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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.
   1. Physical Sciences
      Astronomy 102, 103, 104, 105 (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
      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.

1. Fine Arts
   Architecture 112
   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, 170
   TVT 151/TH 151, TVT 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
   Humanities 100, 102, +108, +109, +125

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D. Social Sciences: 6 units minimum.
   Take one course from category 1 and one course from category 2.

   1. 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
      Environmental Policy 200
      Geography 102, 105, +135, 140
      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

   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. Ethnics Studies
   *Africana Studies 105
   +Geography 135
   +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.
Associate of Arts Degree for General Education
2022-2023
Plan C Intersegmental General Education Transfer Curriculum (IGETC) For Transfert 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)
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
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
French 201, 202, 281, 282, 283, +285
German 102, 201, 202
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
Chicana 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
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
advisor.

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 advisor.

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™, SOLIDWORKSTM or AutoDesk Inventor™.

Complete the Core Courses

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<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ENGT 116</td>
<td>Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>ENGT 117</td>
<td>Geometrical Dimensioning and Tolerancing</td>
<td>2</td>
</tr>
<tr>
<td>ENGT 131</td>
<td>Design fundamentals Including 3D modeling</td>
<td>3</td>
</tr>
<tr>
<td>ET 101</td>
<td>Principles of Engineering Technology</td>
<td>3</td>
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<tr>
<td>MTT56</td>
<td>CNC Shop Inspection</td>
<td>2</td>
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And choose any of the courses listed below, for a total of at least 4 units:

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<th>Title</th>
<th>Units</th>
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<td>ARCH213</td>
<td>Introduction to 3D Computer Aided Graphics</td>
<td>3.5</td>
</tr>
<tr>
<td>ENGT103</td>
<td>Introduction to Engineering Design Using Inventor</td>
<td>3</td>
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<tr>
<td>ENGT137</td>
<td>Industrial Design and 3d Modelling in Fusion360</td>
<td>4</td>
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<tr>
<td>ENGT138</td>
<td>Introduction to Engineering Design Using AutoCAD</td>
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<td>ENGT139</td>
<td>Cloud Based 3D Modeling with OnShape</td>
<td>4</td>
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<tr>
<td>ENGT257</td>
<td>Advanced Modeling Using Inventor</td>
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<td>ENGT259</td>
<td>SolidWorks Introduction</td>
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<tr>
<td>ENGT260</td>
<td>Advanced Modeling Using SolidWorks</td>
<td>4</td>
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</tbody>
</table>

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 encouraged 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, P1MT100, P1MT221, P1MT51, P1MT70, P1MT76, P1MT72, P1MT59, WELD100, WMT101
AB 262
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 sculpting, salesmanship, long hairstyling, chemical relaxing, make-up, conditioning, manicuring, and to gain knowledge of tricology, 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 have 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.

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