

# Degree, Graduation, & Transfer Information

## ASSOCIATE DEGREES

The awarding of an Associate Degree represents more than an accumulation of units. It symbolizes a thoughtful attempt on the part of Cabrillo College to introduce students to patterns of learning experiences designed to develop specific capabilities and insights described by the four college core competencies. A student earning an Associate Degree from Cabrillo will be competent in:

- **Communication** (Reading, Writing, Listening, Speaking, and/or Conversing)
- **Critical Thinking and Information Competency** (Analysis, Computation, Research, Problem Solving)
- **Global Awareness** (An Appreciation of Scientific Complexities, Social Diversity and Civics, and Artistic Variety)
- **Personal Responsibility and Professional Development** (Self-Management and Self-Awareness, Social and Physical Wellness, Workplace Skills)

An Associate in Arts Degree (A.A.) may be in a specific field, or in Liberal Arts and Sciences with an emphasis in Interdisciplinary Studies. In 1998, Cabrillo established two new transferable Associate in Arts Degrees that combine the admissions requirements of either the University of California (UC) or the California State University (CSU) with Cabrillo graduation requirements. Please see the Combined Requirements for the A.A./A.S. and Intersegmental General Education Transfer Curriculum (IGETC) or the Combined Requirements for the A.A./A.S. and California State University General Education.

The Associate in Science Degree (A.S.) is oriented to occupational programs (for those who seek employment with a two-year degree), and those who are in natural, physical, and applied science majors. For a detailed list of relevant transfer majors, see the chart of degrees and certificates at the end of this *Catalog* section. In some majors, a student may choose to earn either an Associate in Arts or an Associate in Science Degree.

The completion of an Associate in Arts or an Associate in Science Degree does not ensure that a student can transfer directly to a four-year college or university. Students interested in transferring should consult a counselor and the *Catalog* of the institution to which transfer is intended. Units gained in 200 level courses will not count towards the Associate Degree. General Education courses from regionally accredited colleges or universities that have an equivalent at Cabrillo will be used in the area that best serves the student; either the general education area designations of the original institution or the pattern offered by Cabrillo.

## GOALS AND COMPETENCIES COMMON TO ALL NON-TRANSFERABLE ASSOCIATE DEGREES

### GOALS:

#### A-1: ENGLISH LANGUAGE

Goal: To ensure that Cabrillo graduates read, write, and speak critically and competently. Since acquiring and refining literacy is an ongoing process reinforced through writing-intensive courses, students should complete Area A requirements early in their studies. Speaking and listening skills are reinforced through multiple opportunities for interpersonal communication and small group discussion in Area A courses.

#### Students will be able to:

Understand and demonstrate the writing and speaking processes through invention, organization, drafting, revision, editing, and presentation. In so doing, students will learn to:

- a) Develop a topic, using abundant detail and example and using non-narrative writing techniques, including comparison, summary, argument, analysis, and definition
- b) Unify essays through natural and logical transitions
- c) Show control of all major conventions of Standard English grammar, usage, and punctuation.

#### A-2: COMMUNICATION AND CRITICAL THINKING

Goal: To develop thinkers who are able to construct arguments utilizing factual, creative, and rational modes of thought and using words, symbols, and numbers as appropriate. To integrate new skills into their customary manner of thinking, students must be actively engaged in practicing thinking skills and applying them to open-ended as well as practical problems.

#### Students will be able to:

- a) Gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected
- b) Identify premises, conclusions, claims, assumptions, and biases in one's own argument as well as in the arguments of others
- c) Avoid errors in reasoning and unexamined assumptions and identify them in the arguments of others
- d) Imagine and seek out a variety of possible goals, assumptions, interpretations, or perspectives that can give alternative meanings or solutions to given situations or problems

- e) Recognize and articulate the value assumptions which underlie and affect decisions, interpretations, and evaluations made by ourselves and others.

**Area B-1 SCIENTIFIC INQUIRY - PHYSICAL UNIVERSE**

Goal: To improve students' understanding of natural science principles and of the ways in which scientists investigate natural science phenomena.

**Students will be able to:**

- a) Effectively communicate ideas from the physical sciences
- b) Understand and apply the scientific method in the physical sciences
- c) Demonstrate understanding of scientific theories from the physical sciences
- d) Apply physical models to explain the behavior of commonly occurring phenomena
- e) Articulate how measurement errors impact the application of scientific models.

**Area B-2 SCIENTIFIC INQUIRY - LIFE FORMS**

Goal: To improve students' understanding of complex and varied life forms and life processes.

**Students will be able to:**

- a) Effectively communicate concepts from the biological sciences
- b) Understand and apply the scientific method in the biological sciences
- c) Demonstrate understanding of scientific principles from the biological sciences
- d) Apply biological principles to interpret the observations of the natural world.

**Area B-3 SCIENTIFIC INQUIRY - LABORATORY SCIENCES**

**Area C: ARTS AND HUMANITIES**

Goal: To enrich and expand students' knowledge of the human condition and human cultures, especially in relation to behavior, ideas, and thought. Through study in the disciplines of literature, philosophy, and the fine and performing arts, students will engage in critical analysis, develop aesthetic judgments, and learn to appreciate the arts and humanities. Students will learn respect for cultural diversity and value the multiple voices which contribute to the health and vitality of society.

**Students will be able to:**

- a) Demonstrate awareness of the scope and variety of works in the arts and humanities
- b) Critically appreciate those works as expressions of individual and universal values within historical, social, and cultural contexts
- c) Analyze the aesthetic qualities of works in the arts and humanities
- d) Engage in the creative process of linguistic expression, philosophical reasoning, fine and performing arts, and analytical and creative writing
- e) Develop and express informed personal responses to works in the arts and humanities.

**Area D: SOCIAL SCIENCES**

Goal: To increase students' knowledge of how historians and social and behavioral scientists discover, describe, and explain the behaviors

and interactions among individuals, groups, institutions, events, and ideas. Such knowledge will better equip students to understand themselves and the roles they play in addressing the issues facing humanity.

**Students will be able to:**

- a) Employ the methods and data that historians and social/behavioral scientists commonly use to investigate the human condition
- b) Identify important information resources in history and the social/behavioral sciences
- c) Examine institutions and processes across a range of historical periods and social settings
- d) Use and critique models and methods for explaining behavior
- e) Articulate and analyze alternative approaches to the solution of contemporary social issues.

**AMERICAN INSTITUTIONS REQUIREMENT**

For the Associate in Arts degree, a U.S. History course and a designated (\*) U.S. Political Science course are required; for the Associate in Science degree, a U.S. History or a designated (\*) U.S. Political Science course is required. The courses may also be used to meet Area D requirements.

**Area E: LIFELONG LEARNING AND SELF DEVELOPMENT**

Goal: To increase students' knowledge and understanding of self, others, and interpersonal relationships from a physiological, psychological, and/or social context throughout the life cycle.

**Students will be able to:**

- a) Develop the abilities to synthesize course material, including theoretical frameworks and their applications
- b) Assess themselves and others in relationship to course content
- c) Develop the ability to apply self-selected course concepts for increased efficacy in their lives.

**MULTICULTURAL STUDIES REQUIREMENT**

Goal: To promote critical thinking and enrich students' understanding of cultural diversity by studying under-represented ethnic and racial groups in the country of their origin or in the United States.

**Students will be able to:**

- a) Analyze their own attitudes, behaviors, and beliefs regarding diversity and bias
- b) Demonstrate an appreciation for diversity and multiculturalism, one that allows for the development of skills leading to effective communication and satisfactory social relations
- c) Recognize the historical experiences of ethnic and racial groups in the United States who have been targets of individual and institutional racism and classism
- d) Recognize the contributions to American society and culture made by ethnic groups who have suffered discrimination and exclusion
- e) Explore the development of group and individual identity within unequal power relations while addressing the unique historical and contemporary responses from within each group.

**MATHEMATICS COMPETENCY REQUIREMENT**

Goal: To promote critical thinking and logical reasoning while developing problem solving skills by studying the structure of the real number system.

