

ADVANCED WATERCOLOR CLASS, CCSF  
(PHOTOGRAPH BY KATIE LOUX)

# DEGREE AND CERTIFICATE REQUIREMENTS

## DEGREE AND CERTIFICATE REQUIREMENTS

Students maintain catalog rights through continuous enrollment at City College of San Francisco prior to graduation with the associate degree. Continuous enrollment is defined as enrollment in at least one course per academic year (fall or spring semester only). Any of the

City College of San Francisco is dedicated to the principle that the highest quality education possible be provided to all students. Central to this philosophy is the belief that all students granted an associate degree should be required to study a variety of general breadth courses in addition to those courses which are required by a student's major. These courses shall introduce the student to the languages, the methods of inquiry, and the achievements of the major academic disciplines. Consistent with this philosophy, it is the intent of the College to involve students in the various disciplines in such a way that students will develop an interest in learning that will continue and expand throughout their lives.

### Goals of the General Education Program

Through its general education program, the College intends to graduate students who have developed:

- a. skills in the principles and applications of language toward logical thought, clear and precise expression, and critical evaluation of communication in whatever symbol system the student uses.
- b. English language and information competency skills so that they can communicate clearly, both orally and in writing; can evaluate what they hear and read; and can acquire, interpret and use information appropriately.
- c. an appreciation and understanding of the scientific method, of the achievements of at least one of the natural sciences, and of the relationships between the natural sciences and other human activities.
- d. an appreciation and understanding of the methods of inquiry used in the social and behavioral sciences and of the ways people act and have acted in response to their societies.
- e. an appreciation and understanding of the ways in which people throughout the ages and in different cultures have responded to themselves and to the world around them through artistic and cultural creation and have developed aesthetic sensitivity and skills as well as an ability to make informed value judgments.
- f. an appreciation and understanding of American history and government so that they can be responsible and active citizens.
- g. an appreciation and understanding of the physical skills and health knowledge essential for mental and physical well-being.
- h. an appreciation and understanding of the history, culture, and perspective of diverse ethnic groups, of women, and of gays, lesbians, bisexuals, and transgenders.

### Catalog Rights

City College of San Francisco issues a new catalog yearly. The courses required for a specific degree or certificate may change from one catalog to the next and often change during a student's tenure. For the purposes of meeting degree or certificate requirements based on catalog rights, students may elect to meet the requirements of either:

1. The catalog which was in effect at the time the student began his/her course work at City College of San Francisco, or
2. Any catalog that is or has been in effect during the time that the student has maintained continuous enrollment before graduation with the associate degree.

## Degree and Certificate Requirements

### Associate Degree Graduation Requirements Overview

	Option 1: CCSF Associate Degree Associate in Arts (AA) or Associate in Science (AS)	Option 2: CCSF Associate Degree for Transfer Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T)
<b>1. General Education</b>	Completion of City College of San Francisco General Education pattern, Areas A-H.	Completion and certification of California State University (CSU) General Education pattern, Areas A-F or Completion and certification of the IGETC pattern, Areas 1-6 (CSU Transfer: Complete IGETC Areas 1-5; UC Transfer: Complete IGETC Areas 1A, 1B and 2-6).  Advisory Note: Students transferring to CSU are strongly encouraged to complete the CSU American Institutions and U.S. History requirement.  Note: Details of IGETC and CSU GE requirements are in the Transfer Information section of the Catalog.
<b>2. Mathematics</b>	Students can meet the general math competency for an associate degree in one of the following ways: <ul style="list-style-type: none"><li>• passing two semesters of high school math at or above the level of Algebra 2 with a grade of “C” or better</li><li>• completing an approved math course</li><li>• achieving a satisfactory score on the SAT, ACT, Advanced Placement (AP), or International Baccalaureate (IB) exam.</li></ul>	Completion of Area B4 of the CSU General Education pattern, or Area 2 of the IGETC pattern.
<b>3. Major</b>	Completion of a major program specified by the department; or completion of 18 semester units in one of the four Liberal Arts and Sciences Areas of Emphasis.	Completion of an AA-T or AS-T program as specified by the department.
<b>4. Units</b>	A minimum of 60 semester units of degree-applicable courses.	A minimum of 60 semester units that are both degree applicable and CSU transferable.  Advisory Note: Students planning to transfer to UC must have 60 UC-transferable units to meet UC Admission requirements.
<b>5. Grade Point Average</b>	Cumulative grade point average of at least 2.0, including a grade of C (or P) or higher in each course taken towards the Major Requirement.	
<b>6. Residence</b>	Completion of a minimum of 12 degree-applicable semester units at CCSF is required for graduation.	
<b>Petitioning for the Associate Degree</b>		

# Degree and Certificate Requirements

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## CCSF Associate Degree

### 1. General Education Requirements

General education courses are required in the following areas:

- A. Communication and Analytical Thinking.
- B.

