT51, PMT70, PMT76, PMT72, PMT59, WELD100, WMT101

AB 282**STEERING, SUSPENSION AND POWERTRAIN ANALYSIS FOR ESTIMATORS 1.0 UNIT**

Class hours: 1.0 Lecture/1.0 Laboratory

Recommendation: AB 59M or AB 181 or AB 281 or equivalent with a grade of "C" or higher or "Pass", or appropriate work experience.

This course is designed to assist the collision damage estimator, appraiser and student to better understand the process of analyzing steering and suspension damage from collisions. It builds on student knowledge gained from the prerequisite course and assists in mastery of steering and suspension damage analysis. Specialized procedures to verify steering and suspension alignment are practiced herein.

Transfer Credit: CSU

COS 61A**INTERMEDIATE COSMETOLOGY I 11.0 UNITS**

Class hours: 6.0 Lecture/15.0 Laboratory

Prerequisite: COS 60B with a grade of "C" or higher or "Pass".

This is an intermediate course in theory as it pertains to cosmetology. It provides an opportunity for the student to continue developing manipulative skills in thermal hairstyling, wet hairstyling, chemical waving, hair sculpturing, salesmanship, long hairstyling, chemical relaxing, make-up, conditioning, manicuring, and to gain knowledge of trichology, dermatology, and chemistry, as they relate to cosmetology. People skills, press and curl, hair design, and men's hairstyling will also be studied. Emphasis is placed on professionalism and client relationships.

COS 70B**INTERMEDIATE COSMETOLOGY 9.0 UNITS**

Class hours: 5.2 Lecture/12.5 Laboratory

Prerequisite: COS 60B or COS 70A with a grade of "C" or higher or "Pass". This is an intermediate course in technical and related theory as it pertains to cosmetology. It provides an opportunity for the student to consider developing manipulative skills in hair coloring, thermal hairstyling, chemical waving, chemical straightening, facials, make-up, manicuring. Emphasis is placed on professionalism and personal/ client relationships.

ETHN 135**ETHNIC STUDIES, SPACE, AND SOCIAL JUSTICE 3.0 UNITS**

Class hours: 3.0 Lecture

Ethnic Studies focuses on themes of social justice, social responsibility and social change. This course examines the intersections of race, ethnicity, and spatial exclusion in the United States. It focuses on the lived spatial experiences of Native American, African American, Asian American, and Latinx American identity groups and how these groups have responded to a long history of segregation, inequality, and exclusion. This course is not open to students who are enrolled or have received credit for GEOG 135.

Transfer Credit: CSU; UC

ETHN 262**THE PSYCHOLOGY OF OPPRESSION 3.0 UNITS**

Class hours: 3.0 Lecture

The goals of this ethnic studies course are to familiarize students with a psychological perspective on racism, prejudice, discrimination, and oppression, with a focus of the lived experiences on four historically marginalized groups, including: African Americans, Asian Americans, Latinx Americans, and Native Americans. It explores psychological theories applied to the experiences of the four core groups, as well as the current social justice and equity movements and their psychological impact on people of color. In addition, this course discusses the personal and social implications of diversity for both majority and minority group members and considers how historical, political,

economic, and societal factors shape the way people think about and respond to others. This course is not open to students who have enrolled or received credit in PSYC 262. Transfer Credit: CSU; UC

GEOG 135**ETHNIC STUDIES, SPACE, AND SOCIAL JUSTICE 3.0 UNITS**

Class hours: 3.0 Lecture

Ethnic Studies focuses on themes of social justice, social responsibility and social change. This course examines the intersections of race, ethnicity, and spatial exclusion in the United States. It focuses on the lived spatial experiences of Native American, African American, Asian American, and Latinx American identity groups and how these groups have responded to a long history of segregation, inequality, and exclusion. This course is not open to students who are enrolled or have received credit for ETHN 135.

Transfer Credit: CSU; UC

HED 204**OCCUPATIONAL WORK EXPERIENCE IN COMMUNITY HEALTH WORKER 1.0 UNIT**

Class hours: 1.0 Independent

Prerequisite: HED 201 or equivalent with a grade of "C" or higher or "Pass"

Study One unit of Occupational Work Experience in a community health setting requiring 60 non-paid hours or 75 paid hours of work per semester. Work Experience/Career Internship provides the opportunity for students to apply skills and knowledge learned in the classroom. This class will be required for the Certificate of Achievement in Community Health Worker. It will provide occupational experience for the student before entering the workforce. Work experience courses may be taken for a maximum of 8 units per semester. The total work experience units taken by a student may not exceed 16 units. This creates greater communication with increased understanding between the students/workers, the college, and the employers. First semester students meet with their instructors for a minimum of one hour per week. Students also pursue a program of self-evaluation to determine individual job weaknesses and strengths. Semester projects that relate to their major and job skills must be completed on the job/training site. Students will meet weekly with the instructor until their approved projects are completed.

Transfer Credit: CSU; UC

PSYC 262**THE PSYCHOLOGY OF OPPRESSION 3.0 UNITS**

Class hours: 3.0 Lecture

The goals of this ethnic studies course are to familiarize students with a psychological perspective on racism, prejudice, discrimination, and oppression, with a focus of the lived experiences on four historically marginalized groups, including: African Americans, Asian Americans, Latinx Americans, and Native Americans. It explores psychological theories applied to the experiences of the four core groups, as well as the current social justice and equity movements and their psychological impact on people of color. In addition, this course discusses the personal and social implications of diversity for both majority and minority group members and considers how historical, political, economic, and societal factors shape the way people think about and respond to others. This course is not open to students who have enrolled or received credit in ETHN 262.

Transfer Credit: CSU; UC

All courses on this page are Title V Associate Degree applicable/credit courses unless otherwise noted.