



FIRE TECHNOLOGY PROGRAMS

EDUCATION AND INDUSTRY PARTNERSHIPS

Education and Industry Partnerships – review relationships with four-year institutions including preparation for transfer and changes in major requirements assess employment as well as review employment and the needs of employers and regional partners. Sample activities include the following:

Topics of focus:

- Integrate advisory committee recommendations and regional training needs.
- Review career and technical education (CTE) labor market information and trends.
- Explore collaborations, internships and externships, and cooperative work experience opportunities.
- CTE unit completion goals in the Student-Centered Funding Formula and CCCCO Vision for Success.

ADVISORY COMMITTEE RECOMMENDATIONS

The Fire Technology Program engages regularly with industry partners to collaborate and measure the efforts of the college to educate our students and that education's alignment with industry needs. To that end the following Advisory Committees have been established to produce clarity and direction for the Fire Technology program.

FIRE TECHNOLOGY ADVISORY COMMITTEE

This is a group comprised of Fire Chiefs from area fire agencies or their designee. The group meets at least once per semester to discuss the status of the Fire Technology program and discuss curriculum as well as opportunities for collaboration. The following are regular agenda topics that are discussed at each meeting.

AHC State Fire Marshall Firefighter I Academy

The AHC Fire Academy Coordinator provides an update on the State Fire Marshall Firefighter I curriculum. Thanks, are always appropriate for the many Part-Time Faculty that bring the Fire Academy program life and regularly support the instructional needs of the program. The need for donated equipment from local fire agencies to the Fire Academy is also always discussed.

The Fire Technology associate's degree and certificate programs

The Fire Technology Coordinator will routinely discuss the opportunity for the members of the local fire service to earn their associates degree or certificate with Allan Hancock College in Fire Technology. The convenience of all degree core courses is always referenced. Additionally, Fire Chiefs are encouraged to have their members meet with a college councilor to produce an academic plan to guide them towards their academic goals.

The Wildland Fire Technology associate's degree and certificate program

The Fire Technology Coordinator will routinely discuss the opportunity for the members of the local fire service to earn their associates degree or certificate with Allan Hancock College in Wildland Fire Technology. The convenience of all degree core courses is always referenced. Additionally, Fire Chiefs are encouraged to have their members meet with a college counselor to produce an academic plan to guide them towards their academic goals.

Firefighter Internship Program

The Firefighter Internship Program is a semester long opportunity for Allan Hancock College Fire Academy graduates who are also an EMT or Paramedic to work with our local fire agencies to earn college credit towards their degree or certificate. The program is a fantastic opportunity for our college students to work in a fire station and respond to emergency calls. This program is a collaboration between the Fire Technology Program, the Career Center, and local fire agencies.

Fire Department Instructional Service Agreements (ISA's)

This is a new topic of discussion that has produced the opportunity for further collaboration and in this case apportionment sharing. The Fire Technology program has produced three non-credit courses to assist fire departments with their regularly required training and education programs. Individual meetings are hosted with each fire agency along with the college's Contract Education Coordinator to discuss how an ISA would work for their agency.

WILDLAND FIRE TECHNOLOGY ADVISORY COMMITTEE

This committee is comprised of the Fire Technology Coordinator, and the Part-Time Faculty that are assigned to teach the degree and certificate core courses. The group meets at least once each semester to discuss curriculum, textbooks and review the programs requirements and performance. Also discussed in the committee is outreach from Allan Hancock College faculty to our local fire agencies. In-service training courses are discussed as the needs of the local fire agencies arise. Once a need is identified this group works to provide the needed training.

WOMEN'S FIRE CAMP ADVISORY COMMITTEE (SUCCESS TEAM)