**Students will be able to:**

- Show a basic sense of numbers, including approximation and estimation
- Manipulate algebraic symbols and work a variety of basic algebra problems
- Translate problem situations into an appropriate representation and use that representation to solve the problem at hand
- Interpret, understand, and explain mathematical problems in verbal, numerical, symbolic, and graphical settings
- Understand the connections of mathematics to other disciplines.

The Mathematics Requirement may be met by successful completion of intermediate algebra or equivalent or a higher-level mathematics course with a grade of "C" or better. Successful completion must be verified by an official college transcript or by an appropriate score on the Cabrillo Mathematics Assessment.

**MAJOR REQUIREMENTS**

The major may be in a specific field or in Liberal Arts and Sciences with an emphasis in Interdisciplinary Studies. Students should see a counselor for help in developing a major program of study.

**ELECTIVES**

Elective units, in addition to general education and major units, may be needed to complete the required total of sixty (60) semester units.

**NOTES COMMON TO ALL NON-TRANSFERABLE ASSOCIATE IN ARTS AND ASSOCIATE IN SCIENCE DEGREES:**

- Sixty (60) degree-applicable units (courses numbered 1-199) are required for completion of the degree.
- All courses that count toward the Associate Degree major or area of emphasis must be "satisfactorily completed" with grades of A, B, C or P (pass). Courses that count toward the Math and English competencies must be completed with a "C" or better. All degree requirements, including general education, must be completed with an overall grade point average of 2.0 or better. Courses may be used to satisfy both the major and general education requirements. The units will be counted only once for the degree.
- Twelve (12) semester units may be pass ("P") grades instead of letter grades. (These 12 units can be in addition to those courses regularly using Pass/No Pass grading.)
- At least twelve (12) of the required sixty (60) semester units must be completed in residence at Cabrillo College.
- A B.A./B.S. degree from a regionally accredited college or university will satisfy all general education and competency requirements for Cabrillo's non-transfer A.A. and A.S. degrees, with the exception of the Multicultural Requirement, and program specific graduation requirements.

**REQUIREMENTS FOR THE NON-TRANSFERABLE ASSOCIATE IN ARTS (A.A.) DEGREE****General Education Requirements****30 units:****Area A: English Language, Communication and Critical Thinking**

A-1: English Language

**Select 3 units from:** English 1A, 1AH, #1AMC, #1AMCH Must be completed with a "C" or better.

**A-2: Communication and Critical Thinking**

**Select 3 units from:** Business 5, 9; Communication Studies 1, 1H, 2, 4, 10; Computer Science 1, 11; English 1B, 1BH, #1BMC, 2, 2H, #2MC, #2MCH, Mathematics (any, excluding 200 level courses); Philosophy 12, 49; Psychology 2A

**Area B: Scientific Inquiry**

B-1: Physical Universe

**Select 3 units from:** Astronomy 3, 4, 7, 8A\*; Chemistry 1A\*, 1B\* 3, 3L\*(2\*), 5\*, 10\*, 12A, 12AL\*, 12B, 12BL\*, 30A\*, 30B\*; 32\*; Engineering 3; Environmental Science 10, 10L\*; Geography 1, 1L\*; Geology 10\*, 15, 20\* 25; Meteorology 1, 1L\*; Oceanography 10\*, Physics 2A\*, 2B\*, 4A\*, 4B\*, 4C\*, 4D, 10, 10L\*, 11\*, 12

**B-2: Life Forms**

**Select 3 units from:** Anthropology 1, 1H, 1L\*; Biology 4\*, 5\*, 6\*, 9A\*, 9B\* (BIO 1ABC\*), 11A\*, 11B\*, 11C\*, 13A, 13AL\*, 31; Horticulture 1A\*, 1B\*; Psychology 4, 4L\*

**B-3: Laboratory Science**

Laboratory courses above are marked with an asterisk (\*); one lab science is required.

**Area C: Arts and Humanities**

**Select 6 units from at least two different departments:** American Sign Language (SLS) 1, 2, 3; Art 2A, 4, 5, 7A, 8A, 24; Art Photography 9A, #15; #35, #55; Art History 10, 11, 11H, 12, 13, 13H, 14, #16, #17, #18, #19, 20A, 20B, #52, 53; Dance #1; Digital Media 3; English 1B, 1BH, #1BMC, 12A, 12B, 12C, 12E, 12F, #24A, #24B, 30A, 30B, 34, #39, #40, #41A, #45, 46A, 46B, 48A, 49A, 49B; French 1, 2, 3, 10; German 1, 2; History #2A, #2B, 4A, 4AH, 4B, 4BH; Italian 1, 2, 3, 10; Japanese 1, 2; Music 1, 5, 6, 10, #11A, #11LA, #12, #13A, 17A, 33A, 36, 38, 40, 46, 49, 51A, 58, 77; Philosophy 4, 6, 7, 8, 9, 10, 10H, #14, #15, 16, #17, 18; Spanish 1, 2, 3, 4, 5A, 6A, 6B, 10A, 10B, 16, 17, 25, 26, #30B; Theatre Arts 7, #8, 9, 10A, 28, 29

**Area D: Social Sciences**

**1) Select one U.S. History course from:** History 14, 14H, 15, 17A, 17AH, 17B, 17BH, #21A, #21AH, #21B, #21BH, #29A, #29B

**2) Select one U.S. Political Science course from:** PS 1, 1H, 5

**3) Select a third course from:** Anthropology #2, #2H, #3, #6, #7, #8, #17; Bilingual/Bicultural Studies #32; Communication Studies 7, #12; Early Childhood Education 31, 32, #52; Economics 1A, 1B; Geography #2, #4, 5; Health Science 15; History #2A, #2B, 4A, 4AH, 4B, 4BH, #6, 9, 11, 14, 14H, 15, #16A, #16B, #16C, 17A, 17AH, 17B, 17BH, #19B, #19C, #21A, #21AH, #21B, #21BH, 24, #29A, #29B; Journalism 21; Political Science 1, 1H, 2, 3, 5; Psychology 1, 1H, 2B, 6, 8, 12, 26, 31, 33; Sociology 1, 1H, #2, #2H, #3, 5, #8, #9, 10, 47; Women's Studies 1, #2, #5, 11

**Area E: Lifelong Learning and Self-Development**

**Select 3 units from:** Communication Studies 7, #12, #14; Culinary Arts and Hospitality Management 20; Counseling & Guidance 1, 51 (beg. F'14), 52, 54, 58, 59; Early Childhood Education 31, 33; Health Science 10, 12, 15, 21, 22, 24; Psychology 33, 35ABC, 39ABC; Sociology 5; Women's Studies 1; DD214 (Military Credit).

Note: Beg. F'13, select ATH, DANCE and KIN Activity courses may also be used to meet Area E, when combined with other non-activity Area E units from the CG or ECE departments.

**Multicultural Requirement:**

Choose one course marked with a # or ENGR 98A + 98B. This area may be double counted.

**Mathematics Competency Requirement:**

May be met by successful completion of Intermediate Algebra (MATH 142 or 152) or equivalent, or a higher-level math course with a grade of "C" or better.

**Major Requirements: 18 units**

Select 18 units in the major or Interdisciplinary Studies emphasis. Disciplines in the *Catalog* outline "Suggested Model Programs" for the major.

**Electives: 1-10 units**

Select from courses numbered 1-199.

**REQUIREMENTS FOR THE NON-TRANSFERABLE ASSOCIATE IN SCIENCE (A.S.) DEGREE**
**General Education Requirements 21 units**
**Area A: English Language, Communication and Critical Thinking**

A-1: English Language

**Select 3 units from:** English 1A, 1AH, #1AMC, #1AMCH Must be completed with a "C" or better. Note: ENGL 100 will meet this requirement for students with *Catalog* rights prior to F, 08.

