



DIEGO RIVERA MURAL, FRIDA KAHLO

# OVERVIEW OF THE COLLEGE



### OVERVIEW OF THE COLLEGE

#### Associate in Arts or Associate in Science Degree

City College of San Francisco, a two-year college, confers the degrees of Associate in Arts, Associate in Science, Associate in Arts for Transfer, and Associate in Science for Transfer on students who satisfy the course and grade requirements for graduation.

#### Extensive Choice of Disciplines and Courses

The College offers you an extensive choice of disciplines and courses. Additionally, students may complete the first two years of training for a profession, satisfy freshman and sophomore requirements for transfer to baccalaureate degree-granting institutions; prepare for employment at the end of two years or a shorter period of training; take evening, Saturday, and summer courses; remove educational deficiencies; or get other special preparation.

#### Instructional Areas Include the Following:

**Program in General Education.** An extensive selection of courses in the humanities, the arts, the natural and social sciences, and other fields.

**Transfer Program.** Courses offered to satisfy lower-division requirements to enable students to transfer to baccalaureate degree-granting institutions as juniors.

**Occupational Program.** Training for employment in occupations normally requiring two years or less of specialized career preparation.

**Diversity Studies.** Courses directed specifically to the interest and educational objectives of major segments of the San Francisco community including courses in African American, Asian American, Latin American, Lesbian, Gay, Bisexual and Transgender, and Philippine Studies.

**International Education.** Courses taught in other countries through Study Abroad and courses taught locally for international students, including an Intensive English Institute.

**Distance Education Courses.** Courses that are offered via online and hybrid instruction.

**Foundation Courses.** Basic courses in business, English, guidance, and mathematics.

**Noncredit Courses.** Mostly open-entry/open-exit courses, many emphasizing vocational education, leading to employment or job upgrading but also including courses in English as a Second Language, elementary-level and secondary-level skills, workforce preparation, parent education, health and safety, home economics, citizenship for immigrants, and special courses for disabled persons and older adults.

**Community Service Offerings.** Workshops and other short-term offerings that serve community interests and for which fees are charged because no tax support is available.

#### College Accreditation

City College of San Francisco is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 10 Commercial Blvd., Suite 204, Novato, CA 94949, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found at: [www.accjc.org](http://www.accjc.org). Information related to the College's accreditation is available at [www.ccsf.edu/accreditation](http://www.ccsf.edu/accreditation).

The following programs are subject to additional accreditation and certification standards:

#### Administration of Justice Department

ADMJ 85. PC 832 Arrest & Control  
Presenter number 4540

Accredited by:

California Commission on Peace Officer Standards and Training  
860 Stillwater Road, Suite 100  
West Sacramento, CA 95605  
916-227-3909

#### Aircraft Maintenance Technology Program

Certified by:

The Federal Aviation Administration  
US Department of Transportation  
Federal Aviation Administration  
800 Independence Avenue, SW  
Washington, DC 20591  
1-866-TELL-FAA (1-866-835-5322)

#### Culinary Arts and Food Service Management Programs

Accredited by:

The American Culinary Federation  
Send comments in writing to:  
American Culinary Federation Education Foundation  
Attn: Accreditation  
180 Center Place Way  
St. Augustine, FL 32095  
Fax: 904-940-0741

#### Dental Assisting Program

Accredited by:

The Commission on Dental Accreditation  
American Dental Association  
211 East Chicago Avenue  
Chicago, Illinois 60611  
312-440-4653  
[www.ada.org/coda](http://www.ada.org/coda)  
Approved by:  
Dental Board of California  
2005 Evergreen Street, Suite 1550  
Sacramento, CA 95815  
877-729-7789 (Toll Free)  
916-263-2300 (Direct)

#### Diagnostic Medical Imaging (DMI) Program

Accredited by:

The Joint Review Committee on Education in Radiologic Technology  
20 N. Wacker Drive, Suite 2850  
Chicago, IL 60606-3182  
Phone: 312-704-5300  
Fax: 312-704-5304

Accredited by:

The Radiologic Health Branch of the California State Department of Public Health  
1500 Capitol Avenue, 5th Floor, MS 7610  
Sacramento, CA 95814-5006  
Phone: (916) 327-5106 Fax: (916) 440-7999

Approved by:

American Registry of Radiologic Technologists  
1255 Northland Dr.  
St. Paul, MN 55120-1155  
Phone: (651) 687-0048

**Addiction & Recovery Counseling Certificate**

Accredited by:  
The California Consortium of Addiction Programs and Professionals (CCAPP)  
P.O. Box 214127  
Sacramento, CA 95821  
Phone: 916-338-9460  
Fax: 916-338-9468  
Submit complaints: <https://www.ccapp.us/index.php/credentialing-complaints>

**EMT & Paramedic Programs**

The EMT Program is approved by the State of California EMS Authority and local approving EMS agency.

The Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) under the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Profession (CoAEMSP). Program #600218

Commission on Accreditation of Allied Health Education Programs (CAAHEP)  
9355 113th St. N #7709  
Seminole, FL 33775  
[mail@caahep.org](mailto:mail@caahep.org)

Committee on Accreditation of Educational Programs for the Emergency Medical Services Profession (CoAEMSP)  
8301 Lakeview Parkway, Suite 111-312  
Rowlett TX 75088  
Phone: 214-703-8445  
Fax: 214-703-8992  
[www.coaemsp.org](http://www.coaemsp.org)

**Fire Science Technology Program**

Accredited by:  
The California State Fire Marshal's Office of State Fire Training  
PO Box 944246  
Sacramento, CA 94244-2460  
<http://osfm.fire.ca.gov/training/accreditedacademies.php>

**Health Information Management Program (Associate in Science)**

Accredited by:  
The Commission on Accreditation for Health Informatics and Information Management (CAHIIM)  
200 East Randolph Street, Suite 5100  
Chicago, IL 60601  
(312) 235-3255  
<http://www.cahiim.org>

**Licensed Vocational Nursing Program**

Approved by:  
The Board of Vocational Nursing and Psychiatric Technicians  
2535 Capitol Oaks Drive, Suite 205  
Sacramento, CA 95833  
916-263-7800  
[bvnpt@dca.ca.gov](mailto:bvnpt@dca.ca.gov)

**Medical Assisting Program**

Accredited by:  
The Commission on Accreditation of Allied Health Education Programs (CAAHEP)  
9355 113th St. N #7709  
Seminole, FL 33775  
[mail@caahep.org](mailto:mail@caahep.org)

On recommendation of the Medical Assisting Education Review Board (MAERB).

Phone: 727-210-2350  
Fax: 727-210-2354  
Website: [www.caahep.org](http://www.caahep.org)  
Submit complaints: <http://www.caahep.org/File-Complaints/>

**Nursing Assistant & Home Health Aide Program**

Accredited by:  
California Department of Public Health (CDPH)  
Licensing and Certification Program (L&C)  
Aide and Technician Certification Section (ATCS)  
Training Program Review Unit (TPRU)  
MS 3301, P.O. Box 997416  
Sacramento, CA 95899-7416  
Phone: (916) 327 2445  
Fax: (916) 324 0901  
[TURP@cdph.ca.gov](mailto:TURP@cdph.ca.gov)

**Pharmacy Technician**

Accredited by:  
American Society of Health-System Pharmacists  
PO Box 38061  
Baltimore, MD 21297-8061  
Phone: 866-279-0681  
Fax: 301-657-1251

**Registered Nursing Program**

Approved by:  
The California State Board of Registered Nursing  
P.O. Box 944210  
Sacramento, CA 94244-2100  
[http://www.rn.ca.gov/about\\_us/whatisbrn.shtml](http://www.rn.ca.gov/about_us/whatisbrn.shtml)  
Submit complaints:  
Board of Registered Nursing, Attn: Complaint Intake  
P.O. Box 944210  
Sacramento, CA 94244-2100  
Fax: 916-574-7693

**Student Affairs**

City College offers a wide variety of services which are designed to assist you with completing your educational goal. The Division of Student Affairs is responsible for Admissions and Records Credit and Non-Credit, CalWORKs, DSPS, EOPS, Financial Aid, Assessment Center, Outreach & High School Partnerships, Scholarships, Student Conduct & Discipline, Student Health Services, Student Activities, Completion Center, Student Equity, and Veteran's and the following counseling and tutoring departments: Academic Student Counseling, Transfer Counseling, Career Counseling and Multicultural Retention Services. The following Student Resource Programs are available: City DREAM, Guardians Scholars, Homeless-At-Risk-Transitional Students (HARTS), Queer Resource, Students Supporting Students and Family Resource Center. Other services are available to assist you as you work toward attaining your educational goals.

**Counseling Services**

As a student at City College, students receive individual counseling from an academic counselor. Through its counseling programs, the College helps students choose an occupation; plan a program of study based on individual interests, abilities, and needs; develop educational plans; provide various types of educational counseling, including academic, career, transfer, and personal, and assist students with personal problems or other matters affecting their studies or college career.

## 4 Overview of the College

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### Career Services

CCSF students and alumni are entitled to all the career services provided by Career Development Counseling and the Career Services Office. Counselors will assist in choosing majors and careers, career assessment, exploration, planning and job search. Career services include individual career counseling, online advising, workshops, career success courses, and job resource information. Additional information can be found at [www.ccsf.edu/CareerServices](http://www.ccsf.edu/CareerServices).

