



# OFFICE OF INSTRUCTION

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## Catalog Update for 2024-25 College Catalog

Last Updated: February 10, 2025

### ***Degree and Certificate Requirements:***

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The Catalog Rights language on page 52 has been updated. It now reads:

#### **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:

The catalog which was in effect at the time the student began credit coursework at City College of San Francisco, or

1. The catalog which was in effect at the time the student began credit coursework 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 an associate degree or an associate degree for transfer\*.

Students maintain catalog rights through continuous enrollment at City College of San Francisco prior to graduation with an associate degree or an associate degree for transfer. Continuous enrollment is defined as enrollment in at least one course per academic year (fall or spring semester only). Any of the following academic record symbols (A–F, P, NP, I, UG, IP, RD, W, EW, and MW) shall constitute continuous enrollment. A student who misses two consecutive semesters in an academic year, excluding summer session, will lose catalog rights. Re-enrollment is defined as enrollment after a break in continuous enrollment. Documented military or medical leave, not exceeding two years, will not be considered an interruption of enrollment. If a student loses their catalog rights, or if the student completes an associate degree or an associate degree for transfer, new catalog rights are established based on the date of re-enrollment\*. Catalogs from years prior to re-enrollment are no longer available once a student loses catalog rights or completion of an associate degree or an associate degree for transfer\*. Students who initially enroll in summer session may claim catalog rights for the preceding academic year. Likewise, students who re-enroll in **summer** session after missing two consecutive semesters in an academic year may also claim catalog rights for the preceding academic year. Students planning to transfer to a four-year institution are advised to review that institution's catalog for "rights" accorded community college transfers. City College of San Francisco reserves the right to not offer coursework which has been offered in the past.

*\*Students who maintain continuous enrollment at CCSF may still be eligible for their appropriate catalog rights upon graduation with an associate degree or an associate degree for transfer at CCSF. Please consult with a counselor for further advice.*

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The chart on page 53 has been updated. Number 2, Option 1 now reads:

## **2. Graduation Requirements in U.S. History and Government and Health and Wellness**

One (1) course, 3 semester units of an approved course in U.S. History and Government One (1) course, 1-3 semester units of an approved course in Health and Wellness Exemptions: 1) Students in certain high-unit majors; 2) Students choosing the CSU GE or IGETC pattern; 3) Students who have completed 6 **months** or more of continuous active military service; 4) Students holding a baccalaureate degree from an institutionally-accredited institution

Area 6: Ethnic Studies on page 56 has been updated. It now reads:

### **Area 6: Ethnic Studies**

*Three (3) certifiable semester units or four (4) quarter units in Ethnic Studies*

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

1. Analyze and articulate concepts of race, racism, ethnicity, and eurocentrism in the U.S. through the lens of decolonization, anti-racism, and equity as related to Native American, African American, Asian American, and/or Latina and Latino American Studies.
2. Apply theory and knowledge produced by Native American, African American, Asian American, and/or Latina and Latino American communities to critically describe group affirmation through histories of social struggles and societal contributions.
3. Analyze critically the intersections of race, racism, and social identities created and experienced by Native American, African American, Asian American, and/or Latina and Latino American communities.
4. Review critically how struggle, resistance, racial and social justice, solidarity, and liberation experienced and enacted by Native Americans, African Americans, Asian Americans, and/ or Latina and Latino Americans shape social policy and community and national politics.
5. Describe and actively engage with anti-racist and anti-colonial issues and the practices and movements in Native American, African American, Asian American and/or Latina and Latino communities to build a just and equitable society.

**To satisfy the general education requirement in Ethnic Studies the student must complete at least three semester units from the following courses:**

**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 & Latina/o/e/x Studies 1+, 2+, 9+, 10+**

**Lesbian, Gay, Bisexual & Trans 9+**

**Native American and Indigenous Studies 38+++**

**+courses taken Fall '21 or later**

**++courses taken Fall '22 or later**

**+++courses taken Fall '24 or later**

## ***Transfer Information***

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Area F: Ethnic Studies on page 65 has been updated. It now reads:

### **Area F: Ethnic Studies**

*Three (3) certifiable semester units or four (4) quarter units in Ethnic Studies*

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

1. Analyze and articulate concepts of race, racism, ethnicity, and eurocentrism in the U.S. through the lens of decolonization, anti-racism, and equity as related to Native American, African American, Asian American, and/or Latina and Latino American Studies.

2. Apply theory and knowledge produced by Native American, African American, Asian American, and/or Latina and Latino American communities to critically describe group affirmation through histories of social struggles and societal contributions.
3. Analyze critically the intersections of race, racism, and social identities created and experienced by Native American, African American, Asian American, and/or Latina and Latino American communities.
4. Review critically how struggle, resistance, racial and social justice, solidarity, and liberation experienced and enacted by Native Americans, African Americans, Asian Americans, and/ or Latina and Latino Americans shape social policy and community and national politics.
5. Describe and actively engage with anti-racist and anti-colonial issues and the practices and movements in Native American, African American, Asian American and/or Latina and Latino communities to build a just and equitable society.

*Three (3) certifiable semester units or 4-5 quarter units from the following:*

**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 & Latina/o/e/x Studies 1+, 2+, 9+, 10+**

**Lesbian, Gay, Bisexual & Trans 9+**

**Native American and Indigenous Studies 38+++**

**+courses taken Fall '21 or later**

**++courses taken Fall '22 or later**

**+++courses taken Fall '24 or later**

Area 7: Ethnic Studies on page 72 has been updated. It now reads:

#### **Area 7: Ethnic Studies**

*Three (3) certifiable semester units or four (4) quarter units in Ethnic Studies*

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

1. Analyze and articulate concepts of race, racism, ethnicity, and eurocentrism in the U.S. through the lens of decolonization, anti-racism, and equity as related to Native American, African American, Asian American, and/or Latina and Latino American Studies.
2. Apply theory and knowledge produced by Native American, African American, Asian American, and/or Latina and Latino American communities to critically describe group affirmation through histories of social struggles and societal contributions.
3. Analyze critically the intersections of race, racism, and social identities created and experienced by Native American, African American, Asian American, and/or Latina and Latino American communities.
4. Review critically how struggle, resistance, racial and social justice, solidarity, and liberation experienced and enacted by Native Americans, African Americans, Asian Americans, and/ or Latina and Latino Americans shape social policy and community and national politics.
5. Describe and actively engage with anti-racist and anti-colonial issues and the practices and movements in Native American, African American, Asian American and/or Latina and Latino communities to build a just and equitable society.