**A-2: Communication and Critical Thinking**

**Select 3 units from:** Business 5, 9; Communication Studies 1, 1H, 2, 4, 10; Computer Science 1, 11; English 1B, 1BH, #1BMC, 2, 2H, #2MC, #2MCH, Mathematics (any, excluding 200 level courses); Philosophy 12, 49, Psychology 2A  
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**Area B: Scientific Inquiry**

Select 3 units from:

**B-1: Physical Universe**

Astronomy 3, 4, 7, 8A\*; Chemistry 1A\*, 1B\*, 3, 3L\* ( 2\*), 5\*, 10\*, 12A, 12AL\*, 12B, 12BL\*, 30A\*, 30B\*, 32\*; Engineering 3; Environmental Science 10, 10L\*; Geography 1, 1L\*; Geology 10\*, 15, 20\* 25; Meteorology 1, 1L\*; Oceanography 10\*; Physics 2A\*, 2B\*, 4A\*, 4B\*, 4C\*, 4D, 10, 10L\*, 11\*, 12

**B-2: Life Forms**

Anthropology 1, 1H, 1L\*; Biology 4\*, 5\*, 6\*, 9A\*, 9B\* (BIO 1ABC\*), 11A\*, 11B\*, 11C\*, 13A, 13AL\*, 31; Horticulture 1A\*, 1B\*; Psychology 4, 4L\*

**B-3: Laboratory Science**

Laboratory courses above are marked with an asterisk (\*); a lab science is recommended.

**Area C: Arts and Humanities**

**Select 3 units from:** American Sign Language 1, 2, 3; Art 2A, 4, 5, 7A, 8A, 24; Art Photography 9A, #15, #35, #55; Art History 10, 11, 11H, 12, 13, 13H, 14, #16, #17, #18, #19, 20A, 20B, #52, 53; Dance #1; Digital Media 3; English 1B, 1BH, #1BMC, 12A, 12B, 12C, 12E, 12F, #24A, #24B, 30A, 30B, 34, #39, #40, #41A, #45, 46A, 46B, 48A, 49A, 49B; French 1, 2, 3, 10; German 1, 2; History #2A, #2B, 4A, 4AH, 4B, 4BH; Italian 1, 2, 3, 10; Japanese 1, 2; Music 1, 5, 6, 10, #11A, #11LA, #12, #13A, 17A, 33A, 36, 38, 40, 46, 49, 51A, 58, 77; Philosophy 4, 6, 7, 8, 9, 10, 10H, #14, #15, 16, #17, 18; Spanish 1, 2, 3, 4, 5A, 6A, 6B, 10A, 10B, 16, 17, 25, 26, #30B; Theatre Arts 7, #8, 9, 10A, 28, 29

**Area D: Social Sciences**

**1) Select 3 units from:** History 14, 14H, 15, 17A, 17AH, 17B, 17BH, #21A, #21AH, #21B, #21BH, #29A, #29B, PS 1, 1H, 5

**2) Select 3 units from:** Anthropology #2, #2H, #3, #6, #7, #8, #17; Bilingual/Bicultural Studies #32; Communication Studies 7, #12; Early Childhood Education 31, 32, #52; Economics 1A, 1B; Geography #2, #4, 5; Health Science 15; History #2A, #2B, 4A, 4AH, 4B, 4BH, #6, 9, 11, 14, 14H, 15, #16A, #16B, #16C, 17A, 17AH, 17B, 17BH, #19B, #19C, #21A, #21AH, #21B, #21BH, 24, #29A, #29B; Journalism 21; Political Science 1, 1H, 2, 3, 5; Psychology 1, 1H, 2B, 6, 8, 12, 26, 31, 33; Sociology 1, 1H, #2, #2H, #3, 5, #8, #9, 10, 47; Women's Studies 1, #2, #5, 11

**Area E: Lifelong Learning and Self-Development**

**Select 3 units from:** Communication Studies 7, #12, #14; Culinary Arts and Hospitality Management 20; Counseling & Guidance 1, 51 (beg. F'14), 52, 54, 58, 59; Early Childhood Education 31, 33; Health Science 10, 12, 15, 21, 22, 24; Psychology 33, 35ABC, 39ABC; Sociology 5; Women's Studies 1; DD214 (Military Credit).

Note: Beg. F'13, select ATH, DANCE and KIN Activity courses may also be used to meet Area E, when combined with other non-activity Area E units from the CG or ECE departments.

**Multicultural Requirement:**

Choose one course marked with a # or ENGR 98A + ENGR 98B. This area may be double counted.

**Mathematics Competency Requirement:**

May be met by successful completion of Intermediate Algebra (MATH 142 or 152) –or equivalent, or a higher-level math course with a grade of "C" or better.

Select 30 units in the major or Interdisciplinary Studies emphasis. See the *Catalog* description for requirements for the major.

The A.S. Degree major is a specialized major and should be planned with the aid of a counselor or faculty advisor.

**Electives: 1-10 units**

Select from courses numbered 1-199.

**Programs for Occupational Associate in Science (A.S.) Degrees**

Cabrillo College occupational majors are listed alphabetically in this *Catalog* and are followed by program requirements. Exceptions or substitutions to program requirements must be approved by the Program Chair.

**REQUIREMENTS FOR A SECOND ASSOCIATE DEGREE**

Multiple Associate Degrees can be awarded within one occupational program unless otherwise stated in the specific program description of this *Catalog*. To be eligible for multiple Associate Degrees at Cabrillo College, a student must satisfactorily complete all the requirements of the majors with at least a 2.0 grade point average. In addition, students must complete at least ten (10) units in coursework specific to their major requirements (as per the suggested programs in the Cabrillo College *Catalog*) that are not replicated in the major requirements for any other degree they seek or possess.

The requirement for ten (10) units of unreplicated coursework in the major is waived for students who have been awarded a transferable

degree from Cabrillo College and subsequently want to achieve an Associate Degree for Transfer (A.A.-T/A.S.-T) in that discipline under the following conditions:

1. The student is applying to transfer to a CSU for the following spring or fall term; and
2. The student meets the requirements for the A.A.-T/A.S.-T

Transferable A.S. degrees are available in Astronomy, Biology, Chemistry, Computer Science, Engineering, General Science, Geology, Mathematics or Physics. Thirty (30) units minimum are required in the major using the *Catalog* model program or the transfer requirements at [www.assist.org](http://www.assist.org) as a guide.

Transfer students must also meet the admissions requirements of the 4-year transfer university. Please see the handout in the Transfer/Career Center entitled "Essential Transfer Information" or follow the Combined Requirements for the IGETC A.A./A.S. or the Combined Requirements for the CSU GE A.A./A.S.. These requirements are listed in the following pages of this *Catalog*.



## Associate Degree for Transfer

*A Degree with a Guarantee.™*

### Associate Degrees for Transfer - A.A.-T/A.S.-T

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "Associate Degree for Transfer," a newly established variation of the Associate Degrees traditionally offered at a California community college. The Associate in Arts for Transfer (A.A.-T) or the Associate in Science for Transfer (A.S.-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (A.A.-T or A.S.-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the A.A.-T or A.S.-T for a similar major will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

#### The following is required for all A.A.-T or A.S.-T degrees:

1. Completion of 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.
3. Completion of a minimum of 18 semester units in an "A.A.-T" or "A.S.-T" major as detailed in the catalog. All courses in the major must be completed with a letter grade of "C" or better, or a "P" if the course is taken on a "Pass/No Pass" basis.
4. Certified full completion of the California State University General

Education-Breadth pattern (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC for CSU) pattern.

Cabrillo offers several A.A.-T/A.S.-T degrees and more are under development. For more information, see a counselor. View information at: [www.cabrillo.edu/services/articulation/adtddegrees.html](http://www.cabrillo.edu/services/articulation/adtddegrees.html)

#### Transfer Requirements for UC & CSU

Students who plan to transfer should note that each college and university has its own admission, general education, and lower-division major requirements that must be completed prior to transfer, and these requirements vary greatly from institution to institution.

