



# OFFICE OF INSTRUCTION

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## Catalog Update for 2022-23 College Catalog

Last Updated: April 13, 2023

### ***CCSF Credit Admission Policy***

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City College has an open admissions policy for students who live in California and international students. Eligibility to attend is satisfied if you meet at least one of the following requirements:

- You are eighteen (18) years old on or before the first day of instruction for the term for which you are applying.
- You are a high school graduate.
- You are the equivalent of a high school graduate, i.e., you have passed GED or a state's high school proficiency examination.
- You completed a minimum of 120 high school credits and have submitted a permission/consent form. Please visit the [High School Programs page](#) for more information.

Please note that the above requirements are general; other factors may determine eligibility.

If the College has reason to question the validity of a student's high school diploma, the student will be notified they can continue enrollment but will not qualify for financial aid/Title IV funds.

For more details, contact the Office of Admissions and Records at [admit@ccsf.edu](mailto:admit@ccsf.edu) or visit the [Admissions Virtual Help Counter](#) to speak with an Admissions staff member.

### ***New CSU GE Area Implementation***

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In response to Education Code Section 89032, the CSU system has implemented a new GE Area in **Ethnic Studies, Area F**. Students with catalog rights of Fall '21 or later will be required to fulfill 3 – semester units (4 quarter units) in an approved Ethnic Studies course.

The following is a list of CCSF courses approved for CSU General Education **Area F – Ethnic Studies**:

**African American Studies** +30, +40, +42, 55, +60

**Asian American Studies** 1, +6, +8, +10, +20, +22, +23, +27, +30, +35, +40

**Ethnic Studies** 37

**Interdisciplinary Studies** 37

**Latin American & Latino/a Studies** +1, +2, +9, +10

**Lesbian, Gay, Bisexual & Transgender Studies** +9

*+Effective Fall '21*

#### BOARD OF TRUSTEES

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## Programs

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The following programs shall be considered included in the 2022-23 College Catalog, with the effective dates noted below.

Department	Program	Effective Date
Administration of Justice and Fire Science	Certificate of Achievement in Basic Police Officer- REVISED	Spring 2023
Art	Certificate of Achievement in Asian Art and Culture - NEW	Spring 2023
Asian American Studies	Certificate of Achievement in Asian American Studies – NEW	Spring 2023
Automotive, Motorcycle, Construction & Building Maintenance	Certificate of Completion in Construction - NEW	Spring 2023
Health Care Technology	Associate of Science in Pharmacy Technician- REVISED	Fall 2022
Health Care Technology	Certificate of Achievement in Health Information Clerk I - REVISED	Fall 2022
Health Care Technology	Certificate of Achievement in CVT/Echocardiography Technician - REVISED	Fall 2022
Health Care Technology	Certificate of Achievement in Pharmacy Technician - REVISED	Fall 2022
Interdisciplinary Studies	Certificate of Accomplishment in Critical Pacific Islands & Oceania Studies – NEW	Spring 2023
Mathematics	Associate of Science in Data Science - NEW	Spring 2023
Visual Media Design	Certificate of Achievement in Digital Animation- REVISED	Fall 2022
Women's and Gender Studies	Certificate of Achievement in Sexual Health Educator - REVISED	Spring 2023

## ADMINISTRATION OF JUSTICE AND FIRE SCIENCE

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### Basic Police Officer Certificate of Achievement

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Principles, procedures, and techniques of law enforcement: criminal law, patrol and investigative procedures, report writing, use of force tactics, weapons use, community relations, vehicle operations, traffic enforcement, accident investigation, first aid, CPR, academic and physical skills training and assessment required by the State Commission on Peace Officer Standards and Training to meet the minimum standards for employment as a peace officer in California (1280 in-class hours).