### Learning Assistance Center

The Learning Assistance Center offers a variety of programs and services designed to help you become a more efficient, independent learner and to make your educational experience at City College more successful. The Tutorial Center provides free tutoring in mathematics, sciences, business, social sciences, foreign languages, and other subjects. English instructors and tutors are available to help students in the Writing Success Project. The LAC Computer Lab offers access to the Internet and e-mail, and to educational CD, DVD, and software programs. College Success Courses are offered through the Learning Assistance Department. The Learning Assistance Center at the Mission Center offers many of these services. Tutoring is available for many subjects both in-person and online as well as synchronously and asynchronously.

### Associated Students

Any student currently enrolled in a class at City College of San Francisco is a member of the Associated Students (AS). The AS Constitution sets up an Executive Board as a representative body for all CCSF campus and centers to facilitate communication, leadership, and advocacy. Further, the AS Executive Council appoints all student members to serve on participatory governance committees. There are active Associated Student Councils at various CCSF locations including: Chinatown/North Beach, Civic Center, Downtown, Evans, John Adams, Mission, Ocean and Southeast. Each Associated Student Council may adopt its own set of by-laws to guide local governance.

Each spring, the Associated Students elects a student trustee to represent its interests on the San Francisco Community College Board of Trustees.

The AS Ocean Campus funds diverse resource centers and programs including: the Bookloan Program, Dr. Betty Shabazz Family Resource Center, Guardian Scholars, HARTS, Queer Resource Center, Women's Resource Center, Student Health, Students Supporting Students (S3), and more than 60 clubs and campus organizations. There is a \$7 optional Student Activity Fee, payable at registration, to help support these centers and programs.

For information regarding the Associated Students, please contact the Student Activities Office in the Student Union Building, Room 205, Ocean Campus.

### Inter-Club Council (ICC)

Recognized and funded by the Associated Student Council - Ocean Campus, the ICC consists of elected representatives from over 60 clubs. For more information about an existing club or about starting a new club, please stop by the Student Union Room 209 and pick up a club packet.

### Student Activities Office - Student Union

City College of San Francisco provides a program of student activities that encourages student leadership, participation in participatory governance, and involvement in campus life. Information is available in the Student Union Building, Room 205, Ocean Campus. The Student

Union at the Ocean Campus is a place where recognized student clubs and organizations can meet, socialize, and sponsor events. It is also a place where individual students and small groups can study and relax. There are AS Councils that sponsor student activities at the following locations: Chinatown/North Beach, Civic Center, Downtown, Evans, John Adams, Mission, Ocean, and Southeast.

### Transfer to Universities and Colleges

To earn the Bachelor's or a higher degree, or to complete training for a profession, you may transfer from City College to a university or a college as follows:

If, when you enter City College, you have already satisfied the requirements for admission to a university or a college, you may transfer with full credit whenever you have completed the proper university courses satisfactorily. Because the College is accredited nationally and offers preparation for so many fields, you have a wide choice of schools at which to take advanced courses. Generally, to be eligible for transfer, you will need an average final grade not lower than C in all courses that you attempt.

If you need to make up high school courses or grades, you may remove your deficiencies while you take the university courses for which you are qualified. The courses and grades necessary for transfer and the number of semesters you will need to complete depend upon the requirements of the university or college at which you plan to continue your studies.

The section in this catalog entitled "Transfer Information" lists general transfer requirements for the University of California (all campuses) and California State University (all campuses).

Articulation agreements which list detailed information concerning specific majors and which describe course transferability and applicability between City College of San Francisco and public baccalaureate degree-granting institutions in California are available online, [www.assist.org](http://www.assist.org). Other articulation information for City College can be found at [www.ccsf.edu/artic](http://www.ccsf.edu/artic).

## Associate Degrees and Certificate Programs

### Administration of Justice and Fire Science

#### ASSOCIATE DEGREE

Administration of Justice Major (AS-T) .....	69
Administration of Justice Major (AS) .....	70
Fire Science Technology Major (AS) .....	72

#### CREDIT CERTIFICATE

Administration of Justice Certificate .....	70
Basic Fire Academy (Accredited Local Academy) Certificate .....	73
Basic Police Officer Certificate .....	71
Company Officer Certificate .....	73
Crime Scene Investigation Certificate .....	71
Criminal and Constitutional Law Certificate .....	71
Fire Protection Certificate .....	74
Firefighter 1 Academy Certificate .....	74
Homeland Security Certificate .....	74
Public Safety LGBTQ + Awareness Certificate .....	72

### Aircraft Maintenance Technology

#### ASSOCIATE DEGREE

Aircraft Powerplant Maintenance Technology Major (AS) .....	84
Airframe Maintenance Technology Major (AS) .....	84