#### General Education Requirements

General Education Requirements are a major portion of all degree programs. Students have several options for completing General Education Requirements depending on the degree they plan to attain, and the campus or institution to which they plan to transfer. Following are the general education patterns most commonly followed by Cabrillo transfer students:

1. California State University's (CSUs) General Education Requirements for a B.A./B.S. This general education pattern fulfills the lower-division general education required by the CSU System. By following the Combined Requirements for the Associate Degrees and CSU General Education detailed below (and on the yellow handout available in the Counseling offices and the Transfer/Career Center), students complete the admissions requirements, the lower-division general education, and the lower-division major preparation (if planned correctly) needed for admission to the California State University.
2. Intersegmental General Education Transfer Curriculum (IGETC) for a B.A./B.S. Degree at any of the University of California (UC) or California State University (CSU) campuses. This general education pattern fulfills the lower-division general education requirements for either the California State University or the University of California systems. By following the Combined Requirements for the Associate Degrees and the IGETC detailed below (and on the lavender handout available in the Counseling offices and the Transfer/Career Center) students complete the admissions requirements, the lower-division general education, and the lower-division major preparation (if planned correctly) needed for admission to either the California State University or the University of California systems. The UC system puts restrictions on the use of IGETC for some majors, check ASSIST ([www.assist.org](http://www.assist.org)) or a Cabrillo College counselor for advisement.
3. For each campus of the University of California, a student may complete the General Education pattern specific to that campus. The UC Santa Cruz General Education Requirements for a B.A./B.S. Degree, as well as other universities' campus specific General Education patterns can be found on ASSIST at [www.assist.org](http://www.assist.org). Campus specific general education patterns do not incorporate the admission requirements for the University. Students following these patterns must make sure that they have also fulfilled the UC requirements for admission.

**Students should consult with a Cabrillo counselor to determine which general education pattern is appropriate given their academic goals.**

## TRANSFER TO THE UNIVERSITY OF CALIFORNIA

Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara, Santa Cruz

### Admission Requirements for Transfer Students

For admission to the University of California (UC) as a transfer student, students must complete:

- 60 UC transferable semester units (minimum)
- 2.4 minimum grade point average; to be competitive at all nine undergraduate campuses, students should have a 3.0 grade point average or higher. (UC Berkeley and UCLA both require a GPA higher than a 3.5 to be competitive.) Information on course transferability is included in each course description in the Cabrillo Catalog and Schedules of Classes.
- One UC transferable college course in mathematics that has a pre-requisite of Intermediate Algebra or an approved pre-statistics course. (Note: MATH 3 and MATH 15 do not meet the UC Math Admission requirement).
- Two approved UC transferable courses in English composition.
- Four approved UC transferable courses chosen from at least 2 different subject areas:
  - Arts & Humanities
  - Social and Behavioral Sciences
  - Physical and Biological Sciences

These specific requirements must be passed with grades of “C” or higher. The University of California will accept a maximum of 70 UC transferable semester units from California Community Colleges.

### General Education Requirements

Students have two options in completing the general education requirements for the University of California.

**Option 1)** The Combined Requirements for the Associate Degrees and IGETC. This option allows students to complete both the IGETC requirements and the requirements for an Associate Degree. The IGETC is accepted at all campuses of both the University of California and the California State University provided the entire curriculum (39-42 units) is completed prior to transfer.

**Option 2)** Each campus of the University of California has its own campus-specific general education requirements. Prospective transfer students should visit the Transfer/Career Center in Building 100 to look up the campus specific general education requirements via [www.assist.org](http://www.assist.org) or to examine the *Catalog* of the campus to which they plan to transfer for specific general education requirements. Students should meet with a Cabrillo counselor to assist them in choosing their general education option.

### Lower-Division Major preparation

To determine the lower-division courses required for a specific campus and major, students should refer to ASSIST ([www.assist.org](http://www.assist.org)) which is bookmarked on the Internet stations in the Cabrillo Transfer/Career Center. If a UC campus has not posted this information in ASSIST, students should refer to the UC *Catalog* to determine the lower-division courses required for their major. Determining lower-division major preparation for a given campus and major can be complex, and requirements change frequently. It is strongly advised that students meet with a Cabrillo counselor to assist them with this process.

### Transfer Admission Guarantee (TAG)

While eligible students can be admitted to any UC campus, Cabrillo has special transfer admission agreements (TAGs) with Davis, Irvine, Merced, Riverside, Santa Barbara, and Santa Cruz. Students who are qualified may write a TAG agreement to one UC campus which guarantees admission to that campus. All TAGs will be submitted on-line. Students may begin working on the agreements beginning July 1, 2016, and must submit during the month of September. Contact the Counseling office at (831) 479-6274 or the Transfer/Career Center for more information.

A UCSC transfer advisor has regularly scheduled office hours at Cabrillo. Appointments can be scheduled in the Transfer/Career Center, Building 100. For more information, contact the Cabrillo College Transfer/Career Center at (831) 479-6385.

### TRANSFER TO INDEPENDENT OR OUT-OF-STATE COLLEGES AND UNIVERSITIES

At Cabrillo College, we prepare students not only for the UC and CSU systems, but for any four-year college or university in the country. In the past few years, Cabrillo has transferred students to Stanford, Santa Clara, New York University, Sarah Lawrence, Harvard, Yale, Duke, and many other independent and out-of-state colleges and universities. For more information, contact the Cabrillo College Transfer/Career Center for research or an appointment (831) 479-6385.

### TRANSFER TO THE CALIFORNIA STATE UNIVERSITY SYSTEM

Bakersfield, Chico, Channel Islands, Dominguez Hills, Fresno, Fullerton, East Bay, Humboldt, Long Beach, Los Angeles, Maritime Academy, Monterey Bay, Northridge, Cal Poly Pomona, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, Cal Poly San Luis Obispo, San Marcos, Sonoma, Stanislaus

### Admission Requirements for CSU Transfer Students

For admission to the California State University as a transfer student, students must complete:

- 60 CSU transferable semester units (any course numbered 1-99).
- 2.0 minimum grade point average; most campuses are more selective and will require a higher grade point average. (San Diego State and Cal Poly San Luis Obispo require a 3.2 or above to be competitive). Information on course transferability is included in each course description in the Cabrillo College Catalog and Schedules of Classes.
- One transferable college course in mathematics that has a pre-requisite of Intermediate Algebra, or an approved pre-statistics course.
- One transferable English composition course.
- One critical thinking course.
- One course in Communication.

These specific requirements must be passed with grades of “C” or higher. The university will accept a maximum of 70 CSU transferable semester units from California Community Colleges.

### General Education Requirements

Students have two options in completing the general education requirements for the California State University.

**Option 1)** The CSU General Education Requirements. These requirements consist of 39 semester units, which can be completed at Cabrillo College. Students are required to complete a minimum of 30 of the 39 units prior to transfer, however, it is in a student’s best interest to

complete all 39 prior to transfer. Please refer to The Combined Requirements for the Associate Degrees/CSU GE requirements. This Associate Degree allows students to complete the admissions, general education and major preparation requirements (with good planning) for the CSU campus of their choice and receive an Associate Degree.

**Option 2)** The Intersegmental General Education Transfer Curriculum (IGETC) is accepted at all campuses of both the California State University and the University of California provided the entire curriculum (39-42 units) is completed prior to transfer (please refer to the information about the Transferable Associate Degree/IGETC above). Students should meet with a Cabrillo counselor to assist them in choosing their general education option.

### Lower-Division Major Preparation

To determine the lower-division courses required for a specific campus and major, students should refer to the ASSIST ([www.assist.org](http://www.assist.org)). These sites are bookmarked on the Internet stations in the Cabrillo Transfer/Career Center, the 100 Building. If a CSU campus has not posted this information in ASSIST or on their campus websites, students should refer to the CSU *Catalog* to determine the lower-division courses required for their major. Determining lower-division major preparation for a given campus and major can be complex, and requirements change frequently. It is strongly advised that students meet with a Cabrillo counselor to assist them with this process.

### Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number in the Transfer Credit line of a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a *Schedule of Classes* or *Catalog* lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to [www.assist.org](http://www.assist.org) to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the ASSIST database at [www.assist.org](http://www.assist.org) for specific information on C-ID course designations. The C-ID project is also integral to the Associate Degrees for Transfer (AA-T/AS-T). See that specific information in this *Catalog*. Counselors can always help students interpret or explain this information. Cabrillo courses with approved C-ID designations are listed in the *Catalog* and *Schedule of Classes* with the Transfer Credit information for each course.

Note: C-ID numbers for Cabrillo courses are being approved daily. For an up-to-date list, go to [http://www.c-id.net/course\\_compare.html](http://www.c-id.net/course_compare.html).

## COURSE CLASSIFICATION AND NUMBERING 1-99

Courses numbered 1 through 99 are baccalaureate level courses, carrying lower division transfer credit for the California State University (CSU) system. Courses in the 1 through 99 series meet the following criteria:

1. The course is parallel to one offered at a California State University;
2. The course has procedural rigor and treats subject matter at university level.