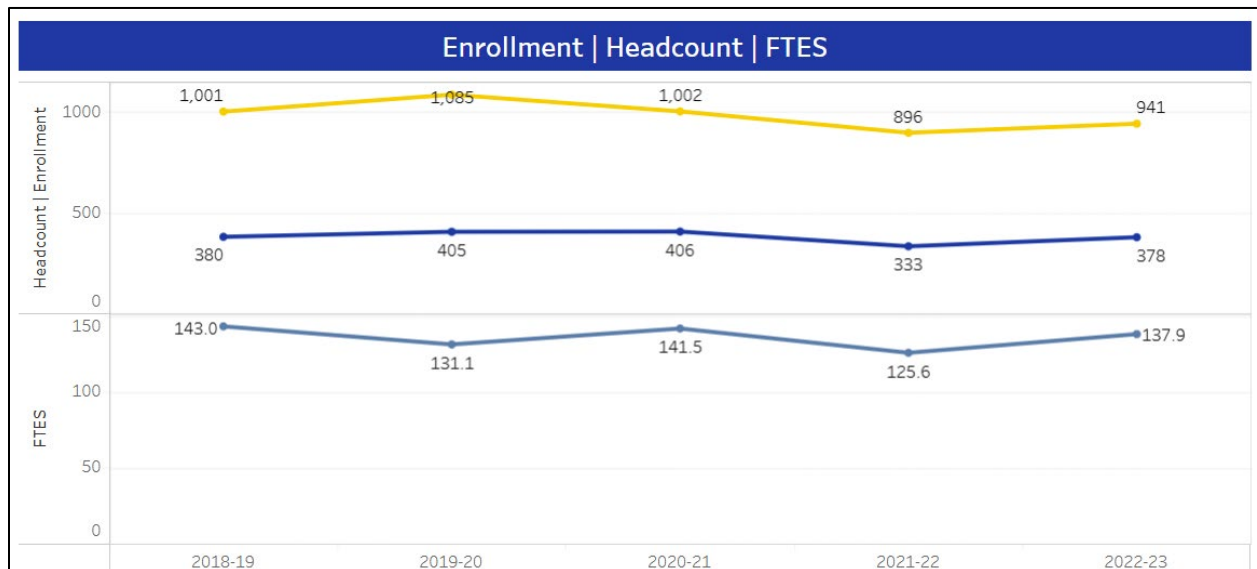
This advisory committee has been meeting monthly to develop a Women's Fire Camp to be hosted by the Fire Technology department at the Public Safety Training Complex. The effort involves volunteers from several different fire agencies. It also includes secretarial staff and a college counselor. The effort was established after the need for more female participation in all fire technology programs including the Fire Academy was identified formally as part of the last Fire Technology 6-year Program Review. The first camp is on tract for an August 3, 2024, delivery.

FIRE TECHNOLOGY ADVISORY COMMITTEE RECOMMENDATIONS

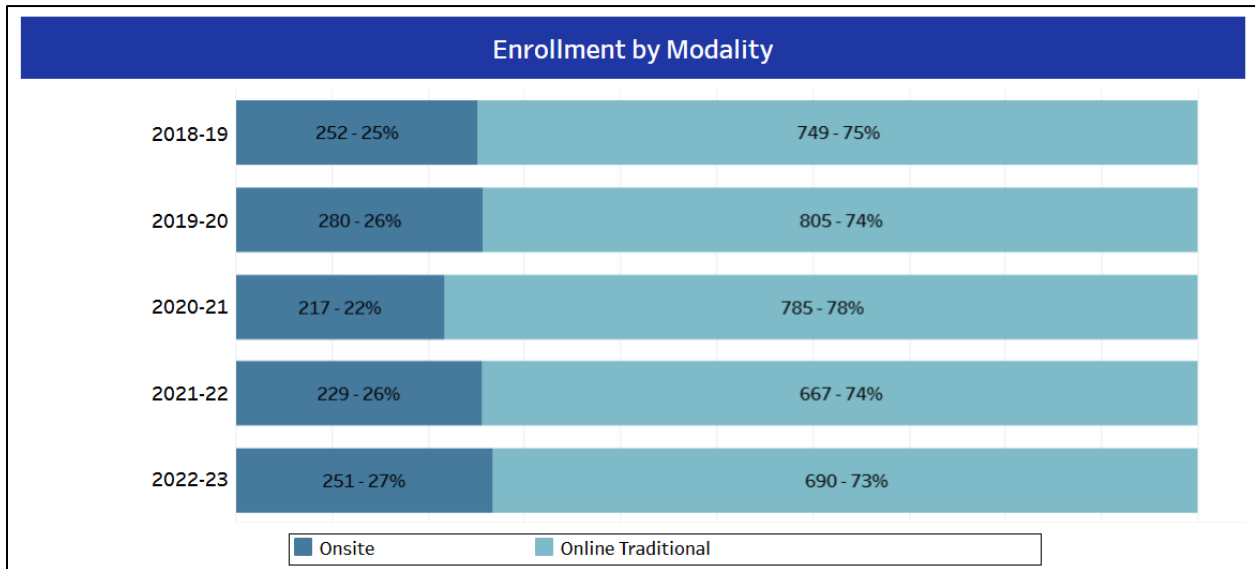
1. Continue to pursue Instructional Service Agreements with local fire agencies
 2. Develop a Regional Truck Company Operations Academy (40-hour)
 3. Continue to support Urban Search and Rescue Training for area fire agencies
 4. There is a need for Drivers Training courses to be hosted at AHC
 5. The Santa Barbara County Fire Department is interested in partnering with AHC to bring their Training Division onto the AHC PSTC complex property.
 6. Continue to develop the Women's Fire Camp
1. What data were analyzed and what were the main conclusions?