#### CREDIT CERTIFICATE

Aircraft Powerplant Maintenance Technology Certificate .....	85
Airframe-Maintenance Technology Certificate .....	85

### Anthropology

#### ASSOCIATE DEGREE

Anthropology Major (AA-T) .....	87
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### Architecture

#### ASSOCIATE DEGREE

Architecture Major (AS) .....	90
Construction Management Major (AS) .....	91
Interior Design Major (AS) .....	90

#### CREDIT CERTIFICATE

Collaborative Design Certificate* .....	92
Construction Management: Advanced Skills Certificate .....	91
Construction Management: Core Skills Certificate .....	92
Core Skills Interior Design Certificate .....	92

### Art

#### ASSOCIATE DEGREE

Art History Major (AA-T) .....	95
Studio Arts Major (AA-T) .....	95

### Asian American Studies

#### ASSOCIATE DEGREE

Social Justice Studies: Asian American Studies Major (AA-T) ...	102
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#### CREDIT CERTIFICATE

Asian American Studies Certificate .....	102
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### Asian Studies

#### CREDIT CERTIFICATE

Asian Studies Certificate .....	104
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### Automotive/Motorcycle, Construction, and Building Maintenance

#### ASSOCIATE DEGREE

Autobody Repair and Refinishing Major (AS) .....	109
Automotive Technician Major (AS) .....	108
Construction Major (AS) .....	111
Motorcycle Technician Major (AS) .....	110

#### CREDIT CERTIFICATE

Autobody Repair and Refinishing Certificate .....	110
Automotive Hybrid and EV Technology Certificate .....	108
Automotive Technician Certificate .....	109
Carpentry Certificate .....	111
Construction Certificate .....	111
Motorcycle Technician Certificate .....	110
Utility Technician / Helper Certificate .....	109

#### NONCREDIT CERTIFICATE

Custodial Training Certificate of Completion .....	112
Custodian for Health Care Industry Certificate of Completion .....	112

### Biological Sciences

#### ASSOCIATE DEGREE

Biology Major (AS-T) .....	118
Biological Sciences Major (AS) .....	119
Biological Sciences (Emphasis Health Science) Major (AS) .....	119
Environmental Science Major (AS) .....	120

#### CREDIT CERTIFICATE

Foundations in Biological Sciences Certificate .....	120
Science Core for Nursing Certificate .....	121

### Broadcast Electronic Media Arts

#### ASSOCIATE DEGREE

Film, Television & Electronic Media Major (AS-T) .....	126
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#### CREDIT CERTIFICATE

Audio and Video for the Web Certificate .....	126
AV Technologist Certificate Program Certificate .....	127
Broadcast Motion Graphics Certificate .....	127
Convergent Media Production Certificate .....	128
Entrepreneurship and Innovation in Broadcast Media Certificate ..	128
Foundations in Broadcast Electronic Media Arts Certificate ....	129
Live Sound Certificate .....	129
Multimedia Broadcast Journalism Certificate .....	129
Multimedia Content Creation for the Internet Certificate .....	130
Sound Design Certificate .....	130
Sound Recording Arts Certificate .....	130
Television Production Certificate .....	131
Video Editing and Post Production Certificate .....	131

### Business

#### ASSOCIATE DEGREE

Business Administration Major (AS-T) .....	144
Accounting Major (AS) .....	136



## 6 Overview of the College

Administrative Support Major (AS) .....	139
California Real Estate Major (AS) .....	149
Finance Major (AS) .....	144
General Business Major (AS) .....	145
Human Resources Management Major (AS) .....	146
Marketing Major (AS) .....	148
Paralegal/Legal Studies Major (AS) .....	148
Supervision and Management Program Major (AS) .....	146

### CREDIT CERTIFICATE

California Real Estate Certificate .....	150
Computer Accounting Certificate .....	137
Construction Office Administration Certificate .....	139
Entrepreneurship and Innovation in Business Certificate .....	143
Finance Certificate .....	144
General Business Certificate .....	145
Human Resources Management Certificate .....	147
International Business Certificate .....	146
Marketing Certificate .....	148
Microsoft Office Specialist Certificate .....	140
Office Technology Certificate .....	140
Office Administration Specialist Certificate .....	140
Paralegal/Legal Studies Certificate .....	149
Retail Management Certificate .....	150
Supervision and Management Certificate .....	147