**Note:** The University of California produces the UC Transfer Course Agreement with Cabrillo College, located in the ASSIST database ([www.assist.org](http://www.assist.org)), when determining the transferability of Cabrillo College courses to the UC system. UC approved courses are selected from courses in the 1 through 99 series. Cabrillo College indicates the transfer status of each course in both the Catalog and Schedule of Classes.

### 100-199

Courses numbered 100 through 199 are intended as associate degree, non-transfer level courses.

### 200-299

Courses numbered 200 through 299 are non-transferable, and are not intended as associate degree level courses. These courses will not count in calculating the GPA for the associate degree.

### 300-399

Courses numbered 300 through 399 are non-transferable, and are not intended as associate degree level courses. These courses are for basic skills and ESL and may be used towards a noncredit certificate of completion and towards meeting prerequisites for 100 level courses. These courses will not count in calculating the GPA for the associate degree.

### 400-499

Courses numbered 400 through 499 are non-transferable, and are not intended as associate degree level courses. These courses are intended for CTE and may be used towards a noncredit certificate of completion. They will not count in calculating the GPA for the associate degree.

### 500-599

Courses numbered 500 through 599 are noncredit courses, are non-transferable, and are not recorded on a transcript.

## ACADEMIC PROGRAM

**Academic Program:** A collection or series of courses that lead to a degree, certificate, or transfer to another institution of higher education (Title 5, ACCJC program definitions, Title 5 TOP code specifications\*). For purposes of college organization, a program is composed of all the degrees and certificates offered by a specific academic department. CTE departments that offer separate programs accredited by different outside accrediting agencies are considered one department that offers multiple programs.

For example, the ECE Program includes an AS and AS-T degree and all certificates offered by the ECE Department. The Spanish Program is the AA degree offered by the World Languages department. The Medical Assistant department offers two programs: Medical Assistance and Phlebotomy Technician because they are accredited by two separate outside accrediting agencies. Using this definition, there are a few programs that do not belong to a specific academic department (such as the General Science degree, Liberal Arts and Sciences degree or General Education).

**Academic Department:** A group of faculty in a related field of study or a discipline that offers an academic program. Departments are peo-

ple. Programs are courses of study, certificates and degrees.

*\*The Taxonomy of Program (TOP) is a system of numerical codes used at the state level to collect and report information on programs and courses, in different colleges throughout the state, that have similar outcomes.*

### **CAREER TECHNOLOGY EDUCATION PROGRAMS (OCCUPATIONAL, VOCATIONAL PROGRAMS)**

Cabrillo College offers programs that lead to Skills Certificates, Certificates of Achievement, and non-transferable A.S. Degrees. These programs prepare students for immediate employment or job advancement. For a listing of Career Technical Education programs see Program Information page of this *Catalog*. For further information see the *Catalog* pages describing the program and contact the individual department offering the program or the Transfer/Career Center. Students seeking a Career Technical Education certificate or degree should see a counselor to develop an educational plan.

#### **Skills Certificate**

Skills Certificates are awarded to students who acquire a set of career-relevant skills through the completion of one or more courses as specified in the college *Catalog*. All courses that count toward the Skills Certificate must be “satisfactorily completed” with grades of A, B, C or P (Pass).

#### **Certificate of Achievement**

Certificates of Achievement provide an opportunity to pursue a concentrated course of study in a particular career area. The courses required for individual certificates are listed by program name on the following pages. All courses that count toward the Certificate of Achievement must be “satisfactorily completed” with grades of A, B, C, or P (Pass).

#### **Associate in Science Degree**

The non-transferable Associate in Science programs usually consist of the core Certificate of Achievement courses, 21 units of General Education requirements, plus suggested electives to total a minimum of 60 units. All courses that count toward the Math and English competencies and the major or emphasis must be “satisfactorily completed” with grades of A, B, C, or P (Pass).

### **PETITION FOR GRADUATION**

Students planning to petition for graduation should first make an appointment with a counselor to verify that they are eligible for graduation. A student may complete EITHER the major requirements in effect at the time of the student’s initial enrollment, if the student has maintained continuous enrollment since then (see Catalog Rights page 37), OR the major requirements in effect at the time the student begins to maintain continuous enrollment, OR the major requirements in effect at the time of the student’s graduation. A Petition for Graduation will be completed with a Counselor and requires a half-hour appointment, during the semester in which the student requests to complete the requirements for graduation. Deadlines for filing a petition to graduate are found on the Admissions and Records Website: <http://go.cabrillo.edu/calendar>. A student must request IGETC or CSU GE-Breadth Certification, via WebAdvisor, Transcripts. See [www.cabrillo.edu/services/ar/certification.html](http://www.cabrillo.edu/services/ar/certification.html) for more information.

### **SCHOLASTIC HONORS AT GRADUATION**

“Honorable Mention” shall be noted for those students who graduate with an associate degree or who complete a Certificate of Proficiency with a 3.0 to 3.49 grade point average (GPA). “Honors” shall designate those students who achieve 3.5 to 3.74 GPA. Those students who graduate with a 3.75 to 4.00 GPA shall be recognized as having achieved “High Honors”. “Honors Scholar” will be designated on the transcript if a student has completed 15 units of honors courses and is a participant in the Honors Transfer Program. See page 42 for more details.



## COMBINED REQUIREMENTS FOR THE ASSOCIATE DEGREES AND CSU GENERAL EDUCATION TRANSFERABLE TO THE CSU (YELLOW)

**60 CSU transferable units**—Use of units from other community colleges must be checked on ASSIST [www.assist.org](http://www.assist.org). A Cabrillo College counselor must check use of units from out of state or 4-year universities - you must provide official transcripts from all schools attended. Students transferring to CSU should complete the lower division major preparation courses required by the 4-year school for their chosen major for their BA or BS degree. It is advisable to work with a Cabrillo College counselor and/or consult [www.assist.org](http://www.assist.org) for major preparation courses required or recommended before transfer.

**Minimum 2.0 GPA required.**

### GENERAL EDUCATION:

**(39 UNITS) RECOMMENDED**

**30 Required (Including all of Area A & B4)**

Complete at least 30 units of general education including all of Area A and Area B4 which must be completed with a "C" or better. Students who complete only 30 units will have at least 9 units of lower division courses to complete upon transfer. It is advisable to complete all 39 units of lower division general education before transfer and to have your GE certified. Full GE certification (all areas complete) is required for the AA-T/AS-T degrees. Courses may be used to satisfy both major and general education requirements - the units will be counted only once for the degree. Partial Certification (missing up to 3 courses/areas) is allowable in certain circumstances - all of Area A and B4 require completion. Qtr. and semester units may be combined in Areas A-E to achieve the overall unit reqmt. for the Area.

### AREA A: English Language Communication and Critical Thinking Select one course from each of the three sub-areas: (9 UNITS)

**\*A1 - Communication (3 units):** COMM 1, 1H, 2, 10 (No AP or IB accepted)

**\*A2 - English Language (3 units):** ENGL 1A, 1AH, #1AMC, #1AMCH (No IB accepted)

**\*A3 - Critical Thinking (3 units):** COMM 4; ENGL 2, 2H, #2MC, #2MCH; PHILO 12, 49 (No AP or IB accepted)

**Note: Students planning to attend SFSU or SJSU should take one of the English 2 courses. English 1B taken at Cabrillo through Summer '05 may be used in Area A3. English 1BMC does not meet Area A3. All of AREA A must be completed with a "C" or better.**

### AREA B: Scientific Inquiry and Quantitative Reasoning Select at least one course from B1, B2, B3 and B4. Area B4 must be completed with a "C" or better. (10 UNITS minimum)

**B1-Physical Universe (3-5 units):** ASTRO 3, 4, 7, 8A\*; CHEM 1A\*, 1B\*, 3, 3L\* (2\*), 5\*, 10\*, 12A, 12AL\*, 12B, 12BL\*, 30A\*, 30B\*, 32\*; ENGR 3, ES 10, 10L\*; GEOG 1, 1L\*; GEOL 10\*, 15, 20\*; METEO 1, 1L\*; OCEAN 10\*; PHYS 2A\*, 2B\*, 4A\*, 4B\*, 4C\*, 4D, 10, 10L\*, 11\*, 12

**B2 -Life Forms (3-5 units):** ANTHR 1, 1H, 1L\*; BIO, 4\*, 5\*, 6\*, 9A\*, 9B\* (BIO 1ABC\*), 11A\*, 11B\*, 11C\*, 13A, 13AL\*, 31; PSYCH 4, 4L\*

**B3 -Laboratory Sciences:** See courses marked with an asterisk (\*under B1 and B2). For general education credit, 1-unit laboratory courses must be taken with corresponding lecture courses-GEOG 1+1L, ASTRO 3, 4, or 7 + 8A, METEO 1 +1L, ANTHR 1/1H+1L, BIO 13A +13AL, PHYS 10+10L

**\*B4 -Quantitative Reasoning (3-5 units):** BUS 9, (beg. F' 13) MATH 2, 3 (beg. F' 11), 4, 5A, 5B, 5C, 6, 7, 10, 12, 12H, 13, 15, 18, PSYCH 2A (Note: math courses have a prerequisite of Intermediate Algebra or higher-level math course).

