

## Student Success Pathway

Mile Stones; General Education requirements

Students must receive a total of 60 units to obtain an AA or AS degree for transfer to Cal-State University systems. Students must complete 12 units from the Community College awarding the degree and must obtain at least six units in the major (**Fire Technology**).

**Required General Education requirements;**

### I. English Language Communication and Critical Thinking (minimum 9 units from A1-A2 and A3)

- A1 Communication studies 102 Public Speaking. This class prepares student for public speaking and will be used when you meet an oral board or Fire Chief Interview (3 units)
- A-2 Written Communication, English 101 (3 units). Firefighters must be able to organize their thoughts into a comprehensive report.
- A-3 Critical Thinking, philosophy 110 (4 units). This course will help new firefighters fit into the organization and fire station life.

### II. Scientific Inquiry and Quantitative Reasoning (minimum 9 units from B-1, B-2; include a lab and B-4)

Firefighters can use any of these courses because fire is a physical science and is influenced by weather and the environment. Fire fighters need to know what the environment is doing to the topography, weather conditions and water supplies for firefighting and health issues of the general population.

#### B-1 Physical Science (Need 3 units, pick one)

- Earth Science 110 (3 units)
- Environmental Studies 140 (3 units)
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#### B-2 Life Science

- Environmental studies 259  
Lab included (4 units)

#### B-4 Mathematics

- Math 105; Mathematics for the Liberal Arts Student. This class deals with problem solving, financial management, probabilities and statistics.

### III. Arts and Humanities (minimum 9 units from C-1 and C-2)

It is important for college students to broaden their horizons and enjoy the college experience and one way to do this is through Music and Art appreciation.

C-1 Arts: Art-100, Dance-100, Music-101 or Theater Arts-100. (3 units)

#### C-2 Humanities (6 units)

- Philosophy 106 (3 units)
- Sign Language-110 (3 units) wouldn't it be nice to be able to say "don't be scared" to a deaf girl.

### IV. Social Sciences (minimum 9 units)

- US History – 118, 120, 121, 124 or 127 (3 units)
- Political Science 101 (3 units) A look at US, National, State and Local Governments.

- Psychology 100 (3 units) or Psychology 140, A look at adulthood and aging (3 units). The population is getting older and many firefighters will be treating patients who are old. Examines Adult problems and geriatrics.

**Area E Lifelong learning and self-development** (pick 3units)

- Nutrition & Food 115 (3 units)
- Sociology 112 Marriage and family (3 units)

Study Smart! Take your courses in the recommended sequence to achieve high grades in courses required for this major. All core classes must be completed with a grade of C or better to be eligible for the Basic Fire. The BFA is offered in two formats, Schedule 1 is Full time (approx. 14 weeks 560 hours) and Schedule 2 Part-time (approx. 35 weeks 560 hours). The Part –time academy is designed for students making career changes and those who must work full time jobs. The part –time academy meets on Friday nights, Saturdays and some Sundays for 35 weeks.

Academy Fire Technology 101 & 102 must be taken prior to taking 104, 105 &106.

**Fire Technology Core Classes**

- Fire Technology 101, Fire Protection Organization (3 units)
- Fire Technology 102, Fire Behavior and Combustion (3 units)
- Fire Technology 103, Personal Fire Safety (3 units)
- Fire Technology 104, Fire prevention Technology (3 units)
- Fire Technology 105, Building construction for Fire Protection (3 units)
- Fire Technology 106, Fire protection Equipment and Systems (3 units)
- Fire Technology 121, Physical Fitness for Public Safety Personnel (3 units)
- Fire Tech. 121 L, Physical Fit for Public Safety Personnel Performance & Assessment (0.3 units)

**Fire Academy 008, Physical Ability Test** (0.1 units)

- The Physical Ability test is a timed event and is Pass/Fail. You must pass this one day event to be eligible for the Basic fire Academy.

**Emergency Medical Technician- I** (11 units)

- You must complete the Emergency Medical Technician – I, course that leads to the National Registry Certification and California EMT card.

**Basic Fire Academy FAC-060** (12 units) & **Physical Fitness FAC 007** (2.5 units) total 14.5 units

There are 22 subject areas in the Basic Fire Academy (BFA) that result in the California State Fire Marshal Fire fighter 1 Certification. This certification is required by most fire agencies in California to take their entrance exam to become a fire fighter. Physical Fitness FAC 007 is a physical fitness class that runs concurrently with the BFA. This course is designed to keep fire fighter cadets in shape and practice the ‘Biddle’ exam. The Biddle exam is required by most fire agencies to participate in their entrance exams.

## Alternative Course Ideas

### I. English Language Communications Critical Thinking

- A-3 Critical thinking, Reading 150 (3 units). Teaches firefighters with an emphasis on Critical reading and thinking skills.

### II. Life Science

- Anthropology 101 (3units) and 101 Lab (1.units). This course studies the human evolution and where mankind fits in the environment. Firefighters thinking about becoming paramedics would enjoy this course. The Lab is both actual and virtual and counts towards the lab requirement.

### III. Arts and Humanities

- English 271
- English 272 World literature
- Sign Language 110 (3 units) Firefighters need to be able to communicate to everyone including people with disabilities

### IV. Social Science

- Political Science 101
- Psych 100
- Sociology 100