#### Learning Outcomes

Upon completion of this program, students will be able to:

- Apply the legal and ethical principles and procedures associated with the duties of a police officer.
- Interpret and apply criminal law.
- Implement appropriate patrol and investigation procedures.
- Manage and write accurate law enforcement reports.
- Employ legally approved defensive policing tactics and appropriate levels of use of force

**Admission Requirements:** California P.O.S.T. (Commission on Peace Officer Standards and Training) reading and writing exam or employment by a P.O.S.T. approved agency; Department of Justice clearance; medical verification: clearance from a licensed physician to participate in intensive physical activity commensurate with a police academy.

The minimum time for completion of this certificate is 3 semesters. Completion time will vary based on student preparation and number of classes completed per semester.

**Courses Required for the Certificate of Achievement in Basic Police Officer**

<b>Course.....</b>	<b>Units</b>
<b>Required</b>	
ADMJ 101 Basic Police Academy.....	38.5
ADMJ 72 Police Work Experience.....	8.0
<b>Total: .....</b>	<b>46.5</b>

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**ART**

**Asian Art and Culture Certificate of Achievement**

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The Asian Art and Culture Certificate of Achievement provides essential knowledge, processes, principles, and skills for visual artists. Students will produce works of art based on Asian design principles and develop a background in Asian history and culture. It can serve as a stand-alone certificate or as a basis for advanced study in painting, art history, criticism, or other visual arts disciplines.

**Learning Outcomes**

Upon completion of this program, students will be able to:

- Produce and peer critique student works of art influenced by Asian design principles, skillful techniques, and personal aesthetics.
- Describe historical and contemporary calligraphy and painting approaches to Asian art.
- Examine works of art in relation to the cultural and sociological context in which they were created.
- Evaluate works of art in terms of technique, function, form, and content using art and discipline terminology.

The minimum time for completion of this certificate is 2 semesters. Completion time will vary based on student preparation and number of classes completed per semester.

**Courses Required for the Certificate of Achievement in Asian Art and Culture**

<b>Course.....</b>	<b>Units</b>
<b>Required</b>	
ART 104 Asian Art History .....	3.0
ART 146A Beginning Chinese Brush Painting.....	3.0
ASIA 11 East Asian Calligraphy: An Introduction .....	3.0
ASIA 15 Asian Societies and Cultures through Film.....	3.0
<b>Choose 2 courses from the following</b>	
ART 146B Intermediate Chinese Brush Painting.....	3.0
ASIA 30 Manga and Anime.....	3.0
CHIN 33 Chinese Culture for Heritage Learners .....	3.0
HIST 35A Chinese History .....	3.0
HIST 35B History of China .....	3.0
HIST 37 History of the Philippines .....	3.0
JAPA 39 Japanese Culture and Civilization .....	3.0
PHST 30 Philippine Society and Culture Through Film.....	3.0
PHST 42 Introduction to Philippine Arts .....	3.0
<b>Total: .....</b>	<b>18.0</b>

## ASIAN AMERICAN STUDIES

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### Asian American Studies Certificate of Achievement

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The Certificate of Achievement in Asian American Studies explores the diverse Asian American experience in the United States. Students will gain a theoretical, aesthetic, and methodological understanding of the complex experience of different groups of Asians in the United States. This certificate is designed for students who wish to pursue additional specialization in Asian American Studies and Ethnic Studies and for professionals in the public, non-profit, and private sector who want to be more effective in their careers by learning more about the diversity of the Asian American community.

#### Learning Outcomes

Upon completion of this program, students will be able to:

- Analyze the diverse experiences of Asian Pacific Americans in the United States.
- Analyze the intersections of race, class, gender, and sexuality affecting different groups of Asian Pacific Americans in the United States.

The minimum time for completion of this certificate is 1 semester. Completion time will vary based on student preparation and number of units completed per semester.