**\*Areas A & B4 are required for AA/AS Degrees and admission to the university.**

### AREA C: Arts and Humanities Select at least one course from C1 and one course from C2 - 3 courses total.

**(9 UNITS)**

**C1 -Arts:** AH 10, 11, 11H, 12, 13, 13H, 14, #16, #17, #18, #19, 20A, 20B, #52, 53; AP #15, #35, #55; DANCE #1; DM 3; MUS 1, 5, 6, 10, #11A, #11LA, #12, #13A, 77; TA 7, #8, 9, 10A;

**C2 -Humanities:** ASL(SLS) 1, 2, 3; ENGL 1B, 1BH, #1BMC, 12A, 12B, 12C, 12E, 12F, #24A, #24B, 30A, 30B, 34, #39, #40, #41A, #45, 46A, 46B, 48A, 49A, 49B; FR 1, 2, 3, 10; GRMN 1, 2; HIST #2A, #2B, 4A, 4AH, 4B, 4BH; ITAL 1, 2, 3, 10; JAPAN 1, 2; PHILO 4, 6, 7, 8, 9, 10, 10H, #14, #15, 16, #17, 18; SPAN 1, 2, 3, 4, 5A, 6A, 6B, 10A, 10B, 16, 17, 25, 26, #30B

Note: ENGL 1B may be counted under C2 if not used to meet the A3 requirement (prior to F'05). Students planning to attend SFSU or SJSU who DID NOT take ENGL 2 are advised to take ENGL 1B for C2. ENGL 1BMC may be counted only under C2. Students who completed the following courses F'95 or earlier will receive general education credit in Area C1: ART 2A, 4, 5, 7A, 8A, 9A, 24; MUS 17A, 19, 33A, 34, 35, 36, 38, 40, 46, 49, 51A, 54, 55, 58; TA 28, 29. A maximum of six semester units in performance courses is allowed.

HIST 2A, 2B, 4A/4AH & 4B/4BH can be used in either Area C or D, but not both.

*continued, next page*

**COMBINED REQUIREMENTS FOR THE ASSOCIATE DEGREES  
AND CSU GENERAL EDUCATION TRANSFERABLE TO THE CSU (YELLOW) CONTINUED**

**AREA D: Social Sciences** Select three courses—No more than two courses may be counted from any single department. **(9 UNITS)**

ANTHR #2, #2H, #3, #6, #7, # 8 #17; BBS #32; COMM 7, #12; ECE 31, 32; ECON 1A, 1B; GEOG #2, #4, 5; HS 15; HIST #2A, #2B, 4A, 4AH, 4B, 4BH, #6, 9, 11, 14\*, 14H\*, 15\*, #16A, #16B, #16C, 17A\*, 17AH\*, 17B\*, 17BH\*, #19B, #19C, #21A\*, #21AH\*, #21B\*, #21BH\*, 24, #29A\*, #29B\*; JOURN 21; PS 1\*, 1H\*, 2, 3, 5\*; PSYCH 1, 1H, 2B, 6, 8, 12, 26, 31, 33; SOC 1, 1H, #2, #2H, #3, 5, #8, #9, 10, 47; WS 1, #2, 11 **Note:** A U.S. History and a U.S. Political Science marked with an \* is highly recommended. See NOTE below.

HIST 2A, 2B, 4A/4AH & 4B/4BH can be used in Area C or D, but not both; ECE 31, HS 15, PSYCH 33, SOC 5 and WS 1 may be used in Area D or E, but not both.

NOTE: CSU graduation requires fulfillment of a U.S. History, Constitution, and American Ideals requirement. Students are *strongly recommended* to complete these requirements prior to transfer. Taking one history course and one political science course marked with an asterisk (\*) will complete this requirement.

\*\*For Teacher Preparation, it is highly recommended that students complete either History 17A/17AH or Political Science 1/1H\*\*.

\*Political Science courses must include California Government—out-of-state courses can be supplemented with 1-unit special studies.

**AREA E: Lifelong Learning and Self-Development** Select 3 units: **(3 UNITS)**

CG 1, 51 (beg F'15); CAHM 20; ECE 31, 33; HS 10, 12, 15, 21, 22, 24; \*PSYCH 33, 35ABC, 39ABC; SOC 5; WS 1; \*\*DD214 (Military Credit) \*\*Student must have CSU GE Fully Certified. \*Students must complete PSYCH 35, or 39 ABC to receive general education credit. Note: ECE 31, HS 15, PSYCH 33, SOC 5 and WS 1 may be used in Area D or E, but not both. Note: PSYCH 37ABC may be used for Area E if taken prior to F'14. Beg F'13 select ATH, DANCE and KIN Activity courses may also be used to meet Area E if combined with other non-activity Area E units from the CG or ECE departments.

**\*\*\*MC: MULTICULTURAL STUDIES REQUIREMENT\*\*\* (not required for AA-T/AS-T degrees) **(3 UNITS)****

Select one course from any of the above areas that is marked with the # sign or COMM 14, ECE 52, ENGR 98A + 98B, WS 5. This area may be double counted. A course from another college may be used to fulfill this requirement—check with a counselor.

**MAJOR: Specific Discipline or Liberal Arts & Sciences with Emphasis (for students beginning F'08). Beginning F'14, this emphasis is limited to Interdisciplinary Studies - 6 courses from a combination of Areas A, B4, C & D. **(18-30 UNITS)****

**Courses may be used to satisfy both the major/emphasis and general education requirements, but will be counted only once for the total degree units.**

*For Students beginning F'10, all courses in the major or emphasis must be completed with a "C" or better.*

Students may achieve a major in a specific discipline (18 units in the major), or transferable A.S. degrees in Astronomy, Biology, Chemistry, Computer Science, Engineering, General Science, Geology, Mathematics or Physics (30 units in the major) using the *Catalog* model program or the transfer requirements on [www.assist.org](http://www.assist.org) as a guide.

