



Curriculum for B.S. Degree in Fire Protection Administration and Technology (120 units)

CALIFORNIA STATE UNIVERSITY, LOS ANGELES

(Effective Fall 2016)

Lower Division General Education Requirements (39 units)

BLOCK A – Basic Subjects (9 units)

A1: COMM 1100 or HNRS 1100

A2: ENGL 1005B or ENGL 1010

A3: COMM1200/ENGL 1050/PHIL 1600/POLS 1555

American Institutions (6 units)

U.S. History

U.S. Constitution

BLOCK B – Natural Sciences & Mathematics/ Quantitative Reasoning (9 units)

B1 – CHEM 1000 or PHYS 1560, 1570

B2 – Biological

B3 – Interdisciplinary Physical /Biological

B4 – MATH 1000

BLOCK C – Arts and Humanities (6 units)

BLOCK D – Social Sciences (6 units)

BLOCK E – Lifelong Understanding and Self-Development (3 units)

1 course each A1, A2, A3

Oral Communication (3)

Written Communication (3)

Critical Thinking and Composition (3)

1 course (3)

1 course (3)

1 Course each B1, B2, B4

NOTE: B3 (course can be taken in place of either B1 or B2, but not both)

1 course (3)

1 course (3)

1 course (3)

1 course each C1, C2 (6)

2 courses (6)

ENGR 1500 (3)

Required Community College Pre-Requisites

A minimum of 18 semester units of community college courses is required, as follows (semester units shown):

Building Construction for Fire Protection (3)

Introduction to Fire Protection (3)

Fire Combustion and Behavior (3)

Fire Equipment and Systems (3)

Fundamentals of Fire Prevention (3)

Occupational Safety (3)

A maximum of 6 semester units of community college coursework may be used as lower division electives. Select from the following (semester units shown):

Fire Apparatus and Equipment (3)

Fire Hydraulics (3)

Fire Investigation I (3)

Fire Company Officer (3)

Structural Firefighting (3)

Hazardous Materials I and II (3 each)

Related Codes and Ordinances (3)

Emergency Medical Technical I (6)

Wildland Fire Control (3)

Requirements for the Major

A total of 24 semester units of community college courses may be included in the major program. The remainder of the major is primarily upper division work. A maximum of 12 units may be taken in lower division courses.

Required Courses (36 units)

TECH 3500	Fire Protection and the Community (3)
TECH 3510	Fire Defense Planning (3)
TECH 3520	Building Construction aspects of fire protection (3)
TECH 3530	Fire Disaster Planning (3)
TECH 3540	Human Fire Behavior in Fire Protection (3)
TECH 3550	Fire Protection Laws (3)
TECH 3560	Emergency Management and Terrorism (3)
POLS 4030	State and Local Government (3)
TECH 4000	Written Communications Skills for Industrial Technology (3)
BUS 3050	Business Communication (3)
TECH 4520	Fire Prevention Administration (3)
TECH 4560	Fire Finance (3)
POLS 4660	Public Financial Administration (3)
TECH 4570	Advanced Fire Leadership and Ethics (3)
TECH 4580	Fire Research Methods for Emergency Managers (3)
TECH 4590	Fire Administration Capstone Course (3)

Fire and Equipment Special Track- Select 0 to 9 units from following:

TECH 3580	Advanced Hazardous Materials (3)
TECH 3590	Fire Cause Investigation (3)
TECH 4530	Advanced Equipment and Systems (3)
TECH 4550	Fire Protection of Structural Members and Building Components and Materials (3)

Special Administrative Track - Select 0 to 9 units

POLS 4040	Urban Government and Politics (3)
TECH 4510	Fire Laws and Building Codes: Interpretation and Enforcement (3)
POLS 4610	Dynamics of Urban Administration (3)
POLS 4720	Organization and Management (3)

General Education Upper Division Theme (9 units)

UPPER DIVISION GE THEME 3 Courses (9 units)

Notes:

- GE requirements must add up to at least 48 semester units. (39 Lower Division, 9 Upper Division units).
- An Introduction to Higher Education course (IHE) is required of all first-time freshman.
- A minimum C- grade in A1, A2, A3, and B4 classes is required. This does not apply to meeting prerequisite for courses that require these courses to be completed with a grade of C or better.
- A minimum C grade average in general education is required of all students following the Fall 2016 or later catalog.
- Civic Learning/Community Engagement Requirement (6 semester units). Three semester units will be fulfilled by completing the IHE course. One (cl) course must be completed at the upper division general education level. These courses are designated as (cl) after the course listing.
- Diversity Requirement (6 semester units). Students must complete one race/ethnicity (re) course and one diversity(d) course or another race/ethnicity (re) course. These courses are designated as (re) and (d) after the course listing.
- Writing Intensive Requirement (3 semester units). Students must complete one writing intensive (wi) course in their major. These courses are designated as (wi) after the course listing.