### NONCREDIT CERTIFICATE

Accounting Assistant & Core Skills Certificate of Completion .....	137
Bookkeeping Certificate of Completion .....	138
Business Communication Noncredit Certificate .....	140
Business Information Worker (BIW) Certificate of Completion .....	141
Business Website Builders Certificate of Completion .....	141
Cloud-Based Accounting Systems Certificate of Completion .....	138
Digital Literacy & Core Skills Certificate of Completion .....	141
Electronic Publishing Certificate of Completion .....	142
Excel Professional I Microsoft Office Specialist (MOS) Certificate of Completion .....	142
Excel Professional II Microsoft Office Specialist (MOS) Certificate of Completion .....	142
Income Tax Fundamentals Certificate of Completion .....	138
Medisoft for Business Certificate of Completion .....	143
QuickBooks & Spreadsheets for Accounting Certificate of Completion .....	138
Small Business Certificate of Completion .....	151
Website Development for E-Business Certificate of Completion .....	143

## Chemistry

### CREDIT CERTIFICATE

Chemistry Certificate .....	164
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## Child Development and Family Studies

### ASSOCIATE DEGREE

Child and Adolescent Development Major (AA-T) .....	166
Early Childhood Education Major (AS-T) .....	167

Child Development & Family Studies Major (AS) .....	167
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### CREDIT CERTIFICATE

Child Development: Administration Certificate .....	168
Child Development: Family Childcare Certificate .....	168
Child Development: Infant/Toddler Care Certificate .....	169
Child Development: Pre-Teacher Certificate .....	169
Child Development: Professional Development and Advocacy Certificate .....	170
Child Development: School-Age Care Certificate .....	170
Child Development: Violence Intervention in Early Childhood Certificate .....	170
Child Development: Youth Worker Certificate .....	171
ECE Associate Teacher Certificate .....	171
ECE Practitioner Certificate .....	172
Introduction to Special Education Certificate .....	172
Special Education TK-12 Certificate .....	172
Special Education: ECE Intervention Certificate .....	173

## Chinese

### ASSOCIATE DEGREE

Chinese (Mandarin) Major (AA) .....	180
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### CREDIT CERTIFICATE

Chinese (Mandarin) Certificate .....	181
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## Cinema

### ASSOCIATE DEGREE

Film, Television & Electronic Media Major (AS-T)* .....	185
Cinema Production Major (AS) .....	184
Film Studies Major (AA) .....	185

### CREDIT CERTIFICATE

Cinema Foundations Certificate .....	185
Cinematography Certificate .....	185
Directing Certificate .....	186
Film Studies Certificate .....	186
Pre-Production/Producing Certificate .....	187
Scriptwriting Certificate .....	187

## Communication Studies

### ASSOCIATE DEGREE

Communication Studies Major (AA-T) .....	190
--	-----

## Computer Networking and Information Technology

### ASSOCIATE DEGREE

Computer Networking and Information Technology Major (AS) .....	192
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### CREDIT CERTIFICATE

Advanced Cybersecurity Certificate .....	194
Advanced Web Development Techniques Certificate .....	193
Computer Technical Support Certificate .....	193
Computer Technician Certificate .....	194
Cybersecurity Certificate .....	194
Front-End Web Development Certificate .....	194
Fundamentals of Networking Certificate .....	195
Fundamentals of Technical Support Certificate .....	195

Internet of Things Certificate .....	195
Maker Studies Certificate* .....	195
Microsoft Windows Networking Certificate .....	196
Mobile Web App Development Certificate .....	196
Network Security Certificate .....	196
Routing and Switching (Cisco) Certificate .....	196
Security for Web App Development Certificate .....	197
Wireless Networking Certificate .....	197

## Computer Science

ASSOCIATE DEGREE	
Computer Science Major (AS) .....	203
CREDIT CERTIFICATE	
Android App Programming Certificate .....	204
Computer Programming: C++ Certificate .....	204
Computer Programming: Java Certificate .....	205
Data Science Fundamentals Certificate .....	205
Databases for Developers Certificate .....	205
Game and Simulation Programming Certificate .....	206
iPhone App Programming Certificate .....	206
Linux Administration Certificate .....	207
Web Application Programming Certificate .....	207

## CSU GE-Breadth

CREDIT CERTIFICATE	
CSU GE-Breadth Certificate .....	211

## Culinary Arts and Hospitality Studies

ASSOCIATE DEGREE	
Culinary Arts Management Major (AS) .....	213
Food Service Management Major (AS) .....	214
Hospitality Management Major (AS) .....	215
CREDIT CERTIFICATE	
Culinary Arts and Hospitality Certificate .....	215
Entrepreneurship and Innovation in Hospitality Management Certificate .....	216
NONCREDIT CERTIFICATE	
Culinary Arts Basic Training Certificate of Completion .....	220
Culinary and Service Skills Training Certificate of Completion .....	220
Baking and Pastry Certificate of Completion .....	221

## Dental Assisting

ASSOCIATE DEGREE	
Dental Assisting Major (AS) .....	221
CREDIT CERTIFICATE	
Dental Assisting Certificate .....	223