## COMBINED REQUIREMENTS FOR THE ASSOCIATE DEGREES AND THE IGETC (LAVENDAR)

<p><b>UC Requirements for the IGETC A.A. Degree (2.4 GPA required):</b></p> <ol style="list-style-type: none"> <li>1. 60 UC transferable units;</li> <li>2. General Education-Complete IGETC Areas 1-5 plus the foreign language requirement;</li> <li>3. Complete one multicultural course;</li> <li>4. Major-see Major section below.</li> </ol> <p>Note: GE and Major courses must be completed with a "C" or better.</p>	<p><b>CSU Requirements for the IGETC A.A. degree (2.0 GPA required):</b></p> <p>60 CSU transferable units;</p> <ol style="list-style-type: none"> <li>1. General Education-Complete IGETC Areas 1-5; to include Area 1C – Oral Communication;</li> <li>3. Complete one multicultural course;</li> <li>4. Major-see Major section below.</li> </ol> <p>Note: GE and Major courses must be completed with a "C" or better.</p>
<p>Partial GE certification is now allowed for University of California. Students are urged to check with UC transfer campus as some campuses (Berkeley in particular) have said that they will not allow partial IGETC. Full GE Certification is required for the A.A.-T and A.S.-T degrees. A Cabrillo College counselor must check use of units from out of state or 4-year universities. <b>Courses may be used to satisfy both the major/emphasis and general education requirements, but will be counted only once for the total degree units.</b></p> <p>Please note: Only 4-units of ATH &amp; KIN activity and 8 units of ATH theory courses may be counted toward the 60-unit requirement for students transferring to a UC. AP and IB scores may be used for IGETC in some areas; CLEP scores may not be used for IGETC. See a Counselor.</p>	
<p><b>Area 1: English Communication: CSU-3 courses required—one from each Group a-c. 9 semester/12 quarter units; UC-2 courses required—one from Group a and one from Group b. 3 semester/4 quarter units minimum each.</b></p> <p><b>Group a: English Composition:</b> ENGL 1A, 1AH, #1AMC, #1AMCH (No IB accepted)</p> <p><b>Group b: Critical Thinking/English Composition:</b> ENGL 2, 2H, #2MC, #2MCH, PHILO 49 (beg.F'03) Note: Students planning to attend SFSU or SJSU should take one of the ENGL 2 courses listed above. (No AP or IB accepted)</p> <p><b>Group c: Oral Communication:</b> COMM 1, 1H, 2, 10 CSU only (No AP or IB accepted)</p>	
<p><b>Area 2: Mathematical Concepts &amp; Quantitative Reasoning: 1 course, 3 semester/4 quarter units, minimum.</b></p> <p>Mathematics (3-5 units)-select from the following:              BUS 9, (beg F'13) MATH 2, 4, 5A, 5B, 5C, 6, 7, 10, 12, 12H, 13, 18 (beg F'02), 23, PSYCH 2A</p>	
<p><b>Area 3: Arts &amp; Humanities: 3 courses, with at least 1 from the Arts and 1 from the Humanities. 3 semester/4 quarter units minimum each.</b></p> <p>Arts: AH 10, 11, 11H, 12, 13, 13H, 14, #16, #17, #18, #19, 20A, 20B, #52, 53; AP #15, #35, #55; DANCE #1; MUS 1, 5, 6, 10, #11A, #11LA, #12, #13A, 77; TA #8, 9</p> <p>Humanities: ASL (SLS) 3; ENGL 1B, 1BH, #1BMC, #24A, #24B, 30A, 30B, 34, #39, #40, #41A, #45, 46A, 46B, 48A, 49A; FR 3; HIST #2A, #2B, 4A, 4AH, 4B, 4BH; ITAL 3; PHILO 4, 6, 7, 8, 9, 10, 10H, #14, #15, 16, #17, 18; SPAN 3, 4, 6A, 6B, 25, 26, #30B</p>	
<p><b>Area 4: Social &amp; Behavioral Sciences: 3 courses from at least 2 disciplines or an interdisciplinary sequence. 3 semester/4 quarter units minimum each.</b></p> <p>ANTHR #2, #2H, #3, #6, #7, #8 #17; BBS #32; COMM 12 (beg. F'13); ECE 31, 32; ECON 1A, 1B; GEOG #2, #4, 5; HS 15; HIST #2A, #2B, 4A, 4AH, 4B, 4BH, #6, 9, 11, 14*, 14H* 15*, #16A, #16B, #16C, 17A*, 17AH*, 17B*, 17BH*, #19B, #19C, #21A*, #21AH*, #21B*, #21BH*, 24, #29A*, #29B*; JOURN 21; PS 1*, 1H*, 2, 3, 5*; PSYCH 1, 1H, 2B (beg. F'14), 6, 8, 12, 26, 31, 33; SOC 1, 1H, #2, #2H, #3, 5, #8, #9, 10, 47; WS 1, #2, 11</p> <p><b>*Indicates course meets U.S. History or Political Science requirement.</b></p> <p><b>For Teacher Prep at either CSU or UC, it is recommended that students complete either HIST 17A/17AH or PS 1/1H. The CSU system has a graduation requirement in U.S. History &amp; U.S. Political Science—It is recommended that students complete these courses prior to transfer. Choose one HIST course and one PS course marked with an asterisk * to meet this requirement before transfer. Out of state students who have taken a US Political Science course may take a one-unit supplement on California government.</b></p>	
<p><b>Area 5: Physical &amp; Biological Sciences (minimum of 7 semester units): Select one Physical and one Biological Science; one of these courses must have a laboratory and the units from both sciences must total at least 7 semester units (Minimum lecture units 3 semester/4 quarter). Laboratory sciences are marked +.</b></p> <p><b>Physical Science (3-5 units)</b>-ASTRO 3, 4, 7, +8A; CHEM +1A, +1B, 3, +3L (+2), +5, +10, 12A, +12AL, 12B, +12BL; ENGR 3; ES 10, +10L; GEOG 1, +1L; GEOL +10, 15, +20; METEO 1, +1L; OCEAN +10; PHYS +2A, +2B, +4A, +4B, +4C, 4D, 10, +10L, +11, 12</p> <p><b>Biological Science (3-5 units)</b>-ANTHR 1, 1H, +1L; BIO +4, +5, +6, +9A, +9B, (BIO+1ABC) +11A, +11B, +11C, 13A, +13AL, 31, PSYCH 4, +4L</p> <p><i>continued, next page</i></p>	

## COMBINED REQUIREMENTS FOR THE ASSOCIATE DEGREES AND THE IGETC (LAVENDAR) *CONTINUED*

### **Foreign Language Requirement (1 course if not met in high school-UC only)**

Proficiency equivalent to two years of high school study of the same foreign language or one semester of college study of a foreign language is required. Foreign Language courses taken in high school may not be counted under AREA 3-Humanities. The following languages are offered at Cabrillo College: French, German, Italian, Japanese, American Sign Language (SLS), Spanish

### **\*\*\*Multicultural Requirement (3 units) -A.A. requirement only\*\*\* (not required for the A.A.-T/A.S.-T degrees)**

Select a course from any of the above areas that is marked with a #, or ENGR 98A + 98B, or WS 5. This area may be double counted. A course from another college may be used to fulfill this requirement-check with a counselor.

**MAJOR: Specific Discipline or Liberal Arts and Sciences with Emphasis (for student beginning F'08. Beginning F'14, this emphasis is limited to Interdisciplinary Studies - 6 courses from a combination of Areas A, B4, C & D on the CSU GE list.**

**The complete list of approved courses for this area of emphasis is listed in this Catalog under Liberal Arts a& Sciences**

**(18-30 units) For students beginning F'10, all courses in the major or emphasis must be completed with a "C" or better.**

Students may achieve a major in a specific discipline (18 units in the major), or transferable A.S. degrees in Astronomy, Biology, Chemistry, Computer Science, Engineering, General Science, Geology, Mathematics, or Physics (students must take at least 30 units in the major) using the catalog model program or the transfer requirements on [www.assist.org](http://www.assist.org) as a guide.