2. Communicate scientific ideas and theories effectively.
3. Apply scientific principles, theories, or models to explain the behavior of natural physical phenomena.
4. Apply physical science knowledge and reasoning to human interaction with the natural world and issues impacting society.

### BIOLOGICAL SCIENCE

1. Apply scientific inquiry and investigation of evidence to critically evaluate biological science arguments.
2. Communicate scientific ideas and theories effectively.
3. Apply scientific principles, theories, or models to explain the behavior of natural biological phenomena.
4. Apply biological science knowledge and reasoning to human interaction with the natural world and issues impacting society.

To satisfy the graduation requirement in the Natural Sciences, the student must complete **at least three semester units** from the following courses:

Anthropology 1

Astronomy 1, 4, 16\*, 17, 18, 19

Biology 9, 10, 11, 12, 14, 15, 19, 20, 21M, 32, 33, 40, 51, 53, 61, 100A, 100B, 106, 108, 111, 112, 114, 118, 118B, 119, 120, 121\*, 130\*, 132, 134

Biotechnology 4, 115, 120

Chemistry 32, 40, 101A, 103A, 110, 212B

Energy 3

Environmental Horticulture 76, 77

Environmental Science and Sustainability 31

Geography 1

Geology 10, 11, 30, 111

Health 70

Oceanography 1

Physical Science 11

Physics 2A, 4A, 10, 20, 41

Psychology 1B, 50

\*Only partially satisfies the number of units required for this area

### Area D: Social and Behavioral Sciences Requirement

Upon completion of this coursework, a student will be able to:

1. Exhibit an understanding of the natural world and issues impacting society.

# Degree and Certificate Requirements

Latin American & Latina/o/e/x Studies 1, 2, 14  
Lesbian, Gay, Bisexual & Trans 11, 12, 15, 18, 20, 55, 75  
Maker Studies 100  
Music 21, 22A, 22B, 22C, 23, 24, 25, 26, 27A, 27Q, 27R, 28, 128  
Philippine Studies 30, 42  
Philosophy 2, 4, 25A, 25C  
Photography 40, 50A, 50B, 51, 81A, 100  
Pilipino 1, 2, 10A, 10B, 10C, 39A, 39B  
Russian 1A, 1B, 21A, 21B  
Spanish 1, 1A, 1B, 2, 2A, 2B, 3, 3A, 3B, 5, 5S, 6A, 6B, 7, 10A, 10B, 10C, 10D, 22A, 22B, 22C, 31, 31A, 31B, 32, 32A, 32B, 42  
Theatre Arts 30, 31, 32, 33, 80, 81, 150A  
Visual Media Design 101, 110  
Women's and Gender Studies 10, 20  
World Languages and Cultures 100

## Area F: United States History and Government Requirement

Upon completion of this coursework, a student will be able to:

1. Examine, summarize, and evaluate American history.
2. Examine, summarize, and evaluate American government.
3. Examine and understand the importance of participating in civic duties and responsibilities based on historical and political precedent

To satisfy the graduation requirement in United States History and Government, the student must complete **at least three semester units** from the following courses:

African American Studies 60  
Asian American Studies 20, 23  
History 1, 9, 12A, 12B, 17A, 17B, 21, 41A, 41B, 45  
Labor & Community Studies 70A, 70B  
Latin American & Latina/o/e/x Studies 1  
Political Science 1, 15

## Area G: Health Knowledge (G1) and Physical Skills (G2) Requirement

Upon completion of this coursework, a student will be able to:

1. Analyze factors that influence and improve the health and well-being of individuals and communities.
2. Assess and perform the physical skills that contribute to mental health and physical well-being.

To satisfy the graduation requirement (1–3 units) in Physical Skills and Health Knowledge a student must complete **one course from area G1 and one course from area G2**. If, in fulfilling this requirement, a student selects courses which total more than three units, the additional units may be counted towards the 60-unit graduation requirement.