## Earth Sciences

ASSOCIATE DEGREE	
Geography Major (AA-T) .....	227
Geology Major (AS-T) .....	228
Environmental Studies Major (AS) .....	226
Oceanography Major (AS) .....	229
CREDIT CERTIFICATE	
Geographic Information Systems (GIS) Certificate .....	230

## Economics

ASSOCIATE DEGREE	
Economics Major (AA-T) .....	232

## Engineering and Technology

ASSOCIATE DEGREE	
Biotechnology Major (AS) .....	235
Engineering Major (AS) .....	234
Electronic Engineering Technology Major (AS) .....	236
Mechanical Engineering Technology Major (AS) .....	237
CREDIT CERTIFICATE	
Basic Electronics Certificate .....	241
Biotechnology Certificate .....	238
Biotechnology Lab Assistant Certificate .....	239
Biotechnology Work Experience Certificate .....	239
Computer Aided Design (CAD)-Architectural Certificate .....	242
Computer Aided Drafting (CAD) Certificate .....	243
Engineered Plumbing Systems Certificate .....	240
Heating, Ventilation, Air-Conditioning and Refrigeration Certificate .....	238
Intermediate Electronics Certificate .....	242
Machining Technology Level I Certificate .....	240
Machining Technology Level II Certificate .....	241
Manufacturing and Fabrication Certificate .....	243
Stem Cell Technology Certificate .....	240
Sustainability Certificate .....	241
Welding Technology Level I Certificate .....	243

## English

ASSOCIATE DEGREE	
English Major (AA-T) .....	250
English Major (AA) .....	251
CREDIT CERTIFICATE	
Creative Writing Certificate .....	251

## English as a Second Language

CREDIT CERTIFICATE	
Advanced Academic English as a Second Language Certificate .....	256
Advanced English as a Second Language Oral Communication Skills Certificate .....	256
Guided Pathways ESL Milestone in Child Development Certificate .....	256
NONCREDIT CERTIFICATE	
Beginning VESL Communication Certificate of Competency ...	264
Beginning VESL for Janitorial Workers Certificate of Competency .....	264
Beginning VESL for the Hospitality Industry Certificate of Competency .....	265
ESL Advanced Low Certificate of Competency .....	263
ESL Beginning High Certificate of Competency .....	261
ESL Beginning High Focus Skills Certificate of Competency ...	261
ESL Beginning High Oral Communication Skills Certificate of Competency .....	261
ESL Beginning Intensive Certificate of Competency .....	261

## 8 Overview of the College

ESL Beginning Low Certificate of Competency .....	260
ESL Beginning Low Focus Skills Certificate of Competency ....	260
ESL Beginning Low Oral Communication Skills Certificate of Competency .....	260
ESL Beginning Workplace Skills Certificate of Competency ....	264
ESL Computer Assisted Certificate of Competency .....	262
ESL Intermediate High Certificate of Competency .....	263
ESL Intermediate High Focus Skills Certificate of Competency .....	263
ESL Intermediate Low Certificate of Competency .....	262
ESL Intermediate Low Focus Skills Certificate of Competency ..	262
ESL Intermediate Oral Communication Skills Certificate of Competency .....	263
ESL Literacy Certificate of Competency .....	259
ESL Pre-Academic Noncredit Certificate .....	264
High Beginning VESL for Job Search Certificate of Competency .....	265
High Intermediate ESL for Health Professionals Certificate of Competency .....	265
Intermediate VESL for Job Searching Certificate of Competency .....	265
Intermediate VESL-Office Workers Certificate of Competency ..	266
VESL for Construction Workers Certificate of Competency .....	266
VESL Preparation-Healthcare Careers Certificate of Competency .....	266
Vocational ESL Office Training Certificate of Competency .....	266

### Environmental Horticulture and Floristry

ASSOCIATE DEGREE	
Commercial Cut-Flower and Greenhouse Production Major (AS) .....	272
Floristry Major (AS) .....	275
Landscape Gardening and Contracting Major (AS) .....	272
Nursery and Garden-Center Operation Major (AS) .....	273
CREDIT CERTIFICATE	
Commercial Cut-Flower Greenhouse Production Certificate ...	274
Floral and Special Events Coordinator Certificate .....	276
Landscape Construction Certificate .....	274
Landscape Design Certificate .....	274
Landscape Maintenance Certificate .....	275
Nursery and Garden-Center Operation Certificate .....	275
Oriental Floral Design Certificate .....	276
Retail Floristry Certificate .....	276