*One (1) course from the following, 3 semester units (4 quarter units):*

**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 & Latina/o/e/x Studies 1+, 2+, 9+, 10+**

**Lesbian, Gay, Bisexual & Trans 9+**

**+courses taken Fall '21 or later**

**++courses taken Fall '22 or later**

## Programs

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The following programs shall be considered included in the 2024-25 College Catalog, with the effective date noted below.

Department	Program	Effective Date
Biology	Associate in Science in Biology for Transfer - REVISED	Fall 2024
Business	Certificate of Achievement in California Real Estate Salesperson - NEW	Spring 2025
Community & Public Health	Associate in Science in Public Health for Transfer - NEW	Fall 2024
Computer Networking & Information Technology	Certificate of Achievement in Security for Web App Development - NEW	Fall 2024
Culinary Arts and Hospitality Studies	Associate in Science in Hospitality Management for Transfer - REVISED	Fall 2024
Environmental Horticulture & Floristry	Certificate of Achievement in Gardener Trainee - NEW	Spring 2025
Liberal Arts and Sciences	Associate in Arts in Liberal Arts and Sciences Emphasis in Arts and Humanities - REVISED	Fall 2024
Mathematics	Associate in Science in Mathematics for Transfer - REVISED	Fall 2024
Physics	Certificate of Achievement in Physics - NEW	Spring 2025
Social Sciences	Associate in Arts in Philosophy for Transfer - REVISED	Fall 2024
Social Sciences	Associate in Arts in Political Science for Transfer - REVISED	Fall 2024

## BIOLOGY

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### Associate in Science in Biology for Transfer (AS-T) - REVISED

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Biology is the scientific study of life through the observation of structure, function, reproduction, growth, origin, evolution, and behavior of living organisms and their relation to each other and their environment. Biologists have deepened our understanding of processes and interactions on all levels of biological organization from elucidating cellular processes to fight cancer to also assessing interactions in communities that might help prevent the extinction of species. Studying biology provides a background for students to evaluate and understand new discoveries and to make informed decisions about the use of scientific knowledge to benefit all living organisms. The Associate of Science in Biology for Transfer (AS-T) prepares students for upper-division biology courses, including general biology, cell or molecular biology, organism biology, marine biology, botany, zoology, ecology, evolution, genetics, anatomy, physiology, microbiology, and agricultural sciences. The AS-T in Biology is designed to prepare students for transfer to a baccalaureate degree program in biology, particularly at the California State University system.

#### Learning Outcomes

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

- Interrelate the scientific method, scientific research and established scientific knowledge.
- Communicate scientific hypotheses, theories, and findings.
- Summarize major scientific and mathematical concepts necessary for a foundation in biological sciences.
- Apply laboratory skills fundamental to biological investigations.
- Analyze and interpret scientific data relevant to a foundation in biological sciences.

**Degree Requirements:** Students who wish to earn the Associate in Science in Biology for Transfer must complete 60 CSU transferable units with at least a 2.0 grade point average. This must include the units required for completion of either IGETC for STEM or CSU GE for STEM and the units for the major as specified below. Each course in the major must be completed with a grade of “C” (or “P”) or better. The IGETC for STEM and CSU GE for STEM options permit students completing the AS-T in Biology to follow the IGETC or CSU GE curriculum but delay one Arts or Humanities course and one Social or Behavioral Science course until after transfer. Courses used to meet the major requirement may also be used to meet IGETC or CSU GE requirements.

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

### **Courses Required for the AS-T in Biology**

<b>Course.....</b>	<b>Units</b>
<b>Required Biology</b>	
BIO 100A General Biology .....	5.0
BIO 100B General Biology .....	5.0
<b>Required Chemistry</b>	
CHEM 101A General College Chemistry.....	6.0
CHEM 101B General College Chemistry.....	5.0
<b>Choose one of the following Calculus courses</b>	
MATH 100A Short Calculus I .....	3.0
MATH 110A Calculus I .....	5.0
<b>Choose one of the following Physics options</b>	
<b>OPTION 1</b>	
PHYC 2A Introductory Physics I .....	3.0
PHYC 2AL Introductory Physics Laboratory I .....	1.0
PHYC 2B Introductory Physics II .....	3.0
PHYC 2BL Introductory Physics Laboratory II .....	1.0
<b>OPTION 2</b>	
PHYC 4A Classical Mechanics for Scientists and Engineers.....	3.0
PHYC 4AL Mechanics Laboratory for Scientists and Engineers .....	1.0
PHYC 4B Electromagnetism for Scientists and Engineers.....	3.0
PHYC 4BL Electromagnetism Laboratory for Scientists and Engineers .....	1.0
<b>Total: .....</b>	<b>32.0 – 34.0</b>

## **BUSINESS**

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### **California Real Estate Salesperson Certificate of Achievements - NEW**

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The California Real Estate Salesperson Certificate of Achievement prepares students for entry-level work, selling or leasing commercial, mixed use, or residential properties. This certificate includes the required coursework necessary to take the State licensing examination to qualify for a California Salesperson license.

City College of San Francisco participates in the California Department of Real Estate (DRE) program of colleges by offering the following approved coursework for the California Real Estate Salesperson license. Prior course work in Economics, Accounting, or Finance could qualify as substitutes for some of the courses in this program. Please contact the Business Department for more information.

#### **Learning Outcomes**

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

- Identify and interpret key real estate terms
- Explain the basic principles and processes of real estate sales in California

- Apply sales tools and techniques to the California real estate marketplace
- Apply knowledge of agency and fiduciary responsibility to the client relationship

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

### **Courses Required for the Certificate of Achievement in California Real Estate Salesperson**

<b>Course.....</b>	<b>Units</b>
<b>Required</b>	
R E 181 Principles of Real Estate.....	3.0
R E 184 Real Estate Practice .....	3.0
<b>Choose 12 units from the following</b>	
R E 182 Escrow Fundamentals .....	3.0
R E 183 Real Estate Property Management.....	3.0
R E 185 Legal Aspects of Real Estate.....	3.0
R E 186 Principles of Real Estate Finance .....	3.0
R E 187 Real Estate Taxation.....	3.0
R E 189 Real Estate Economics.....	3.0
R E 191 Principles of Real Estate Appraisal.....	3.0
R E 192 Advanced Real Estate Appraisal .....	3.0
<b>Total: .....</b>	<b>18.0</b>

## **COMMUNITY & PUBLIC HEALTH**

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### **Associate in Science in Public Health for Transfer (AS-T) - NEW**

The Public Health Associate of Science for Transfer (AS-T) degree is designed to provide students with public health theories, concepts, and applications to succeed in upper division coursework in public health majors at a four--year college or university. This degree emphasizes a social justice framework, with a focus on the social determinants of health and improving the health of diverse communities. The major in Public Health prepares students for public health careers in various settings, including community-based organizations, health departments, local state and federal agencies, social service organizations, healthcare organizations, educational institutions, and research organizations.