### Area G1

Biology 106, 130, 132, 134  
Child Dev/Family Studies 107  
Health Education 10, 25, 27, 33, 38, 48, 53, 54, 56, 67, 85, 97, 120, 177, 221  
Interdisciplinary Studies 17  
Physical Education 8, 9, 14, 20, 28, 204A, 204B  
Psychology 9, 17  
Women's and Gender Studies 55

### Area G2

Dance 34A, 34B, 37, 100A, 100B, 101A, 102A, 102B, 110A, 111A, 119A, 119B, 119C, 119D, 121B, 122, 123A, 123B, 124A, 124B, 124C, 124D, 126B, 127A, 127B, 129A, 129B, 129C, 129D, 131A, 133A, 133B, 133C, 133D, 134A, 134B, 134C, 134D, 138A, 138B,

138C, 138D, 141A, 141B, 145A, 145B, 146A, 146B, 148A, 148B, 149A, 149B, 155A, 155B, 155C, 160A, 160B, 160C, 161, 172A, 172B, 173  
Disabled Students Prog & Serv 20  
Emergency Medical Technician 12, 14  
Fire Science Technology 17  
Health Education 91M, 91T  
Intercollegiate Athletics 60, 61, 62, 63, 65, 66, 67, 68, 69, 80, 81, 82, 83, 85, 88, 89, 97, 98, 99  
Physical Education 174A, 200B, 200C, 200D, 200E, 202, 204A, 204B, 204C, 205A, 205B, 205C, 206A, 206B, 206C, 210A, 210B, 211A, 211B, 212B, 212C, 212D, 214A, 214B, 215A, 215B, 216A, 216B, 217A, 217B, 218, 219A, 219B, 219C, 220, 222, 223A, 223B, 223C, 225A, 230A, 230B, 230C, 231A, 231B, 231C, 232A, 232B, 232C, 233A, 233B, 233C, 235A, 235B, 235C, 236A, 236B, 238A, 238B, 238C, 239A, 239B, 240A, 240B, 240C, 242A, 242B, 242C, 243A, 244A, 250A, 252A, 252B, 252C, 252D, 254, 255A, 255B, 255C, 255D, 255E, 256A, 256B, 256C, 256D, 258A, 258B, 258C, 258D, 260A, 260B, 260C, 271A, 271B, 271C, 271D, 274A, 274B, 274C, 274D, 276A, 276B

e general education graduation requirement for Area G, Health Knowledge and Physical Skills, may be waived for those students who are pursuing high-unit majors for the Associate of Art or Associate of Science. A high-unit major is one that requires a minimum of 27 units. Not all high unit majors are eligible for Area G waivers. The following is a list of high-unit majors that are eligible for Area G waivers during this catalog year:

Accounting  
Administration of Justice  
Administrative Support  
Aircraft Powerplant Maintenance Technology  
Airframe-Maintenance Technology  
Architecture  
Biological Sciences  
Biological Sciences (Emphasis Health Science)  
Biotechnology  
Cardiovascular Technician/Echocardiography  
Child Development  
Cinema Production  
Commercial Cut-Flower and Greenhouse Production  
Construction Management  
Culinary Arts Management  
Data Science  
Dental Assisting  
Diagnostic Medical Imaging  
Electrocardiography Technician  
Electronic Engineering Technology  
Engineering  
Environmental Science  
Environmental Studies  
Fashion Design  
Fashion Merchandising  
Finance  
Fire Science Technology  
Floristry  
Food Service Management  
General Business  
Graphic Design  
Health Information Technology  
Hospitality Management  
Interior Design  
Journalism



# Degree and Certificate Requirements

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1. Passing two semesters of high school math at or above the level of Algebra 2 with a grade of “C” or better
2. Completing with a grade of “C” or higher in MATH 46, MATH 60 (formerly MATH 860), MATH 98, MATH 108, ET 108B, or ET 50, or PSYC 5, or ECON 5, or LALS 5, or PHIL 12A, or FIN 136M, or CS 10. Mathematics department courses at a level higher than MATH 60 also satisfy this requirement.
3. Completing, at an accredited college with a grade of “C” or higher, any mathematics course equivalent to MATH 60, or equivalent to a higher level CCSF mathematics course.
4. Scoring:
  - 550 or higher on the Mathematics Section of the SAT Reasoning Test, or
  - 550 or higher on the SAT Subject Test in Mathematics (Level 1 or Level 2), or
  - 550 or higher on the Quantitative Section of the Graduate Record Examination (GRE), or
  - 23 or higher on the mathematics section of the American College Test (ACT), or
  - 3, 4, or 5 on the Advanced Placement Examination in Calculus AB or Calculus BC or Computer Science AB or Statistics, or
  - 5, 6, or 7 on the International Baccalaureate Examination in Mathematics HL

## CCSF Associate Degree

### 3. Major Requirement

A student must complete a major in one of the following two ways.

**Courses taken to complete this requirement must be completed with a final grade of “C” or higher, or “P” if taken Pass/No Pass:**

- a. Completion of 18 or more semester units in an Area of Emphasis of the Liberal Arts and Sciences degree program described in the Programs and Courses section of this catalog. The four areas of emphasis are:

Arts and Humanities  
Natural Sciences  
Physical Sciences  
Social Sciences

## Degree and Certificate Requirements