#### Courses Required for the Certificate of Achievement in Asian American Studies

**Course..... Units**  
**Required**

ASAM 20 Asian American Experience Since 1820 ..... 3.0

#### Choose 9 units from the following

ASAM 1 Introduction to Asian American Studies..... 3.0

ASAM 6 Asian American Issues through Literature..... 3.0

ASAM 8 Filipino American Community..... 3.0

ASAM 10 Asian American Popular Culture ..... 3.0

ASAM 22 Community Issues & Leadership..... 3.0

ASAM 23 Asian Americans and American Ideals and Institutions ..... 3.0

ASAM 27 Asian American Race Relations ..... 3.0

ASAM 30 Asian American Issues Through Film..... 3.0

ASAM 35 Asian American Women ..... 3.0

ASAM 40 Chinese American Community ..... 3.0

ASAM 42 Southeast Asians in the U.S..... 3.0

PHST 40 Contemporary Issues in the Filipino Diaspora ..... 3.0

IDST 45 Pacific Islanders in the U.S..... 3.0

**Total: ..... 12.0**

## AUTOMOTIVE, MOTORCYCLE, CONSTRUCTION & BUILDING MAINTENANCE

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### Construction Certificate of Completion

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This certificate of completion validates training in tool, equipment, personal safety, use of proper and appropriate materials and supplies, and proper handling of diverse power tools. Students successfully completing this certificate will be qualified for entry-level construction and building maintenance employment.

## Learning Outcomes

Upon completion of this program, students will be able to:

- Apply construction terminology and units of measurement to complete construction tasks.
- Manage tools, equipment, and materials safely and appropriately.
- Apply recommended practices to the use of construction tools, machines, and specialized equipment.
- Interpret and explain workplace instructions.

The minimum time for completion of this certificate is 1 semester. Completion time will vary based on student preparation and number of classes completed per semester.

## Courses Required for the Certificate of Completion in Construction

Course.....	Hours
<b>Required</b>	
CNST 1000 Introduction to Construction .....	145.0
<b>Choose one of the following courses:</b>	
CNST 8800 Applied Trades Math .....	52.5
ESLV 3832 ESL for Construction Workers .....	85.0
TRST 4600 Vocational Foundation Skills--Reading and Writing .....	30.0 – 90.0
<b>Total:</b> .....	<b>175.0 – 235.0</b>

## HEALTH CARE TECHNOLOGY

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### Associate of Science in Pharmacy Technician (AS)

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Students may obtain the Associate of Science in Pharmacy Technician by successfully completing the courses in the major program and general education requirements. The Pharmacy Technician Program starts in the fall semester each year. The curriculum is designed to prepare students to work under the direct supervision of a pharmacist in hospitals, community-based pharmacies, and other institutional settings.

## Learning Outcomes

Upon completion of this program, students will be able to:

- Perform the administrative and clinical skills necessary for entry-level employment as a pharmacy technician in a hospital, retail pharmacy, or other institutional setting.
- Provide professional customer service to patients and clients in a pharmacy setting.
- Prepare for licensing as a Pharmacy Technician to the California State Board of Pharmacy.
- Prepare for the Pharmacy Technician Certification Board National examination.

To be considered for admission to the program, applicants must:

1. Complete the prerequisites: Intermediate algebra or higher; Readiness for college-level English or ESL 188
2. Attend the orientation session and pick up the Application to the Pharmacy Technician Program.
3. Complete and submit the Application to the Pharmacy Technician Program to the Pharmacy Technician Office, Room 111, Gym Building, John Adams Campus, by the application deadline date.
4. Attend the individual orientation session scheduled with the Pharmacy Technician instructors to review prerequisite compliance and clinical placement requirements
5. File with the Office of Admissions and Records a completed credit application for admission to City College.

Successful applicants are required to submit evidence of a recent tuberculin skin test or chest x-ray, proof of immunizations, and a physical examination that indicates they are in good physical health, including the following:

- 20/100 vision correctable to 20/30 in both eyes with normal color perception
- the ability to stand unassisted for long periods of time
- the ability to walk, bend, reach, lift product, and stoop frequently
- normal hearing or corrected hearing within the normal range
- the ability to manipulate stationary and mobile medical equipment

Although applicants who meet the above requirements are eligible for the program, classroom space and clinical site placements limit the class size to 30 students; therefore, students are selected by lottery from the eligible applicants.