The AS-T in Public Health prepares students to transfer to the California State University (CSU) System in the field of Public Health. Students who earn this degree and meet the CSU minimum eligibility requirements are guaranteed admission to a CSU, but not to a particular campus or major.

#### **Learning Outcomes**

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

- Apply a public health equity framework to support the health and well-being of diverse communities.
- Analyze behavioral, biological, social, environmental, economic, policy, and systems-level factors influencing public health.
- Access, interpret, and analyze health data and evidence-based research to understand and improve public health.
- Evaluate advocacy, community organizing, and policy strategies to improve public health.

Students who wish to earn the Public Health AS-T degree must complete 60 semester units of degree-applicable courses with at least a 2.0 grade point average. This must include units required for full completion of the IGETC or CSU GE Curriculum and the units for the major as specified below. Each course in the major must be completed with a minimum grade of "C" (or "P") or better. Courses that meet the major requirements may also be used to meet IGETC or CSU GE requirements.

The minimum time to completion is 4 semesters. Completion time will vary based on student preparation and number of units completed each semester.

### **Courses Required for the AS-T in Public Health**

<b>Course.....</b>	<b>Units</b>
<b>Required</b>	
HLTH 53 Personal and Community Health.....	3.0
HLTH 54 Introduction to Public Health .....	3.0
HLTH 221 Health and Social Justice .....	3.0
BIO 9 Human Biology .....	4.0
or BIO 11 Science of Living Organisms.....	4.0
<b>Choose one of the following Statistics courses</b>	
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
MATH 108 Foundations of Data Science .....	5.0
PSYC 5 Statistics for Behavioral Sciences .....	5.0
<b>Choose one course from the following</b>	
BIO 108 General Human Anatomy .....	4.0
BIO 112 Introduction to Human Physiology .....	4.0
BIO 120 Introduction to Microbiology.....	4.0
CHEM 40 Introduction to Chemical Principles.....	5.0
CHEM 101A General College Chemistry.....	6.0
<b>Choose one course from the following</b>	
HLTH 25 Women's Health: Intersectional Approaches .....	3.0
HLTH 30 Drugs, Health, and Society.....	3.0
HLTH 52 Critical Perspectives in Global Health .....	3.0
IDST 17 Human Sexuality.....	3.0
HLTH 97 Stress and Resilience.....	3.0
<b>Total: .....</b>	<b>25.0 – 27.0</b>

## **COMPUTER NETWORKING & INFORMATION TECHNOLOGY**

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### **Security for Web App Development Certificate of Achievement - NEW**

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The program of study for the Certificate of Achievement in Security for Web App Development includes instruction and practice in the development of web sites and web apps using the most current security techniques. This course of study prepares students for adapting and creating web sites with techniques that enhance the security of those applications.

#### **Learning Outcomes**

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

- Use front-end web development techniques to develop and publish web sites or web apps for different platforms.
- Compare the different methods for securing shared resources used by web apps.
- Evaluate the different types of security problems that might occur in a web application project.
- Implement effective web application security techniques.

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 Security for Web App Development**

<b>Course.....</b>	<b>Units</b>
<b>Required</b>	
CNIT 131 Internet Basics and Beginning HTML.....	3.0
or CNIT 131H Introduction to HTML and CSS.....	1.0
CNIT 120 Network Security .....	3.0
CNIT 132 Intermediate HTML and CSS .....	3.0
CNIT 133 JavaScript, jQuery, AJAX .....	3.0
CNIT 129S Securing Web Applications .....	3.0
<b>Choose one of the following courses</b>	
CNIT 131A XML and JSON .....	3.0
or CS 150A Introduction to SQL Databases and NoSQL .....	3.0
<b>Total: .....</b>	<b>16.0 – 18.0</b>

## **CULINARY ARTS AND HOSPITALITY STUDIES**

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### **Associate in Science in Hospitality Management for Transfer (AS-T) - REVISED**

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The AS-T in Hospitality Management is designed to provide students with foundational knowledge and skills desirable for advanced study in hospitality, particularly at the California State University system. This program provides the academic foundation required for various areas of hospitality studies, such as hotel administration, restaurant operations, hospitality law, finance, and marketing. This transfer degree also prepares students for work in the following industries: hotel operations, including rooms, food & beverage, and sales & marketing; restaurant operations; corporate food service; travel and tourism; and meetings, conventions, and special events.

#### **Learning Outcomes**

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

- Demonstrate the ability to make informed decisions and implement practices in hospitality operations that optimize environmental sustainability, enhance social well-being, and ensure economic profitability
- Demonstrate respectful and professional communication skills, both written and verbal, to interact effectively in the hospitality industry.
- Apply financial management principles, including budgeting, cost control, and revenue management to operate hospitality establishments.
- Apply the concepts and theories in hospitality management, including areas such as hotel and restaurant operations, meetings and event planning, customer service, and food and beverage management.

#### **Program Prerequisite**

A separate application form specific to the Culinary Arts and Hospitality Studies (CAHS) program must be submitted in addition to the CCSF application. Applicants may contact the CAHS department for the application and assistance.

Students who wish to earn the Associate in Science for Transfer (AS-T) in Hospitality Management must complete 60 CSU or IGETC transferable units with at least a 2.0 grade point average. This must include the units required for full completion of the IGETC or CSU GE curriculum and for the major as specified below. Each course in the major must be completed with a minimum grade of "C" (or "P") or better. Courses used to meet the major requirement may also be used to meet IGETC or CSU GE requirements.