The data used to produce this effort comes from the Allan Hancock College website section of institutional data developed to provide industry date and trends . National data was also used to look at the combination of our local area which includes Santa Barbara County and San Luis Obispo County.

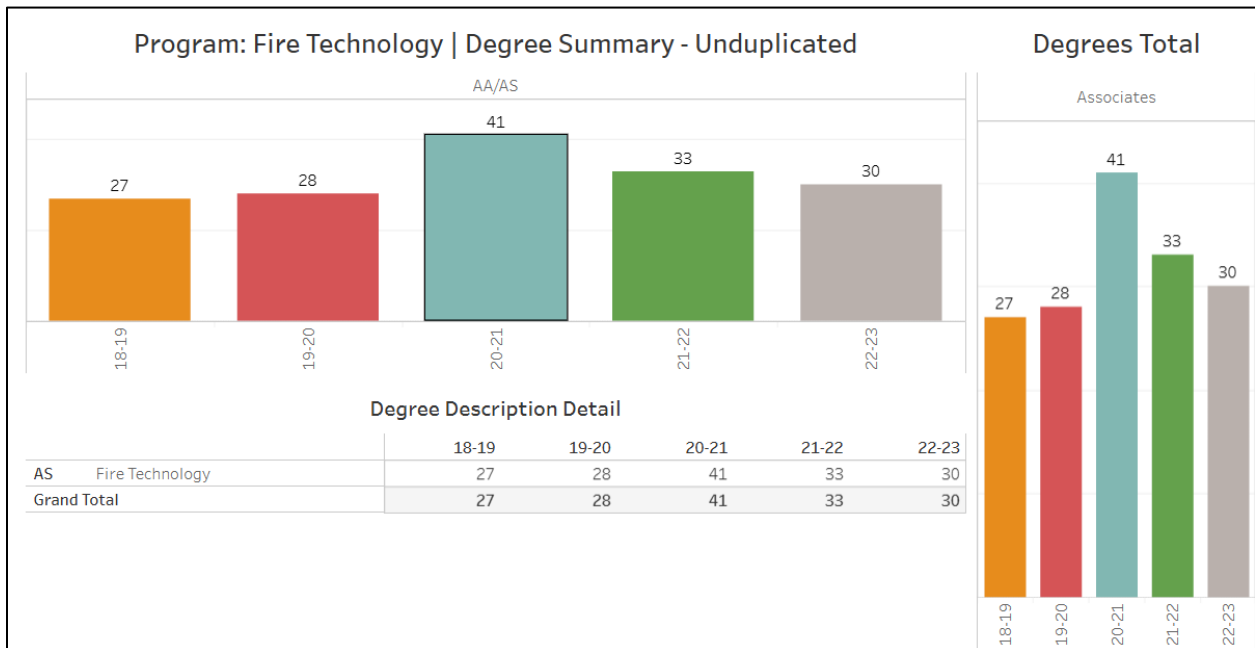
FIRE TECHNOLOGY

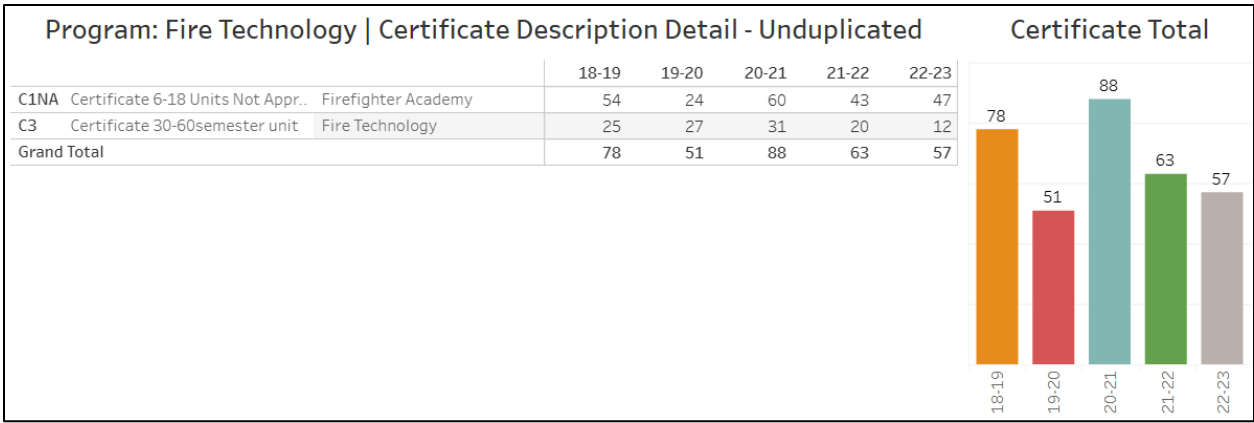


Fire Technology program enrollments have remained high and consistent over the past 5 academic years. This occurs without any significant marketing effort. There is only one full-time faculty assigned to the core course track. Part-time faculty round out the effort to keep all 6 core courses offered each semester.