**Background Check.** A background check may be required by the assigned clinical sites. The cost of this will be incurred by the student. Students must complete this background check prior to clinical placement.

**Drug Screening.** Drug screening may be required by the clinical placement site. The student is responsible for this cost.

**Immunization Screening.** Certain immunizations may be required by the clinical placement site. The student is responsible for this cost.

While students have some choice in how to fulfill their General Education and graduation requirements, the Pharmacy Technician Program recommends the following course work: MATH 80 or MATH 80+80S or ECON 5 or PSYC 5 or LALS 5; ASAM 20 or LALS 1 or AFAM 60 or HIST 12B.

Note that the program description below outlines only how students fulfill the major requirement for an associate degree. The CCSF associate degree has several other components, including general education requirements. Please meet with a counselor and read the Associate Degree Requirements chapter of the CCSF Catalog for complete information. Please contact the Biotechnology Program Coordinator to plan the biotechnology courses for the AS Degree. Assuming a student starts this AS with transfer-level math and English eligibility, the minimum time for completion is 4 semesters. Completion time will vary based on student preparation and the number of units completed per semester.

**Courses Required for the Major in Pharmacy Technician**

Course.....	Units
<b>First Semester</b>	
PHTC 101 Pharmacy Technician I Theory .....	9.0
PHTC 102 Pharmacy Technician I Clinical.....	7.0
<b>Second Semester</b>	
PHTC 103 Pharmacy Technician II Theory .....	9.0
PHTC 104 Pharmacy Technician II Clinical.....	5.0
EMT 12 Basic Life Support for Healthcare Providers .....	0.5
<b>Third Semester</b>	
BIO 108 General Human Anatomy .....	4.0
BIO 112 Introduction to Human Physiology.....	4.0
CMST 5 Intercultural Communication .....	3.0
PSYC 1 General Psychology .....	3.0
<b>Total: .....</b>	<b>44.5</b>

## Health Information Clerk I Certificate of Achievement

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This certificate program prepares students for entry-level positions in health information management departments. Opportunities for employment include basic record management, reception, admitting department functions, scanning of documents, filing and retrieval of records, filing and sorting loose documents, purging of records, storage and retention activities, data entry, processing admissions and discharges, and assembly of medical documents in a sequential order.

### Learning Outcomes

Upon completion of this program, students will be able to:

- Apply record management skills and knowledge necessary for HIM entry-level employment as a health information professional in various health care settings.
- Perform computer applications necessary for HIM entry-level employment as a health information professional.
- Apply the behavioral, communication, ethical, and professional skills necessary for HIM employment as a health information professional in various health care settings.

Note – Anatomy and Physiology may also be taken as distinct courses. ESL 188 can also satisfy this certificate's writing/communication component. Please contact the department.

The minimum time for completion of this certificate is 1 semester. Completion time will vary based on student preparation and number of classes completed per semester.

### Courses Required for the Certificate of Achievement in Health Information Clerk I

Course.....	Units
<b>Required</b>	
HCT 61 Introduction to Health Care.....	2.0
HCT 67 Computer Applications in the Health Care Setting.....	2.0
HIT 50A Medical Terminology I.....	3.0
BIO 106 Introduction to Human Anatomy and Physiology .....	4.0
<b>Choose one of the following</b>	
BSEN 76 Business and Technical Report Writing.....	3.0
CMST 6 Workplace Communication.....	3.0
ENGL 1A College Reading and Composition .....	4.0
<b>Total: .....</b>	<b>14.0 – 15.0</b>

## CVT/Echocardiography Technician Certificate of Achievement

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Students who complete the CVT/Echocardiography Technician training satisfactorily are prepared to hold positions as cardiac sonographers, echocardiography technicians, cardiovascular technicians in a medical center, and cardiology officers in a health center. Graduates are eligible to sit for the national registry examinations: American Registry of Diagnostic Medical Sonography (ARDMS) or Cardiovascular Credentialing International (CCI).