## DEGREES AND CERTIFICATES

	Associate Degree(s)	Certificate of Achievement		Associate Degree(s)	Certificate of Achievement		Skill(s) Certificates (SC)
<b>Accounting/Finance:</b>			<b>Liberal Arts &amp; Sciences (Transfer):</b>			Entry Level Catering _____ SC	
Accounting _____	A.S.	Cert	Interdisciplinary Studies _____ A.A.			Wine and Wine Service _____ SC	
<b>Anthropology _____</b>			<b>Liberal Arts &amp; Sciences (Non-Transfer):</b>			Wine Tasting Room Management _____ SC	
	A.A./A.A.-T		Interdisciplinary Studies _____ A.A./A.S.			World Wines _____ SC	
<b>Art History _____</b>			<b>Liberal Studies: See Education</b>			<b>Dance:</b>	
	A.A./A.A.-T		<b>Mathematics _____</b>			Choreographic Studies _____ SC	
<b>Art Photography _____</b>			_____ A.S./A.S.-T			Creative Careers: Discovering Self-Directed Pathways _____ SC	
	A.A.		<b>Medical Assisting _____</b>			Social and Urban Dance _____ SC	
<b>Art-Studio _____</b>			_____ A.S. _____ Cert			<b>Digital Management and Career Preparation:</b>	
	A.A./A.A.-T		<b>Music _____</b>			Digital Management and	
<b>Astronomy _____</b>			_____ A.A./A.A.-T			Career Preparation _____ SC	
	A.S.		_____ A.S. _____ Cert			<b>Digital Media:</b>	
<b>Bilingual/Bicultural Studies _____</b>			_____ A.S. _____ Cert			Animation _____ SC	
	A.A.		<b>Nursing _____</b>			Cinema Arts _____ SC	
<b>Biology _____</b>			_____ A.S.			Creative Careers: Discovering Self-Directed Pathways _____ SC	
	A.S./A.S.-T		<b>Philosophy _____</b>			Graphic Imaging _____ SC	
<b>Business:</b>			_____ A.A./A.A.-T			Motion Media _____ SC	
General Business _____	A.A./A.S./A.S.-T	Cert	<b>Physics _____</b>			Publication Design _____ SC	
<b>Chemistry _____</b>			_____ A.A./A.S.			Video Production _____ SC	
	A.A./A.S.		<b>Political Science _____</b>			Web Production _____ SC	
<b>Communication Studies _____</b>			_____ A.S./A.S.-T			Website Design _____ SC	
	A.A./A.A.-T		<b>Public Safety:</b>			<b>Early Childhood Education:</b>	
<b>Computer Applications/Business Technology:</b>			_____ A.A./A.A.-T			Spanish/English Early Childhood	
Administrative Support _____		Cert	Administration of Justice _____ A.S.-T			Teaching _____ SC	
Business Information Worker _____		Cert	Criminal Justice _____ A.S.			<b>Engineering Technology:</b>	
Computer/Business Applications _____	A.S.	Cert	Fire Technology _____ A.A./A.S.			Architecture Drafting & Design _____ SC	
<b>Computer and Information Systems:</b>			<b>Radiologic Technology _____</b>			Civil/Survey Drafting _____ SC	
Computer Networking and			_____ A.S.			Computer Aided Drafting & Design _____ SC	
System Administration _____	A.S.	Cert	<b>Sociology _____</b>			Computer Animation _____ SC	
Cisco Certified Network			_____ A.A./A.A.-T			Manufacturing Specialist _____ SC	
Professional (CCNP) Security _____		Cert	<b>Spanish _____</b>			Technology and Trades _____ SC	
<b>Computer Support:</b>			_____ A.A./A.A.-T			<b>Horticulture:</b>	
Computer Support _____	A.S.	Cert	<b>Theatre Arts/Drama _____</b>			Arboriculture _____ SC	
<b>Computer Science _____</b>			_____ A.A./A.A.-T			General Horticulture _____ SC	
	A.S.		<b>Women's Studies _____</b>			Greenhouse and Nursery Management _____ SC	
C++ Programming _____		Cert	_____ A.A.			Landscape Design _____ SC	
Java Programming _____		Cert	<b>SKILLS CERTIFICATES</b>			Landscaping _____ SC	
Programming _____		Cert	<b>Accounting/Finance:</b>			Permaculture _____ SC	
Web Programming _____		Cert	_____ A.S.			Sustainable and Organic	
<b>Construction Management:</b>			_____ A.S.			Food Production _____ SC	
Building Inspection &			<b>Art History:</b>			<b>Human Services:</b>	
Construction Codes _____	A.S.	Cert	Creative Careers: Discovering Self-Directed Pathways _____ SC			Drug and Alcohol Studies _____ SC	
Construction Management _____	A.S.	Cert	<b>Art Photography:</b>			Generalist Practice _____ SC	
Energy Management _____	A.S.	Cert	Creative Careers: Discovering Self-Directed Pathways _____ SC			<b>Kinesiology:</b>	
<b>Culinary Arts &amp;</b>			_____ A.S.			Personal Trainer Certification _____ SC	
<b>Hospitality Management _____</b>			_____ A.S.			<b>Latino/A Studies:</b>	
	A.S.	Cert	<b>Art Studio:</b>			Latin American and Latino/a Studies _____ SC	
<b>Dance _____</b>			Creative Careers: Discovering Self-Directed Pathways _____ SC			<b>Medical Assisting:</b>	
	A.A.		_____ A.S.			Phlebotomy Technician _____ SC	
<b>Dental Hygiene _____</b>			_____ A.S.			<b>Music:</b>	
	A.S.		<b>Business:</b>			Classical Guitar _____ SC	
<b>Digital Media:</b>			_____ A.S.			Creative Careers: Discovering Self-Directed Pathways _____ SC	
Digital Media/Publishing _____	A.S.	Cert	Entrepreneurships/Small Business _____ SC			Jazz/Pop Voice _____ SC	
Web Design _____		Cert	<b>Computer Applications/Business Technology:</b>			Jazz/Rock Guitar _____ SC	
Web Development _____		Cert	Computer Proficiency _____ SC			Jazz Studies _____ SC	
Web Media _____	A.S.	Cert	Office Software _____ SC			Latin American Music _____ SC	
<b>Early Childhood Education:</b>			Social Media _____ SC			Music Technology _____ SC	
Anti-Bias Curriculum _____	A.S./A.S.-T	Cert	<b>Computer and Information Systems:</b>			Piano _____ SC	
Bilingual Spanish English Teaching _____		Cert	Cisco Certified Network Associate (CCNA) _____ SC			Voice _____ SC	
Curriculum Planning _____		Cert	Cybersecurity _____ SC			<b>Radiologic Technology:</b>	
ECE Administration _____		Cert	Microsoft System Administration _____ SC			Venipuncture _____ SC	
Children's Literacy Curriculum _____		Cert	UNIX/Linux System Administration _____ SC			<b>Theatre Arts/Drama:</b>	
Infant/Toddler Care _____		Cert	<b>Computer Support</b>			Creative Careers: Discovering Self-Directed Pathways _____ SC	
Teaching _____		Cert	A+ Preparation _____ SC			Musical Theatre _____ SC	
Working w/ Culturally Diverse Families _____		Cert	Computer Support Technician 1 _____ SC			Technical Theatre _____ SC	
<b>Economics _____</b>			<b>Computer Science:</b>			<b>Welding:</b>	
	A.A./A.A.-T		Game Programming _____ SC			Basic Welding _____ SC	
<b>Education</b>			Mobile Applications _____ SC			Advanced Welding _____ SC	
Elementary Teacher Education _____	A.A.-T		Web Programming _____ SC			<b>Legend:</b>	
<b>Engineering, General _____</b>			<b>Construction and Energy Management:</b>			A.A. is an Associate in Arts Degree	
	A.S.		Basic Energy Management _____ SC			A.S. is an Associate in Science Degree	
<b>Engineering Technology _____</b>			Building Performance Energy Management _____ SC			A.A.-T is an Associate in Arts for Transfer Degree	
	A.S.	Cert	Construction Basics _____ SC			A.S.-T is an Associate in Science for Transfer Degree	
<b>English _____</b>			Construction Building Inspection and Codes _____ SC			Cert is a Certificate of Achievement	
	A.A./A.A.-T		Construction Business Management _____ SC			SC is a Skills Certificate	
<b>General Education:</b>			Construction Career Path _____ SC				
CSU General Education Breadth _____		Cert	Construction Electrical Inspection and Codes _____ SC				
IGETC General Education _____		Cert	Construction Project Management _____ SC				
<b>General Science _____</b>			Construction Plumbing/Mechanical Inspection & Codes _____ SC				
	A.S.		Construction Trade _____ SC				
<b>Geography _____</b>			Solar Derived Energy Management _____ SC				
	A.A./A.A.-T		<b>Culinary Arts &amp; Hospitality Management:</b>				
<b>Geology _____</b>			Entry Level Baking _____ SC				
	A.S./A.S.-T		Entry Level Cook _____ SC				
<b>Health Science/Community Health _____</b>							
	A.A.						
<b>History _____</b>							
	A.A./A.A.-T						
<b>Horticulture:</b>							
Agriculture Plant Sciences _____	A.S.-T						
General Horticulture and							
Crop Production _____	A.S.	Cert					
Landscape Horticulture _____	A.S.	Cert					
<b>Human Services _____</b>							
	A.S.						
Generalist Practice _____		Cert					
<b>Journalism _____</b>							
	A.A.	Cert					
<b>Kinesiology _____</b>							
	A.A./A.A.-T						