### Fashion

ASSOCIATE DEGREE	
Fashion Design Major (AS) .....	281
Fashion Merchandising Major (AS) .....	280
CREDIT CERTIFICATE	
Apparel Construction Certificate .....	281
Entrepreneurship and Innovation in Fashion Design and Merchandising Certificate .....	282
Fashion Design Certificate .....	282
Fashion Illustration Certificate .....	283
Fashion Merchandising Certificate .....	283

Fashion Styling and Personal Styling Certificate .....	283
Patternmaking Certificate .....	284

### French

ASSOCIATE DEGREE	
French Major (AA) .....	287
CREDIT CERTIFICATE	
French Certificate .....	288

### German

CREDIT CERTIFICATE	
German Certificate .....	291

### Health Care Technology

ASSOCIATE DEGREE	
Cardiovascular Technician/Echocardiography Major (AS) .....	293
Electrocardiography Technician Major (AS) .....	294
Health Information Technology Major (AS) .....	297
Medical Administrative Assisting Major (AS) .....	301
Medical Assisting Major (AS) .....	301
Paramedic Major (AS) .....	293
Pharmacy Technician Major (AS) .....	302
CREDIT CERTIFICATE	
CVT/Echocardiography Technician Certificate .....	294
EKG Technician Certificate .....	295
Emergency Medical Technician Certificate .....	295
Health Information Clerk I Certificate .....	297
Health Information Clerk II Certificate .....	298
Health Information Coding Specialist Certificate .....	298
Health Information Technology Certificate .....	299
Health Unit Coordinator Certificate .....	299
Medical Assisting Certificate .....	303
Medical Biller Certificate .....	303
Medical Clinic Assisting Certificate .....	304
Medical Evaluation Assistant Certificate .....	304
Medical Receptionist Certificate .....	304
Paramedic Certificate .....	295
Pharmacy Technician Certificate .....	305
Phlebotomy Certificate .....	300
NONCREDIT CERTIFICATE	
Unit Coordinator (Hospital)/Ward Clerk Certificate of Completion .....	306

### Health Education

ASSOCIATE DEGREE	
Nutrition and Dietetics (AS-T) .....	313
Public Health Science Major (AS-T) .....	313
Health Education Major (AS) .....	314
CREDIT CERTIFICATE	
Addiction and Recovery Counseling Certificate .....	315
Child Development: Youth Worker Certificate* .....	318
Community Health Worker Certificate .....	315
Community Mental Health Worker Certificate .....	316
Healthcare Interpreter Certificate .....	316
Nutrition Assistant Certificate .....	318



Peer Health Educator Certificate .....	317
Sexual Health Educator Certificate* .....	318
Trauma Prevention and Recovery Certificate* .....	318

## History

ASSOCIATE DEGREE	
History Major (AA-T) .....	324

## IGETC

CREDIT CERTIFICATE	
IGETC Certificate .....	327

## Interdisciplinary Studies

ASSOCIATE DEGREE	
Social Justice Studies: Ethnic Studies Major (AA-T) .....	329
Critical Middle East/South West Asia and North Africa Studies Major (AA) .....	327
Critical Pacific Islands & Oceania Studies Major (AA) .....	328
CREDIT CERTIFICATE	
Collaborative Design Certificate* .....	331
Critical Middle East /South West Asia and North Africa Studies Certificate .....	331
Critical Pacific Islands & Oceania Studies Certificate .....	332
Diversity and Social Justice Certificate .....	332
Trauma Prevention and Recovery Certificate .....	333

## Italian

ASSOCIATE DEGREE	
Italian Major (AA) .....	336
CREDIT CERTIFICATE	
Italian Certificate .....	337

## Japanese

ASSOCIATE DEGREE	
Japanese Major (AA) .....	339
CREDIT CERTIFICATE	
Japanese Certificate .....	339

## Journalism

ASSOCIATE DEGREE	
Journalism Major (AA-T) .....	341
Journalism Major (AA) .....	342
CREDIT CERTIFICATE	
Data Journalism Certificate .....	343
Editorial Management and Design Certificate .....	343

## Labor and Community Studies

ASSOCIATE DEGREE	
Social Justice Studies: General - Labor and Community Studies Major (AA-T) .....	345
CREDIT CERTIFICATE	
Labor and Community Organizing Certificate .....	346

## Latin American and Latino/a Studies

ASSOCIATE DEGREE	
Social Justice Studies: General - Latin American and Latino/a Studies Major (AA-T) .....	348
Latin American & Latino/a Studies Major (AA) .....	349

## CREDIT CERTIFICATE

Latin American & Latino/a Studies Certificate .....	349
---	-----

## Lesbian, Gay, Bisexual, and Transgender Studies

ASSOCIATE DEGREE	
Social Justice Studies: General - Feminist, Queer, and Trans Studies Major (AA-T) .....	352
Lesbian, Gay, Bisexual and Transgender Studies Major (AA) . . .	353
CREDIT CERTIFICATE	
Public Safety LGBTQ+ Awareness Certificate* .....	354