### Learning Outcomes

Upon completion of this program, students will be able to:

- Apply current standards relative to the role of cardiac sonographer.
- Apply clinical knowledge and technical skills necessary to fulfill the role of an entry-level cardiac sonographer.
- Exhibit professionalism according to employer expectations for an entry-level position in cardiac ultrasound.
- Qualify for the national registry examinations in cardiac ultrasound: American Registry of Diagnostic Medical Sonography (ARDMS) or Cardiovascular Credentialing International (CCI).

Students must complete BIO 106 and be eligible for college-level English prior to beginning this program.

The minimum time for completion of this certificate is 4 semesters. Completion time will vary based on student preparation and number of classes completed per semester.

**Courses Required for the Certificate of Achievement in CVT/Echocardiography Technician**

<b>Course.....</b>	<b>Units</b>
<b>Fall Semester</b>	
CVT 101 Cardiovascular Technician .....	3.0
CVT 110 Cardiovascular Skills .....	7.0
ECHO 101 Echocardiography.....	7.0
<b>Spring Semester</b>	
CVT 201 Advanced Cardiovascular Technician .....	4.0
CVT 210A Introductory Echocardiography Professional Practice .....	5.0
ECHO 201 Advanced Echocardiography Technician .....	7.0
<b>Summer Session</b>	
CVT 210B Introductory Echocardiography Professional Practice Work Experience.....	2.0
<b>Fall Semester</b>	
CVT 301 Physics of Cardiac Ultrasound .....	3.0
CVT 310A Intermediate Echocardiography Professional Practice .....	4.0
ECHO 301 Advanced Cardiac Abnormalities .....	5.0
<b>Spring Semester</b>	
CVT 310B Intermediate Echocardiography Professional Practice Work Experience.....	6.5
CVT 410A Echocardiography Professional Practice .....	3.0
ECHO 401 Advanced Echocardiographic Studies.....	6.0
<b>Summer Session</b>	
CVT 410B Echocardiography Professional Experience .....	6.5
<b>Total: .....</b>	<b>69.0</b>

**Pharmacy Technician Certificate of Achievement**

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The Certificate of Achievement in Pharmacy Technician is designed to prepare students to work under the direct supervision of a pharmacist in hospitals, retail pharmacies, and other institutional settings. The Pharmacy Technician Program starts in the Fall Semester each year.

**Learning Outcomes**

Upon completion of this program, students will be able to:

- Perform the administrative and clinical skills necessary for entry-level employment as a pharmacy technician in a hospital, retail pharmacy, or other institutional setting.
- Provide professional customer service to patients and clients in a pharmacy setting.
- Prepare for licensing as a Pharmacy Technician to the California State Board of Pharmacy.
- Prepare for the Pharmacy Technician Certification Board National examination.

To be considered for admission to the program, applicants must:

1. Complete the prerequisites: Elementary algebra or higher; Readiness for college-level English or ESL 188
2. Attend one orientation session scheduled in fall or spring and pick up the Application to the Pharmacy Technician Program.
3. Complete and submit the Application to the Pharmacy Technician Program to the Pharmacy Technician Office, Room 111, Gym Building, John Adams Center, by the deadline date and time.
4. Attend the individual orientation session scheduled with the Pharmacy Technician instructors to review prerequisite compliance and clinical placement requirements



5. File with the Office of Admissions and Records a completed credit application for admission to City College

Successful applicants are required to submit evidence of a recent tuberculin skin test or chest x-ray, proof of immunizations, and a physical examination which indicates they are in good physical health to include the following:

- 20/100 vision correctable to 20/30 in both eyes with normal color perception
- able to stand unassisted for long periods of time
- able to walk, bend, reach, lift product, and stoop frequently
- possess normal hearing or corrected hearing within the normal range
- able to manipulate stationary and mobile medical equipment

Although all applicants who meet the above requirements are eligible for the program, classroom space and clinical site placements limit the class size to 30 students; therefore, students are selected by lottery from the eligible applicants.

