

# Santa Ana College

## Fire Technology



**1530 W. 17<sup>th</sup> Street • Santa Ana • CA 92706-3398 • (714)564-6845**

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August 2020

Dear Firefighter I Candidate:

Welcome to Santa Ana College, home of the largest, finest and oldest fire technology program in California! You have made a wise career choice. Your success will depend on whether you have the proper attitude, tenacity and mental discipline to achieve your goal. Our staff and counselors are ready to help you succeed. Our graduates have attained firefighter positions in many departments in California, throughout the United States & abroad.

The Santa Ana College Fire Academy program is administered under the guidance of the Orange County Fire Chiefs' Association and is nationally recognized as a premier fire-training program. This program meets the Orange County Fire Service standards and has been approved by the State Fire Marshal and the State Board of Fire Services as the **First Accredited Regional Fire Academy in California**. Our standards far exceed the minimum qualifications and training required for California Firefighter I Certification. Additionally, our graduates receive certificates in Vehicle Extrication, Hazardous Materials First Responder, Firefighter Survival, Rescue Systems I, Fire Control III and Low Angle Rope Rescue.

**For the fall 2020 semester, we will continue to comply with Governor Newsom's Executive Order N-33-20 to stay home in order to prevent the spread of COVID-19.** This is for the safety of our students, staff, faculty, and the public. If you would like to speak to someone in the Fire Tech office, please call the number above and kindly leave a message with your email or phone number. You will receive a callback within 24 hours. If you prefer to send an email, all staff/faculty emails can be found on the [Fire Technology Website](#). We are happy to help you attain your career goals.

~ SAC Fire Technology Staff

Santa Ana College Mission Statement:

Santa Ana College inspires, transforms and empowers a diverse community of learners.

Fire Technology Mission Statement:

The Santa Ana College Fire Technology Department serves a diverse community of students. The program provides students the opportunity to develop the technical, academic and professional competencies required for fire and emergency service professions, as well as, transfer to higher educational institutions. The department is committed to developing civic leaders that advocate, champion and engage in the ethical administration of public policy.

# INFORMATION SHEET/NEW STUDENT PROCEDURES FIREFIGHTER 1 PROGRAM

## *STEPS TO COMPLETE ELIGIBILITY FOR 060 BASIC FIRE ACADEMY*

### STEP 1.

To learn as much as you can about being a firefighter, please **sign up online** at [www.sac.edu](http://www.sac.edu) for a **Fire Technology Program Orientation** through our **Counseling Department**. You will need to have a student I.D. # for the college to sign up. Also, read all about the degree options available such as our most popular Public Fire Service Option (0646) online in the [Santa Ana College catalog](#).

You have made the decision to become a firefighter. There is considerable competition for every job, so provide yourself with every chance of success. Be properly prepared to take maximum advantage of all opportunities that will help you achieve your goal. The more you have to offer a potential employer the better your chances of being hired.

## *MEASURE YOUR EXISTING SKILLS AND ABILITIES*

### STEP 2.

Our Assessment Center (AC) will send you an email with your English and Math placement recommendations based on your self-reported high school grades and GPA that you provided in your SAC application.

Students who do not have access to their high school transcripts or studied outside of the U.S. can take the **Guided Self Placement**, which is available on the [AC website](#). It will take about 3 business days for students to receive an email.

Students can also meet with a Counselor in the AC during the drop-in hours, listed on their website. The Assessment Center is located in the Library building on the second floor (L-223). Their Phone # is (714) 564-6148

**Students with an AA degree or higher are exempt from 3SP requirements**, which include, placement, orientation, and educational planning. Students can complete an exemption form in the Counseling Center S-112.

## *GENERAL EDUCATION IS AN IMPORTANT PART OF THIS TRAINING*

### STEP 3.

Study Smart! Take your courses in the recommended sequence to achieve high grades in courses required for this major. If you are working, do not take a class load greater than you can successfully handle. Completion of general education classes before you begin your studies in this major will improve your chance for success. General education courses are listed in the catalog and should be reviewed with the Counselor before enrolling.

## ***TAKE THE FIRE TECHNOLOGY CORE CLASSES***

### **STEP 4.**

All core classes must be completed with a grade of “C” or better to be eligible for the Basic Fire Academy. Fire Technology 101 & 102 must be taken prior to taking 104, 105 and 106.