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



### Courses Required for the AS-T in Hospitality Management

Course.....	Units
<b>Required</b>	
CAHS 100 Introduction to Hospitality.....	3.0
CAHS 34 Fundamentals of Contemporary Hospitality Law.....	3.0
CAHS 43 Principles of Hotel Administration.....	3.0
ECON 3 Principles of Microeconomics.....	3.0
<b>Choose at least 6 units from the following</b>	
CAHS 20A Culinary Fundamentals II A.....	4.5
CAHS 30A Restaurant Operations: Front of House, Fine Dining.....	4.5
BIO 121 Principles of Food Safety.....	2.0
CAHS 32 Hospitality Marketing.....	3.0
CAHS 33 Procurement and Costing.....	3.0
CAHS 42 Fundamentals of Hospitality Financial Reports.....	3.0
CAHS 205 Introduction to Wine.....	3.0
CAHS 208 Meetings, Conventions & Special Events.....	3.0
CAHS 222 Beverage Management.....	3.0
ACCT 1 Financial Accounting.....	5.0
or BSL 1 Business Law I.....	3.0
or ECON 5 Introductory Statistics for Economics, Business and Social Sciences.....	5.0
or LALS 5 Introduction to Statistical Methods in Latin American and Latino/a Studies.....	5.0
or MATH 80 Probability and Statistics.....	5.0
or MATH 108 Foundations of Data Science.....	5.0
or PSYC 5 Statistics for Behavioral Sciences.....	5.0
<b>Total: .....</b>	<b>18.0 – 21.5</b>

## ENVIRONMENTAL HORTICULTURE & FLORISTRY

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### Gardener Trainee Certificate of Achievement - NEW

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The Gardener Trainee Certificate is part of a collaboration between San Francisco Parks and Recreation, Local 261, City College of San Francisco, and other agencies. Trainees perform routine and basic duties to assist gardeners and horticulturalists in the care of athletic fields, squares, parks, playgrounds, stadiums, thoroughfares, medians, and/or other landscaped areas.

#### Learning Outcomes

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

- Explain and distinguish various commercial and residential landscape, greenhouse, irrigation systems, and nursery operations.
- Identify Bay Area plants, their anatomical systems and their maintenance requirements.
- Describe and demonstrate readiness for entry into the environmental horticulture workforce.
- Apply various practices and techniques in environmental horticulture.

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

### Courses Required for the Certificate of Achievement in Gardener Trainee

Course.....	Units
<b>Required</b>	
O H 50 Introduction to Environmental Horticulture.....	3.0
O H 66 Irrigation.....	3.0

O H 76 Fall and Winter Plant Identification .....	4.0
O H 77 Spring and Summer Plant Identification .....	4.0
O H 97 Work Experience .....	2.0 - 4.0
<b>Total: .....</b>	<b>16.0 – 18.0</b>

## LIBERAL ARTS AND SCIENCES

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### **Associate in Arts in Liberal Arts and Sciences Emphasis in Arts and Humanities (AA) - REVISED**

The Liberal Arts and Sciences degree is designed for students who wish to have a broad knowledge of arts and sciences plus additional knowledge in an “Area of Emphasis.” This degree can be a good option for students planning to transfer to a university as it provides the flexibility for students to satisfy both general education and lower division major requirements for specific universities while meeting associate degree requirements at the same time. For more detailed information on transfer requirements, students should speak with a counselor and refer to [www.ASSIST.org](http://www.ASSIST.org).

The courses in the Arts and Humanities emphasis cover the study of cultural, literary, humanistic activities and artistic expression of human beings.

#### **Learning Outcomes**

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

- Exhibit an understanding of the ways in which people in diverse cultures and eras have produced culturally significant works.
- Communicate effectively the meanings and intentions of creative expression.
- Use analytical techniques to assess the value of human creations in meaningful ways.
- Demonstrate an understanding of the human condition through language, reasoning, or artistic creation.

Each course used to meet this “area of emphasis” requirement must be completed with a grade of “C” or higher (or “Credit” or “Pass” if the course was taken on a “credit/no credit” or “pass/no pass” basis). Where appropriate, courses in the “area of emphasis” may also be counted for a General Education area.

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

#### **Courses Required for the Major in Liberal Arts and Sciences Emphasis in Arts and Humanities**

**Course..... Units**  
**Complete 18 units from the following courses (at least one course from Arts, and one from Humanities):**  
**ARTS: CHOOSE AT LEAST ONE OF THE FOLLOWING COURSES:**

AFAM 55 From Funk to Hip Hop.....	3.0
ARCH 31A History of Architecture I .....	3.0
ARCH 31B History of Architecture II .....	3.0
ART 101 Western Art History I.....	3.0
ART 102 Western Art History II.....	3.0
ART 103 History of Modern Art.....	3.0
ART 104 Asian Art History .....	3.0
ART 105 Ancient Art and Architecture of Latin America.....	3.0
ART 106 Latin American Art History .....	3.0
ART 107 African-American Art History .....	3.0
ART 108 Women Through Art History .....	3.0
ART 109 History of Contemporary Art.....	3.0