**Background Check.** A background check may be required by the assigned clinical sites. The cost of this will be incurred by the student. Students must complete this background check prior to clinical placement.

**Drug Screening.** Drug screening may be required by the clinical placement site. The student is responsible for this cost.

**Immunization Screening.** Certain immunizations may be required by the clinical placement site. The student is responsible for this cost.

The minimum time for completion of this certificate is 2 semesters. Students must have a valid BLS Health Care Provider CPR card to complete the work experience.

### **Courses Required for the Certificate of Achievement in Pharmacy Technician**

<b>Course</b> .....	<b>Units</b>
<b>First Semester:</b>	
PHTC 101 Pharmacy Technician I Theory* .....	9.0
PHTC 102 Pharmacy Technician I Clinical* .....	7.0
* Both theory and clinical courses must be taken in the same semester.	
<b>Second Semester:</b>	
PHTC 103 Pharmacy Technician II Theory* .....	9.0
PHTC 104 Pharmacy Technician II Clinical* .....	5.0
* Both theory and clinical courses must be taken in the same semester.	
<b>Total:</b> .....	<b>30.0</b>

## **INTERDISCIPLINARY STUDIES**

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### **Critical Pacific Islands & Oceania Studies Certificate of Accomplishment**

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The Critical Pacific Islands & Oceania Studies Certificate of Accomplishment introduces students to a substantive and critical analysis of Pacific peoples and cultures in the U.S. diaspora and beyond. Centering on the voices of native Pacific Islanders, this interdisciplinary curriculum examines historical and contemporary topics, including colonization, militarization, social movements, diversity, social justice, and immigration. Courses in the program meet University of California (UC) and California State University (CSU) transfer requirements and/or City College of San Francisco General Education (GE) area requirements D (Behavioral and Social Sciences) & E (Humanities).

The program is ideal for students beginning their college studies and those whose work involves interacting with native Pacific Islanders and other communities of color such as service providers, health practitioners, law

## Learning Outcomes

Upon completion of this program, students will be able to:

- Describe the diversity of the Oceania/Pacific Islander communities in the United States and beyond.
- Apply the methods of inquiry used in the study of indigenous Pacific Islander communities.
- Evaluate the expression of the ocean aesthetic across Pacific Islander cultural practices.
- Analyze how forms of social oppression shape artistic expressions across Oceania.

Minimum time for completion is 1 semester. Completion time will vary based on student preparation and number of units completed per semester.

## Courses Required for the Certificate of Accomplishment in Critical Pacific Islands & Oceania Studies

Course.....	Units
<b>Required</b>	
IDST 45 Pacific Islanders in the U.S.....	3.0
IDST 46 Fa'a Pasefika: Interdisciplinary Cultural Expressions of Oceania .....	3.0
<b>Total: .....</b>	<b>6.0</b>

## MATHEMATICS

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### Associate of Science in Data Science (AS)

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The Associate of Science in Data Science degree is designed to provide students with sufficient understanding of concepts in the fields of Mathematics, Data Science, and Computer Science to succeed in upper division coursework in Data Science at a four-year college or university.

The field of Data Science is one with a multitude of employment opportunities. Completing this degree will aid students in developing a wide variety of skills that are valuable in collaborative Data Science work environments. Students who complete this degree stand to improve their employment prospects in the field of Data Science, but also in many applied fields, such as Biology, Sociology, or Finance.

## Learning Outcomes

Upon completion of this program, students will be able to:

- Apply analytical concepts and techniques from statistics, probability, calculus, and linear algebra to problems in the field of Data Science.
- Create computer programs that use common data structures.
- Analyze data and communicate the analysis using industry-standard applications.
- Integrate analytical and computational techniques using data from a domain of interest.

Note that the program description below outlines only how students fulfill the major requirement for an associate degree. The CCSF associate degree has several other components, including general education requirements. Please meet with a counselor and read the Associate Degree Requirements chapter of the CCSF Catalog for complete information. Generally, minimum time for completion of an AA or AS degree is four semesters, depending on student preparation and the number of units completed per semester.