## Liberal Arts and Science

ASSOCIATE DEGREE	
Arts and Humanities Emphasis (AA)	
Associate in Arts in Arts and Humanities .....	358
Communication Emphasis (AA)	
Associate in Arts in Communication .....	361
Science and Mathematics Emphasis (AS)	
Associate in Science in Science and Mathematics .....	362
Social and Behavioral Sciences Emphasis (AS)	
Associate in Science in Social and Behavioral Sciences. ....	363

## Library Information Technology

ASSOCIATE DEGREE	
Library Information Technology Major (AS) .....	366
CREDIT CERTIFICATE	
Library Information Technology Certificate .....	366

## Maker Studies

CREDIT CERTIFICATE	
Collaborative Design Certificate .....	368
Maker Studies Certificate .....	368

## Mathematics

ASSOCIATE DEGREE	
Mathematics Major (AS-T) .....	369

## Music

CREDIT CERTIFICATE	
Computers and Music Certificate .....	372
Music Certificate .....	372
Music and Technology Certificate .....	373

## Nursing, Registered

ASSOCIATE DEGREE	
Registered Nursing Major (AS) .....	379

## Nursing, Licensed Vocational

CREDIT CERTIFICATE	
Home Health Aide/Nurse Assistant Certificate .....	383
Vocational Nursing Certificate .....	384

## Philippine Studies

CREDIT CERTIFICATE	
Filipino (Tagalog) Certificate .....	389

## Philosophy

ASSOCIATE DEGREE	
Philosophy Major (AA-T) .....	391

## Photography

ASSOCIATE DEGREE	
Photography Major (AS) .....	393
CREDIT CERTIFICATE	
Architectural Photography Certificate .....	393
Black and White Darkroom Photography Certificate .....	394
Collaborative Design Certificate* .....	397
Digital Photography Certificate .....	394
Motion Photography Studio or Field Certificate .....	395
Photography Criticism Certificate .....	395
Photography Digital Technician Certificate .....	396
Photography Studio Practice Certificate .....	396
Portrait Lighting Certificate .....	396
Reportage Photography Certificate .....	397
Studio Lighting Certificate .....	397

## Physical Education and Dance

ASSOCIATE DEGREE	
Kinesiology Major (AA-T) .....	401
Dance Performance Art Major (AA) .....	402
CREDIT CERTIFICATE	
African Heritage Dance Certificate .....	404
Classical Dance Certificate .....	403
Dance Aerobics and Fitness Certificate .....	404
Social Dance Certificate .....	405
Yoga Certificate .....	405

## Physics

ASSOCIATE DEGREE	
Physics Major (AS) .....	421

## Political Science

ASSOCIATE DEGREE	
Political Science Major (AA-T) .....	424

## Psychology

ASSOCIATE DEGREE	
Psychology Major (AA-T) .....	425
Cannabis Studies Major (AA) .....	426

## Radiologic Sciences

ASSOCIATE DEGREE	
Diagnostic Medical Imaging Major (AS) .....	429

## Russian

CREDIT CERTIFICATE	
Russian Certificate .....	432

## Sociology

ASSOCIATE DEGREE	
Sociology Major (AA-T) .....	434
Social Work (AA-T) .....	435

## Spanish

ASSOCIATE DEGREE	
Spanish Major (AA-T) .....	436
Spanish Major (AA) .....	437

CREDIT CERTIFICATE	
Spanish Certificate .....	438
Spanish for Heritage Speakers Certificate .....	438

## Theatre Arts

ASSOCIATE DEGREE	
Theatre Arts Major (AA-T) .....	442
CREDIT CERTIFICATE	
Acting Certificate .....	442
Technical Theater Production Certificate .....	443

## Transitional Studies

HS DIPLOMA	
CCSF High School Diploma Program HS Diploma .....	448

## Visual Media Design

ASSOCIATE DEGREE	
Graphic Design Major (AA) .....	452
CREDIT CERTIFICATE	
Collaborative Design Certificate* .....	453
Digital Animation Certificate .....	453
Digital Art Foundation Certificate .....	454
Digital Illustration Certificate .....	454
Entrepreneurship in Visual Media Design Certificate .....	454
Visual Design Foundation Certificate .....	452
Visual Media Production Certificate .....	453
Visual & Interactive Design Certificate .....	455

## Women's and Gender Studies

ASSOCIATE DEGREE	
Social Justice Studies: Gender Studies Major (AA-T) .....	459
Women's and Gender Studies, Major (AA) .....	460
CREDIT CERTIFICATE	
Sexual Health Educator Certificate .....	461