ART 118 American Art.....	3.0
ART 123U 18th-Century French Art.....	3.0
ART 123V Renaissance Art.....	3.0
ART 123W 19th-Century Painting.....	3.0
ART 125A Basic Design: 2-D Foundations.....	3.0
ART 126 Color .....	3.0
ART 130A Basic Drawing .....	3.0
ART 140A Beginning Painting .....	3.0
ART 146A Beginning Chinese Brush Painting.....	3.0
ART 146B Intermediate Chinese Brush Painting.....	3.0
ART 160A Beginning Ceramics .....	3.0
ART 170A Beginning Sculpture .....	3.0
ART 180A Beginning Jewelry/Metal Arts.....	3.0
ASIA 11 East Asian Calligraphy: An Introduction .....	3.0
CINE 18 American Cinema .....	3.0
CINE 21 Introduction to Film Studies.....	3.0
CINE 23A Films of Alfred Hitchcock .....	3.0
CINE 23B Focus on Film Noir.....	3.0
CINE 23C Cult Cinema .....	3.0
CMST 7 Oral Interpretation of Literature .....	3.0
CMST 38 Forensics Competition .....	3.0
DANC 30 Dance History Dance in Cultural Context.....	3.0
DANC 100A Beginning Dance Composition.....	3.0
DSGN 101 Design Fundamentals.....	3.0
FASH 23 Fashion History .....	3.0
FASH 55 Icons of Contemporary Fashion .....	3.0
INTD 138 Global History of Interior Design .....	3.0
LALS 14 Diego Rivera: Art and Social Change in Latin America .....	3.0
LGBT 12 Contemporary LGBTQIA2+ Film .....	3.0
LGBT 20 LGBT U.S. Art and Culture.....	3.0
LGBT 55 Contemporary Global Art and Culture.....	3.0
MAKR 100 Introduction to History, Culture and Practices of Making .....	3.0
MUS 12 Choir.....	3.0
MUS 21 Traditional African Music.....	3.0
MUS 22A History of Music in Western Culture: Medieval and Renaissance Music.....	3.0
MUS 22B History of Music in Western Culture: Baroque and Classical Music .....	3.0
MUS 22C History of Music in Western Culture: Romanticism.....	3.0
MUS 23 History of Jazz: Musical Traditions of the African-American .....	3.0
MUS 25 Music of Latin America and the Caribbean.....	3.0
MUS 26 Music in American Culture .....	3.0
MUS 27A Music Appreciation .....	3.0
MUS 27Q Music and Queer Identity .....	3.0
MUS 27R The History of Rock and Popular Music.....	3.0
MUS 28 20th Century Music .....	3.0
MUS 128 Survey of Contemporary and Electronic Music .....	3.0
PHOT 40 Photography as Activism .....	3.0
PHOT 50A History & Aesthetics Pre-1945 .....	4.0
PHOT 50B History & Aesthetics Since 1945 .....	4.0
PHOT 51 Beginning Photography.....	3.0
PHOT 81A B&W Film/Darkroom 1 .....	4.0
PHOT 100 Design Fundamentals.....	3.0
TH A 30 Introduction to Theatre.....	3.0
TH A 31 Survey of Classical Drama .....	3.0

TH A 32 Survey of Modern Drama.....	3.0
TH A 33 Survey of the Art of Comedy.....	3.0
TH A 80 Introduction to Costume Design .....	3.0
TH A 81 Introduction to Stage Makeup and Wig Design .....	3.0
TH A 150A Beginning Acting Fundamentals .....	3.0
VMD 101 Design Fundamentals .....	3.0
VMD 110 History of Graphic Design .....	3.0
<b>HUMANITIES: CHOOSE AT LEAST ONE OF THE FOLLOWING COURSES:</b>	
AFAM 30 African American Consciousness .....	3.0
AFAM 60 African American Women in the U.S. ....	3.0
AMS 5 Comics, Power, and Society .....	3.0
AMSL 2A Continuation of Elementary American Sign Language.....	3.0
ASAM 6 Stories of Asian America .....	3.0
ASAM 10 Asian American Popular Culture .....	3.0
ASAM 20 Asian American Experience Since 1820 .....	3.0
ASAM 30 Asian American Issues Through Film.....	3.0
ASAM 35 Asian American Women .....	3.0
ASIA 15 Asian Societies and Cultures through Film.....	3.0
ASIA 30 Manga and Anime.....	3.0
BCST 103 Mass Media and Society .....	3.0
CHIN 1 Elementary Chinese .....	5.0
CHIN 1A Elementary Chinese .....	3.0
CHIN 1B Elementary Chinese .....	3.0
CHIN 2 Continuation of Elementary Chinese .....	5.0
CHIN 2A Continuation of Elementary Chinese .....	3.0
CHIN 2B Continuation of Elementary Chinese .....	3.0
CHIN 3 Intermediate Chinese .....	5.0
CHIN 3A Intermediate Chinese, Part I.....	3.0
CHIN 3B Intermediate Chinese, Part II.....	3.0
CHIN 4 Continuation of Intermediate Chinese.....	5.0
CHIN 4A Continuation of Intermediate Chinese .....	3.0
CHIN 4B Continuation of Intermediate Chinese .....	3.0
CHIN 10A Beginning Conversational Cantonese .....	3.0
CHIN 10B Continuation of Beginning Conversational Cantonese.....	3.0
CHIN 10C Intermediate Conversational Cantonese .....	3.0
CHIN 10D Continuation of Intermediate Conversational Cantonese.....	3.0
CHIN 12A Beginning Conversational Mandarin.....	3.0
CHIN 12B Continuation of Beginning Conversational Mandarin .....	3.0
CHIN 12C Intermediate Conversational Mandarin .....	3.0
CHIN 14A Beginning Conversational Mandarin for Speakers of Other Chinese Dialects.....	3.0
CHIN 14B Conversational Mandarin for Other Dialect Speakers.....	3.0
CHIN 14C Advanced Conversational Mandarin for Speakers of Other Chinese Dialects.....	3.0
CHIN 30A Mid-Intermediate Chinese.....	3.0
CHIN 30B Continuation of Mid-Intermediate Chinese .....	3.0
CHIN 31A Pre-Advanced Mandarin Chinese for BilingualStudents .....	3.0
CHIN 31B Continuation of Pre-Advanced MandarinChinese for Bilinguals.....	3.0
CHIN 32 Chinese Language and Culture .....	3.0
CHIN 33 Chinese Culture for Heritage Learners .....	3.0
CHIN 39 Major Achievements of Chinese Thought and Culture .....	3.0
CINE 19 Introduction to Documentary Film Studies .....	3.0
CINE 20A International Film History (1880s-1930s).....	3.0
CINE 20B International Film History (1930s-1960s).....	3.0
CINE 20C International Film History (1960s-Present).....	3.0