## Courses Required for the Major in Data Science

Course.....	Units
<b>Required</b>	
MATH 110A Calculus I.....	5.0
MATH 110B Calculus II.....	5.0
MATH 120 Linear Algebra .....	3.0

**Choose one of the following**

MATH 108 Foundations of Data Science*	5.0
ECON 5 Introductory Statistics for Economics, Business and Social Sciences **	5.0
LALS 5 Introduction to Statistical Methods in Latin American and Latino/a Studies	5.0
MATH 80 Probability and Statistics	5.0
PSYC 5 Statistics for Behavioral Sciences	5.0

\* Students are strongly advised to meet with a counselor when planning their course work, as Statistics course options might impact transferability, especially to the UC system.

\*\* Students who take ECON 5, LALS 5, MATH 80, or PSYC 5 should also take CS 10 if they do not have prior computer programming experience. Be advised that this will not be accepted in place of DATA 8 at UC Berkeley.

**Choose one of the following**

CS 110B Programming Fundamentals: C++	4.0
CS 111B Programming Fundamentals: Java	4.0

**Choose one of the following**

CS 110C Data Structures and Algorithms: C++	4.0
CS 111C Data Structures and Algorithms: Java	4.0

**Choose one of the following**

ASTR 16 Observational Astronomy*	1.0
BIO 112 Introduction to Human Physiology	4.0
CHEM 101B General College Chemistry	5.0
CS 131B Programming Fundamentals: Python	4.0
CS 150A Introduction to SQL Databases and NoSQL	3.0
CS 256 Data Visualization	3.0
ENVS 31 Introduction to Environmental Science	3.0
FIN 110 Principles of Risk Management	3.0
FIN 136M Personal Financial Planning Math Emphasis	3.0
FIN 138 Principles of Investment	3.0
GEOG 110 Introduction to GIS	3.0
MATH 115 Discrete Mathematics	3.0
PSYC 2 Research Methods	3.0
SOC 21 Introduction to Research Methods	3.0

\* ASTR 16 is a lab course. Students who choose this course will be required to take ASTR 1, 17, 18, or 19 in addition to taking ASTR 16.

**Recommended**

CMST 20 Interpersonal Communication	3.0
<b>Total:</b>	<b>27.0 – 31.0</b>

**VISUAL MEDIA DESIGN**

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**Digital Animation Certificate of Achievement**

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The Digital Animation certificate builds on the Digital Art Foundation Certificate for students interested in Digital Animation. It combines the study of animation, art, graphics and problem solving using the tools and techniques for digital animation. This course of study prepares students for entry-level positions in digital animation. This certificate requires successful completion of the Digital Art Foundation Certificate or demonstration of equivalent knowledge and skills.

## Learning Outcomes

Upon completion of this program, students will be able to:

- Define and apply principles of animation in creative work.
- Create, edit, and troubleshoot animated project files using industry-standard tools and software.
- Analyze and critique creative work in verbal and written form.
- Employ professional design and production studio practices.
- Manage a portfolio of animation work.

The minimum time for completion of this certificate is 2 semesters. Completion time will vary based on student preparation and number of classes completed per semester.

## Courses Required for the Certificate of Achievement in Digital Animation

Course.....	Units
<b>Required</b>	
VMD 162A 2D Animation I .....	3.0
VMD 162B 2D Animation II .....	3.0
VMD 166 Storytelling and Storyboarding.....	3.0
VMD 190 Portfolio Preparation .....	3.0
VMD 194A Internship/Work Experience 1 .....	1.0 – 3.0
<b>Choose one of the following</b>	
ART 132A Beginning Figure Drawing .....	3.0
ART 130B Intermediate Drawing .....	3.0
<b>Choose one of the following</b>	
ART 136A Introduction to Illustration .....	3.0
VMD 168 Visual Development for Animation.....	3.0
VMD 170 Digital Illustration I.....	3.0
<b>Total: .....</b>	<b>19.0 – 21.0</b>

## WOMEN'S AND GENDER STUDIES

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### Sexual Health Educator Certificate of Achievement

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The curriculum for the Sexual Health Educator Certificate will train students as paraprofessionals in safe and healthy sexuality including violence prevention and intervention, HIV/STI prevention, and the promotion of mature intimate relationships.