3.0 Units - Fire Technology 101, Fire Protection Organization  
3.0 Units - Fire Technology 102, Fire Behavior and Combustion  
3.0 Units - Fire Technology 103, Principles of Fire & Emergency Services Safety & Survival  
3.0 Units - Fire Technology 104, Fire Prevention  
3.0 Units - Fire Technology 105, Building Construction for Fire Protection  
3.0 Units - Fire Technology 106, Fire Protection Systems  
3.0 Units - Fire Technology 121, Physical Fitness for Public Safety Personnel  
0.3 Units - Fire Technology 121L, Physical Fitness for Public Safety Personnel - Performance and Assessment

## ***OPENING A FILE***

### **STEP 5.**

Upon successful completion of Fire Technology 101 & 102, come to the Fire Technology office in A-113 to complete a Prerequisite Verification check-off sheet. At this time you can email office staff to “open your file” **Keep your address, phone numbers & email up-to-date with the Fire Technology Office, in addition to the Admissions Office, in case we need to contact you.**

## ***FIRE ACADEMY 008, PHYSICAL ABILITY TEST (BIDDLE)***

### **STEP 6.**

A physical ability test is required to be eligible for the Basic Fire Academy. You register for the class online under FAC 008. All students must pre enroll & pay, as **there is no on-site enrollment**. The physical ability test is a pass/fail exam. Once your file is open, **it is your responsibility to make and turn in a copy** of the Physical Ability letter into our office, (**keeping the original for yourself**). Most Fire Departments require a physical ability test prior to employment.

The Physical Ability test was designed to identify persons who can meet the physical demands of a firefighter. To pass the Physical Ability Test, candidates must complete all of the events successfully within the required time standard of 9:34. This test was developed and validated with firefighters from 41 different cities in both Orange and Los Angeles counties. The test is a work sample test designed to simulate tasks performed by firefighters during fire suppression operations and other emergencies. **BE ADVISED IF YOU PASS THIS ASSESSMENT AT A MINIMAL LEVEL, YOU MAY NOT HAVE THE STRENGTH AND STAMINA NECESSARY TO SUCCESSFULLY COMPLETE THE ACADEMY.**

Candidates may only participate in the test once in a single day (once per semester). If

you fail, you may return on a subsequent test day for another attempt. Physical Ability tests are scheduled approximately once per month during the fall and spring semesters and can only be taken 6 months at a time with our college. Physical Ability training classes (FAC 018 B, C & D) are also offered throughout the semester for students who need additional practice and training. You may pick up a description of the Physical Ability Test in the Fire Technology Office. The FTC 121L class will also provide you with a description and an opportunity to practice the test.

## ***EMERGENCY MEDICAL TECHNICIAN I***

### STEP 7.

You must complete an **Emergency Medical Technician I** course that leads to National Registry. Upon completion of your EMT Course you must take & pass the **National Certification Exam** to receive **certification in the state of California as an EMT. This must be done prior to attending the academy.** If you possess the “California State License EMT Card” you may also provide us with a copy of that. It does supersede the ‘National Registry Card.’

**Note:** Please bring a copy of your National Registry card or CA EMT License to SAC A-113 for your file. Prerequisite for most EMT courses: CPR Healthcare Provider Card.

## ***MEDICAL EXAMINATION***

### STEP 8.

A medical exam is **required** for all academy students prior to their academy placement.

You can use any physician you choose. However, be sure your doctor understands the requirements and **you know what your costs will be up-front.**

Your doctor will need the **NFPA 1582 Standards booklet and the medical form** to complete your medical examination. You can purchase the National Fire Protection Agency, 1582 Standards (NFPA 1582) booklet from the Firefighter Bookstore and obtain the medical exam form from the Fire Technology Office. A list of providers is included in that packet.

In addition to a completed medical exam form, you must provide the Fire Technology Office with a signed statement from a licensed physician stating you meet the standards of NFPA 1582. **Turn in a copy of the front page of your medical report form which has the doctor’s approval and signature. Keep the original for yourself.** The medical examination is comprehensive because it is very similar to the exams fire departments use to screen new employees. The medical exam will let you know if you meet minimum medical hiring standards. This medical is valid for **two years** from the first examination date.

If you are unable to meet the NFPA 1582 medical requirements, you may not qualify for employment as a firefighter. You may want to consider other options in the fire service such as fire protection engineer, fire inspector, investigation, sprinkler installation, etc.

## ***TO BE ELIGIBLE FOR THE BASIC FIRE ACADEMY***

### STEP 9.

**It is a first come, first serve basis.** Students will be placed immediately in the **next available academy** upon successful completion of all academy prerequisites.