CINE 21 Introduction to Film Studies.....	3.0
CINE 22 History of Documentary Film.....	3.0
CINE 57 Experimental Filmmaking.....	3.0
CLAS 35 Tragic Drama of Greece.....	3.0
CMST 5 Intercultural Communication.....	3.0
CMST 8 Rhetoric of Popular Culture.....	3.0
CMST 50 Rhetoric of Cannabis.....	3.0
ENGL 30A American Literature, Beginnings to Civil War.....	3.0
ENGL 30B American Literature, 1865-present.....	3.0
ENGL 35G Introduction to Creative Nonfiction Writing.....	3.0
ENGL 43 Introduction to Poetry.....	3.0
ENGL 44A Survey of World Literature, Part 1: Ancient, Medieval, and Early Modern.....	3.0
ENGL 44B Survey of World Literature, Part II: Early Modern to the Present.....	3.0
ENGL 46A Survey of Literature in English, Part 1: Beowulf through Milton.....	3.0
ENGL 46B Survey of Literature in English, Part 2: Late-17th through the Mid-19th Century.....	3.0
ENGL 46C Survey of Literature in English, Part 3: Mid-19th Century to Present.....	3.0
ENGL 48C Science Fiction and Fantasy.....	3.0
ENGL 48K The Bible as Literature.....	3.0
ENGL 51 The Graphic Novel as Literature.....	3.0
ENGL 52 Shakespeare.....	3.0
ENGL 54 Children's and Young Adult Literature.....	3.0
ENGL 55 Queer Literature.....	3.0
ENGL 57 Survey of Women's Literature.....	3.0
ENGL 58 Contemporary Women's Writing.....	3.0
ENGL 61 Literature and Film.....	3.0
ENGL 62 Video Games and Literature.....	3.0
FREN 1 Elementary French.....	5.0
ESL 188 ESL College Reading and Writing.....	6.0
FREN 1A Elementary French.....	3.0
FREN 1B Elementary French.....	3.0
FREN 2 Continuation of Elementary French.....	5.0
FREN 2A Continuation of Elementary French.....	3.0
FREN 2B Continuation of Elementary French.....	3.0
FREN 3 Intermediate French.....	5.0
FREN 3A Intermediate French.....	3.0
FREN 3B Intermediate French.....	3.0
FREN 4 Cont. of Intermediate French.....	3.0
FREN 10A Beginning Conversational French.....	3.0
FREN 10B Continuation of Beginning Conversational French.....	3.0
FREN 10C Intermediate Conversational French.....	3.0
FREN 10D Continuation of Intermediate Conversational French.....	3.0
FREN 11A Advanced Conversational French.....	3.0
FREN 11B Advanced Conversational French.....	3.0
FREN 22 Grammar Review and Composition.....	3.0
FREN 41 Culture and Civilization of France.....	3.0
FREN 42 Contemporary French Culture and Civilization.....	3.0
GERM 1A Elementary German.....	3.0
GERM 1B Elementary German.....	3.0
HIST 1 The United States Since 1900.....	3.0
HIST 4A Western Civilization.....	3.0
HIST 4B Western Civilization.....	3.0
HIST 5 Europe Since 1900.....	3.0
HIST 17B United States History: Reconstruction to Present.....	3.0

HIST 18A The Colonial History of Latin America.....	3.0
HIST 18B History of Latin America Since Independence .....	3.0
HIST 20 History of Mexico .....	3.0
HIST 35A Chinese History .....	3.0
HIST 35B History of China.....	3.0
HIST 37 History of the Philippines .....	3.0
HUM 7 Comparative Religions.....	3.0
HUM 8 Philosophies of Religion .....	3.0
HUM 11 Music, Art, and Literature: Traditional.....	3.0
HUM 12 Music/Art/Literature: Modern .....	3.0
HUM 20 Bay Area Arts.....	3.0
HUM 25 Women in the Arts .....	3.0
HUM 41A Western Cultural Values: Pre-history to the Middle Ages .....	3.0
HUM 41B Western Cultural Values.....	3.0
HUM 48 African-American Music, Art and Literature.....	3.0
IDST 3 Introduction to Museum Studies .....	3.0
IDST 4 Ways of Faith.....	3.0
IDST 14 American Cultures in Literature and Film .....	3.0
IDST 27B Asian Humanities: Contemporary .....	3.0
IDST 29 Islam: Identity & Culture.....	3.0
IDST 30 Demystifying the Middle East .....	3.0
IDST 36 Poetry for the People .....	3.0
IDST 46 Fa'a Pasefika: Interdisciplinary Cultural Expressions of Oceania .....	3.0
IDST 47 Trauma and the Arts: An Interdisciplinary Approach.....	3.0
ITAL 1 Elementary Italian.....	5.0
ITAL 1A Elementary Italian .....	3.0
ITAL 1B Elementary Italian .....	3.0
ITAL 2 Continuation of Elementary Italian .....	5.0
ITAL 2A Continuation of Elementary Italian.....	3.0
ITAL 2B Continuation of Elementary Italian.....	3.0
ITAL 3A Continuation of Intermediate Italian .....	3.0
ITAL 3B Continuation of Intermediate Italian .....	3.0
ITAL 4A Continuation of Intermediate Italian .....	3.0
ITAL 4B Continuation of Intermediate Italian .....	3.0
ITAL 10A Beginning Conversational Italian .....	3.0
ITAL 10B Beginning Conversational Italian .....	3.0
ITAL 10C Intermediate Conversational Italian .....	3.0
ITAL 10D Intermediate Conversational Italian .....	3.0
ITAL 11A Continuation of Intermediate Conversational Italian.....	3.0
ITAL 11B Continuation of Intermediate Conversational Italian.....	3.0
ITAL 15A Advanced Conversational Italian .....	3.0
ITAL 15B Advanced Conversational Italian .....	3.0
JAPA 1 Elementary Japanese .....	5.0
JAPA 1A Elementary Japanese.....	3.0
JAPA 1B Elementary Japanese.....	3.0
JAPA 2 Continuation of Elementary Japanese.....	5.0
JAPA 2A Continuation of Elementary Japanese Part I.....	3.0
JAPA 2B Continuation of Elementary Japanese Part II.....	3.0
JAPA 3 Intermediate Japanese .....	5.0
JAPA 3A Intermediate Japanese Part I .....	3.0
JAPA 3B Intermediate Japanese Part II .....	3.0
JAPA 4 Continuation of Intermediate Japanese.....	5.0
JAPA 4A Continuation of Intermediate Japanese.....	3.0