The integrated program offers students an opportunity to identify various markers of sexual health, which will enable them to promote healthy and safer sexual relationships in their client populations. They will be able to teach others to negotiate sexual situations with more confidence, knowing their limits, recognizing danger zones, assessing risk factors, and respecting their own and their partners' needs.

## Learning Outcomes

Upon completion of this program, students will be able to:

- Identify the biological, psychological, and social aspects of human sexuality, including issues pertaining to reproductive rights and health.
- Apply client-centered approaches to providing sexual wellness information, systems navigation and relevant referrals to diverse communities.
- Utilize an intersectional feminist lens to analyze how systems of oppression perpetuate abuses of power in interpersonal relationships and identify strategies for prevention and healing from sexual violence.

- Use peer education techniques to teach about healthy, non-violent relationships and to raise awareness of how personal experiences are impacted by social and political realities.

**Credit toward Graduation.** Credit earned to obtain the Certificate of Achievement satisfies the G1 and H2 graduation requirements, and course work is transferable to the California State University.

**Credit toward other CCSF Certificates.** Several of the required and elective courses of the Certificate satisfy required or elective courses of the Community Health Worker, Infectious Disease Prevention in Priority Populations, and Trauma Prevention and Recovery Certificates.

The minimum time for completion of this certificate is 1 semester. Completion time will vary based on student preparation and number of classes completed per semester.

**Courses Required for the Certificate of Achievement in Sexual Health Educator**

<b>Course.....</b>	<b>Units</b>
<b>Required</b>	
WGST 54 The Politics of Sexual Violence.....	3.0
WGST 55 Ending Sexual Violence: Peer Education .....	3.0
IDST 17 Human Sexuality.....	3.0
HLTH 67 HIV and Hepatitis Navigation Skills .....	3.0
or HLTH 54 Introduction to Public Health .....	3.0
<b>Choose 4 units from the following, unless already taken above</b>	
ANTH 20 Queer Anthropology .....	3.0
ANTH 25 Culture, Gender and Sexuality .....	3.0
HLTH 38 Trauma Response and Recovery.....	3.0
HLTH 48 Violence as a Public Health Issue: Prevention Strategies .....	3.0
HLTH 54 Introduction to Public Health .....	3.0
HLTH 64 Health Education Training: Skills and Practice.....	3.0
HLTH 67 HIV and Hepatitis Navigation Skills .....	3.0
HLTH 95 Transgender Health: Working with Clients and Communities .....	1.0
IDST 80A Diversity and Social Justice: Racism .....	0.5
IDST 81B Diversity and Social Justice: Anti-Semitism/Anti-Arabism .....	1.0
IDST 80C Diversity and Social Justice: Sexism .....	0.5
IDST 80D Diversity and Social Justice: Heterosexism .....	0.5
IDST 80E Diversity and Social Justice: Ableism.....	0.5
IDST 80F Diversity and Social Justice: Class and Classism .....	0.5
IDST 80G Diversity and Social Justice: Transphobia .....	0.5
LGBT 21 Intimacy and Relationships between Women and Nonbinary People .....	3.0
LGBT 24 Male Intimacy and Relationships.....	3.0
PSYC 9 Psychology of Stress.....	3.0
PSYC 14 Psychology of Shyness .....	1.0
PSYC 15 Assertive Behavior .....	1.0
PSYC 17 Psychology of Eating, Food, and Weight.....	1.0
PSYC 25 Psychology of Gender.....	3.0
SOC 25 Sex and Gender in the U.S. ....	3.0
SOC 35 Sex, Marriage, and Family Relationships .....	3.0
WGST 35 Introduction to Masculinity Studies .....	3.0
<b>Total: .....</b>	<b>16.0</b>