OFFICE OF INSTRUCTION

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Catalog Update for 2024-25 College Catalog

Last Updated: December 15, 2024

Degree and Certificate Requirements:

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 twigraduation with an associate degree or an associate degree for transfer at CCSF. Please co for further advice.

BOARD OF TRUSTEES

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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

Course	**Units**
Required Biology	
BIO 100A General Biology	5.0
BIO 100B General Biology	5.0
Required Chemistry	
CHEM 101A General College Chemistry	6.0
CHEM 101B General College Chemistry	5.0
Choose one of the following Calculus courses	
MATH 100A Short Calculus I	3.0
MATH 110A Calculus I	5.0
Choose one of the following Physics options	
OPTION 1	
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
OPTION 2	
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
Total:	**32.0 – 34.0**

BUSINESS

California Real Estate Salesperson Certificate of Achievements ŇEW

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.

CNIT 133 JavaScript, jQuery, AJAX 3.0
CNIT 129S Securing Web Applications 3.0
Choose one of the following courses
CNIT 131A XML and JSON 3.0

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.
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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 3.0

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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 Continua.114 -1.15 Td [(C)-1.5 (H)-1.6 (I)9.6 (N)-1.6 ( )0.6 (30B)3.3 ( )0.6 (C)-1.6 (o)6.2 (nt)3.5 (i)1.5 (nua.114 -1.15

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

IDST 30 Demystifying the Middle East

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
Total: 18.0

MATHEMATICS

Associate in Sciencein Mathematics for Transfer (AS-T) - REVISED

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.

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

Course	**Units Required**
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
Total:	**16.0**

SOCIAL SCIENCES

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 argume.4 ( )0.6 8-1.4 (s)-50.5 (t)3.5 (he)0.5 (s)-1.9 (t

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 Required**
POLS 1 American Government	3.0
POLS 2 Comparative Government	3.0
POLS 3 Political Theory	3.0
POLS 5 International Relations	3.0
Choose at least 6 units from the following courses	
ECON 5 Introductory Stati. following courses	