The academy prerequisites students **must** have completed are listed below:

A. You have 'opened a file' in Fire Technology Office, A-113, after completion of FTC 101 & 102 with the grades posted.

B. Passed all Prerequisite Classes with a "C" or better grade:

FTC 101, Fire Protection Organization

FTC 102, Fire Behavior & Combustion

FTC 103, Principles of Fire & Emergency Services Safety & Survival

FTC 104, Fire Prevention

FTC 105, Building Construction for Fire Protection

FTC 106, Fire Protection Systems

FTC 121, Physical Fitness for Public Safety Personnel

FTC 121L, Physical Fitness for Public Safety Personnel - Performance and Assessment

C. Provide the Fire Technology Office with a **copy** of your "**National Registry Card**" from an EMT course which meets DOT standards. If you possess the "California State License EMT Card" you may also provide us with a copy of that. It does supersede the 'National Registry Card'

D. Provide the Fire Technology Office with a **copy** of your **Official Biddle Certificate** - FAC 008 - Physical Ability Test (NOT done in FTC 121L)

E. A complete Medical that has been **checked off & signed** by your own Dr. or either Dr. listed on our Medical Form

**If it becomes necessary for a student to give up their spot in an academy prior to notification of the Pre-Academy (P.A.M.) meeting, and they notify the Fire Technology Office, the student will be assigned to a future academy.**

**If a student fails to meet deadlines they will forfeit their spot in the academy.**

### STEP 10.

An Academy Coordinator will notify candidates, by email, of:

Basic Fire Academy start date

Registration information

Pre-Academy meeting date (P.A.M.)

**So please make sure your contact information is current in your file.**

## BASIC FIRE ACADEMY

**Schedule – Full Time** - Approx. 16 weeks, Monday through Friday

Academy Broken down - 17.5 total units

FAC 060A – FF1A (BFA) – 10.0 units

FAC 060B – FF1B (HazMat) – 1.0 unit

FAC 060C – FF1C (Wildland FF1) – 2.0 units

FAC 063 – RS1 - 0.5 units

FAC 031 – Vehicle Ex - 0.5 units

FAC 076 – LARRO - 1.0 unit

FAC 007 – Physical Training & Orientation - 2.5 units

### There are 24 subject areas:

Apparatus, Tools & Equipment – 16 hours  
\*Auto (Vehicle) Extrication - 24 hours  
Breathing Apparatus/Search & Rescue - 32 hrs  
Career Development – 4 hours  
Combined Drill – 8 hours  
Communications – 4 hours  
\*Confined Space Awareness – 8 hours  
\*EMS (Re-certification) Skills – 24 hours  
Facilities Maintenance/ Equipment Issue – 8 hrs  
Final Exam – 4 hours  
\*Fire Behavior & Control – 48 hours  
\*Firefighter Survival – 16 hours  
Forcible Entry - 8 hours  
\*Hazardous Material First Responder- 28 hours  
Hose Operation - 60 hours  
IS-100 / IS-700 – 8 hours

\*ICS 300 – 24 hrs  
Orientation - 8 hours  
Ladder Operation - 52 hours  
\*Low Angle Rope Rescue Operations – 24 hours  
\*Physical Ability Test – 8 hours  
\*Rescue Systems I - 40 hours  
Ropes and Knots - 8 hours  
Salvage Operations - 24 hours  
Ventilation Practices - 32 hours  
\*Wildland Fire Control - 64 hours  
\*State Firefighter I Certification Training -  
(Written & Skills) – 40 hours  
**Total Hours for Fire Academy Instruction  
and Testing – 600 hours**  
  
\*Certification Given

The Basic Fire Academy has strict grooming standards. The candidates should possess a high degree of self-discipline, maintain a positive mental attitude to handle stress, and be able to adjust easily to a structured organization. The Academy emphasizes attitude, teamwork, self-confidence, self-discipline, quick thinking and the ability to follow exact instructions and orders.

#### Nondiscrimination Policy

The District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities. The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics. The Chancellor shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have their complaints heard in accordance with the Title 5 regulations and those of other agencies that administer state and federal laws regarding nondiscrimination. No District funds shall ever be used for membership, or for any participation involving financial payment or contribution on behalf of the District or any individual employed by or associated with it, to any private organization whose membership practices are discriminatory on the basis of national origin, religion, age, gender, gender identity, gender expression, race, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or because of his or her association with a person or group with one or more of these actual or perceived characteristics. Inquiries regarding compliance and/or grievance procedures may be directed to the District's Title IX Officer and/or Section 504/ADA Coordinator.

RSCCD Title IX Officer and Section 504/ADA Coordinator

John Didion

2323 N. Broadway, Santa Ana, CA 92706

Phone: (714) 480-7489

#### Equal Employment Opportunity Clause

The parties to this contract agree to promote equal employment opportunities through its policies and regulations. This means that both parties will not discriminate, nor tolerate discrimination, against any applicant or employee because of race, color, religion, gender, sexual orientations, national origin, age, disabled, or veteran status. Additionally, the parties will provide an environment that is free from sexual harassment, as well as harassment and intimidation on account of an individual's race, color, religion, gender, sexual orientation, national origin, age, disability, or veteran status.