JAPA 4B Continuation of Intermediate Japanese.....	3.0
JAPA 10A Beginning Conversational Japanese.....	3.0
JAPA 10B Beginning Conversational Japanese.....	3.0
JAPA 10C Intermediate Conversational Japanese.....	3.0
JAPA 16 Beginning Kanji for Reading and Writing.....	3.0
JAPA 17 Continuation of Beginning Kanji for Reading and Writing.....	3.0
JAPA 18 Intermediate Kanji for Reading and Writing.....	3.0
JAPA 39 Japanese Culture and Civilization .....	3.0
LALS 1 The Latinx Experience in the United States.....	3.0
LALS 2 Critical Thinking in Latinx Studies .....	3.0
LGBT 11 History of LGBTQ+ Film: Silent Era to 1969 .....	3.0
LGBT 15 From Greece to Stonewall: Global LGBTQ+ Literature, Art and Culture .....	3.0
LGBT 18 Transgender Lives, Culture and Art .....	3.0
LGBT 70 AIDS in America .....	3.0
LGBT 75 LGBTQ+ Film: in the 1970s and 1980s.....	3.0
PHIL 2 Introduction to Philosophy: Morality and Politics .....	3.0
PHIL 4 Introduction to Philosophy: Knowledge and Its Limits .....	3.0
PHIL 25A Ancient Philosophy.....	3.0
PHIL 25C Modern Philosophy Through Kant.....	3.0
PHST 30 Philippine Society and Culture Through Film.....	3.0
PHST 39A Philippine Literature in Translation .....	3.0
PHST 39B Filipino Literature in the Diaspora .....	3.0
PHST 42 Introduction to Philippine Arts .....	3.0
PIL 1 Elementary Filipino (Tagalog).....	5.0
PIL 2 Continuation of Elementary Filipino (Tagalog) .....	5.0
PIL 10A Conversational Filipino (Tagalog) .....	3.0
PIL 10B Conversational Filipino (Tagalog) .....	3.0
PIL 10C Intermediate Conversational Pilipino .....	3.0
RUSS 1A Elementary Russian .....	3.0
RUSS 1B Elementary Russian .....	3.0
RUSS 21A Elementary Russian for Bilingual Students .....	3.0
RUSS 21B Elementary Russian for Bilingual Students .....	3.0
SPAN 1 Elementary Spanish.....	5.0
SPAN 1A Elementary Spanish.....	3.0
SPAN 1B Elementary Spanish.....	3.0
SPAN 2 Continuation of Elementary Spanish.....	5.0
SPAN 2A Continuation of Elementary Spanish .....	3.0
SPAN 2B Continuation of Elementary Spanish .....	3.0
SPAN 3 Intermediate Spanish .....	5.0
SPAN 3A Intermediate Spanish.....	3.0
SPAN 3B Intermediate Spanish.....	3.0
SPAN 5 Advanced Spanish: Hispanic Culture and Civilization .....	3.0
SPAN 5S Advanced Spanish: Hispanic Culture and Civilization.....	3.0
SPAN 6A Continuation of Intermediate Spanish .....	3.0
SPAN 6B Continuation of Intermediate Spanish .....	3.0
SPAN 7 Intro to Literature in Spanish.....	3.0
SPAN 10A Beginning Conversational Spanish.....	3.0
SPAN 10B Continuation of Beginning Conversational Spanish .....	3.0
SPAN 10C Intermediate Conversational Spanish .....	3.0
SPAN 10D Continuation of Intermediate Conversational Spanish .....	3.0
SPAN 31 Spanish for Heritage Speakers 1 .....	5.0
SPAN 31A Spanish for Heritage Speakers 1A .....	3.0
SPAN 31B Spanish for Heritage Speakers 1B .....	3.0

SPAN 32 Spanish for Heritage Speakers 2 .....	5.0
SPAN 32A Spanish for Heritage Speakers 2A .....	3.0
SPAN 32B Spanish for Heritage Speakers 2B .....	3.0
SPAN 42 LGBT Voices in Hispanic Society .....	3.0
WGST 10 Women and Film .....	3.0
WGST 20 Our Stories .....	3.0
<b>Total: .....</b>	<b>18.0</b>

## MATHEMATICS

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### Associate in Science in Mathematics for Transfer (AS-T) - REVISED

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The AS-T in Mathematics is designed to provide students with sufficient understanding of mathematical concepts, skills, and applications to succeed in upper division coursework in mathematics at a four-year college or university. Students who complete this degree are guaranteed acceptance to a California State University but are not guaranteed acceptance to a particular CSU campus or major. Students who plan to transfer to any other college or university should consult that institution's catalog for specific transfer requirements.

#### Learning Outcomes

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

- Demonstrate computational and conceptual proficiency in differential and integral calculus, both single and multi-variable.
- Assess and construct valid mathematical arguments.
- Use appropriate concepts and techniques from calculus and post-calculus mathematics to solve applied problems.
- Describe and utilize rules of formal systems.

Students who wish to earn the Associate in Science in Mathematics for Transfer (AS-T) must complete 60 CSU transferable units with at least a 2.0 grade point average. This must include the units required for full completion of the IGETC or CSU GE curriculum and the units for the major as specified below. Each course in the major must be completed with a grade of "C" or "P" or better. Courses used to meet the major requirement may also be used to meet IGETC or CSU GE requirements.

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

#### Courses Required for the AS-T in Mathematics

Course.....	Units
<b>Required</b>	
MATH 110A Calculus I.....	5.0
MATH 110B Calculus II.....	5.0
MATH 110C Calculus III .....	5.0
<b>Choose OPTION 1 or OPTION 2</b>	
<b>OPTION 1</b>	
MATH 120 Linear Algebra .....	3.0
<b>Choose one course or course combination from the following</b>	
MATH 80 Probability and Statistics.....	5.0
MATH 115 Discrete Mathematics .....	3.0
MATH 125 Differential Equations.....	3.0
CS 110A Introduction to Programming and Computer Science .....	4.0



PHYC 4A Classical Mechanics for Scientists and Engineers .....	3.0
and PHYC 4AL Mechanics Laboratory for Scientists and Engineers .....	1.0
<b>OPTION 2</b>	
MATH 130 Linear Algebra and Differential Equations .....	5.0
<b>Choose one course or course combination from the following</b>	
MATH 115 Discrete Mathematics .....	3.0
CS 110A Introduction to Programming and Computer Science .....	4.0
PHYC 4A Classical Mechanics for Scientists and Engineers .....	3.0
and PHYC 4AL Mechanics Laboratory for Scientists and Engineers .....	1.0
<b>Total: .....</b>	<b>21.0 – 24.0</b>

## PHYSICS

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### Physics Certificate of Achievement - NEW

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CCSF's Certificate of Achievement in Physics provides a broad background in fundamental physics through introductory course work with a full complement of laboratory courses. Students earning this certificate will develop strong mathematical, analytical, and laboratory skills while better equipping themselves to approach concepts and problems presented in upper division classes. Additionally, students will gain an understanding of the basic laws of nature to better assess problems facing society. All of the courses in this certificate will be part of CCSF's AS and AS-T degrees in Physics and are suitable for students planning to transfer into university programs to deepen their studies of not just physics but computer science and engineering. This certificate is also designed for students planning to pursue pre-medical and pre-law educational pathways.

#### Learning Outcomes

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

- Apply the principles of physics to theoretical and experimental problems.
- Use laboratory instruments to measure physics data.
- Solve physics problems using mathematics through multivariable calculus, differential equations, and linear algebra.
- Describe and communicate fundamental concepts of physics.

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 Certificate of Achievement in Physics

<b>Course.....</b>	<b>Units</b>
<b>Required</b>	
PHYC 4A Classical Mechanics for Scientists and Engineers .....	3.0
PHYC 4AL Mechanics Laboratory for Scientists and Engineers .....	1.0
PHYC 4B Electromagnetism for Scientists and Engineers .....	3.0
PHYC 4BL Electromagnetism Laboratory for Scientists and Engineers .....	1.0
PHYC 4C Waves and Thermodynamics for Scientists and Engineers .....	3.0
PHYC 4CL Waves and Thermodynamics Laboratory for Scientists and Engineers .....	1.0
PHYC 4D Modern Physics for Scientists and Engineers .....	3.0
PHYC 4DL Modern Physics Laboratory for Scientists and Engineers .....	1.0
<b>Total: .....</b>	<b>16.0</b>

## SOCIAL SCIENCES

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### Associate in Arts in Philosophy for Transfer (AA-T) - REVISED

Philosophy is the study of the most fundamental questions of life, reality, knowledge, and value. Through the study of philosophy, students are trained in the skills of conceptual analysis and argument comprehension, construction, and evaluation. It provides an intensive introduction to the science of logic, with emphasis on the concept of proof and symbolic systems for calculating truth-value relationships. The philosophy major will also introduce students to philosophical theories in the tradition from its ancient beginnings to its contemporary developments. The AA-T in Philosophy offers students a comprehensive lower division program in philosophy. The AA-T prepares students who wish to transfer and pursue a baccalaureate degree in Philosophy, particularly at California State University and University of California campuses.

#### Learning Outcomes

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

- Analyze major theories of perennial influence in the main areas of philosophy, metaphysics, epistemology, and value theory.
- Analyze important philosophical issues and concepts, and evaluate alternative views with respect to them.
- Apply the principles of logical reasoning, both deductive and inductive.
- Construct fluent philosophical arguments.
- Apply critical reasoning skills to identify, evaluate, and respond to arguments.

Students who wish to earn the Associate in Arts for Transfer (AA-T) in Philosophy must complete 60 CSU transferable units with at least a 2.0 grade point average. This must include the units required for full completion of the IGETC or CSU GE curriculum and the units for the major as specified below. Each course in the major must be completed with a grade of "C" (or "P") or better. Courses used to meet the major requirement may also be used to meet IGETC or CSU GE requirements.

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

#### Courses Required for the AA-T in Philosophy

Course.....	Units
<b>Required</b>	
PHIL 12A Symbolic Logic .....	5.0
PHIL 2 Introduction to Philosophy: Morality and Politics .....	3.0
or PHIL 4 Introduction to Philosophy: Knowledge and Its Limits .....	3.0
<b>Choose one course from the following*</b>	
PHIL 25A Ancient Philosophy .....	3.0
PHIL 25C Modern Philosophy Through Kant.....	3.0
*or any course not selected above	
<b>Choose three courses from the following*</b>	
HIST 4A Western Civilization.....	3.0
HIST 4B Western Civilization.....	3.0
HUM 8 Philosophies of Religion .....	3.0
HUM 41A Western Cultural Values: Pre-history to the Middle Ages .....	3.0
HUM 41B Western Cultural Values.....	3.0
PHIL 40 Introduction to Logic: Critical Thinking.....	3.0
*or any course not selected above	
<b>Total: .....</b>	<b>20.0</b>

### Associate in Arts in Political Science for Transfer (AA-T) - REVISED

Political Science is the study of governments, power relations, public policies, political theories, political processes, and political behavior. The Political Science major is designed to develop knowledge, analytical skills, and critical insight into the nature of politics and political problems. Political Science subfields include American government,

political theory, comparative politics, and international relations, and the major introduces each of these. The aim is to prepare students for active participation in political life, as informed citizens or residents, and to prepare students for transfer to a four-year university in the field of Political Science, and then to a range of possible careers.

### Learning Outcomes

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

- Identify and explain American political principles.
- Analyze and critique current political topics and issues.
- Assess the forms and processes of political participation at the local, state, national, and/or international levels.
- Evaluate and compare the structure and function of different political systems in the world, as well as the international system itself.
- Analyze different political theories, especially liberalism and conservatism.
- Analyze the historical and philosophical foundations of the United States and California constitutions.
- Examine complex political issues by selecting and using appropriate social science methodologies and approaches, including the analysis of primary sources and the development, evaluation, and testing of hypotheses using the scientific method.

Students who wish to earn the Associate in Arts in Political Science for Transfer (AA-T) must complete 60 CSU transferable units with at least a 2.0 grade point average. This must include the units required for full completion of the IGETC or CSU GE curriculum and the units for the major as specified below. Each course in the major must be completed with a grade of "C" or "P" or better. Courses used to meet the major requirement may also be used to meet IGETC or CSU GE requirements.

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

### Courses Required for the AA-T in Political Science

Course.....	Units
<b>Required</b>	
POLS 1 American Government .....	3.0
POLS 2 Comparative Government .....	3.0
POLS 3 Political Theory.....	3.0
POLS 5 International Relations.....	3.0
<b>Choose at least 6 units from the following courses</b>	
ECON 5 Introductory Statistics for Economics, Business and Social Sciences.....	5.0
POLS 4 The Politics of Globalization .....	3.0
POLS 12 Ethnic Politics in the United States .....	3.0
POLS 15 Introduction to Public Policy .....	3.0
POLS 18 Government & Politics of Latin America.....	3.0
POLS 19 Gender, Politics, and Policy .....	3.0
POLS 22 Environmental Politics and Policy .....	3.0
POLS 43 The Constitution and Individual Rights.....	3.0
POLS 45 Governments and Politics of Middle East .....	3.0
POLS 41 Independent Studies in Political Science .....	1.0
<b>Total: .....</b>	<b>18.0 – 20.0</b>