The above graphic clearly establishes that most Allan Hancock College Fire Technology students are attending completely online. The onsite numbers referenced above would most likely be made up of Fire Academy students who are onsite each semester. The online environment is vital to the current and future success of the program as it allows for statewide enrollment. With statewide enrollment the Fire Technology program can fill all core courses and more each semester.





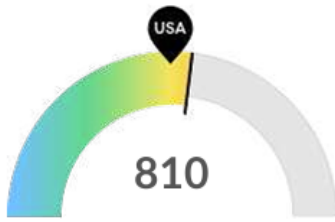
Top Schools	Completions (2021)
Allan Hancock College	203
Cuesta College	139
California Polytechnic State University-San Luis Obispo	16

The above data references the number of degrees and certificates that are earned each academic year out of the Fire Technology program. The counseling department as well as Fire Technology faculty continue to encourage students to pursue their degree or certificate. A more concerted effort to direct students into the Associates or Certificate program has begun in the Fire Academy.

FIRE SERVICE JOBS

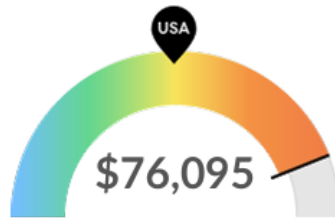


Average Job Posting Demand Over a Deep Supply of Regional Jobs



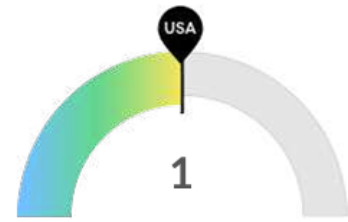
Jobs (2023)

Your area is a hotspot for this kind of job. The national average for an area this size is 725* employees, while there are 810 here.



Compensation

Earnings are high in your area. The national median salary for Firefighters is \$50,714, compared to \$76,095 here.



Job Posting Demand

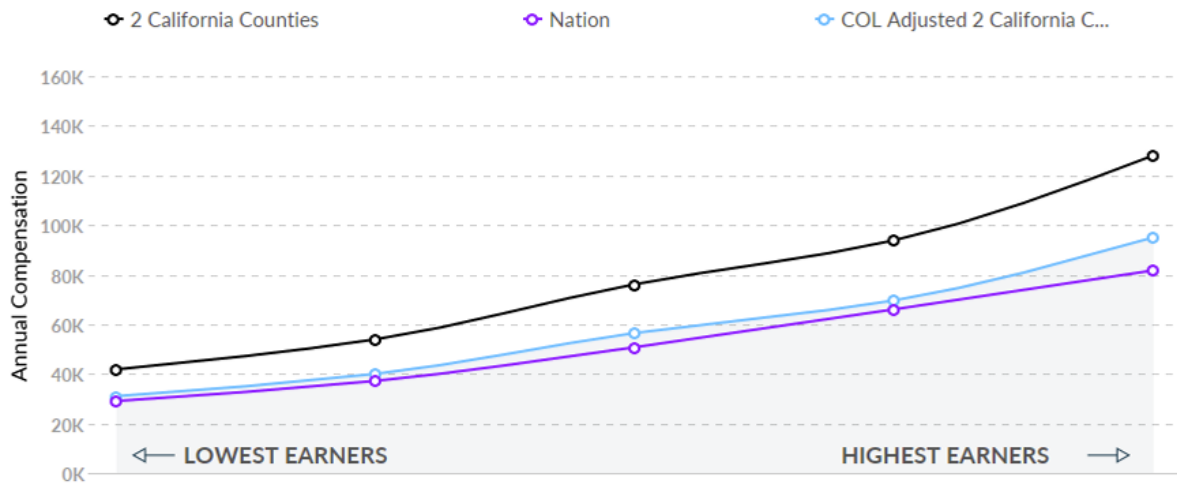
Job posting activity is about average in your area. The national average for an area this size is 1* job posting/mo, while there is 1 here.

The above data references several positive findings for Allan Hancock College students. First, there are more jobs available in the local area than is seen across the nation. Second, the compensation is significantly higher than the national average. Lastly, the jobs postings for vacancies are trending with the national average. The below three sets of data expand on these findings.

Compensation

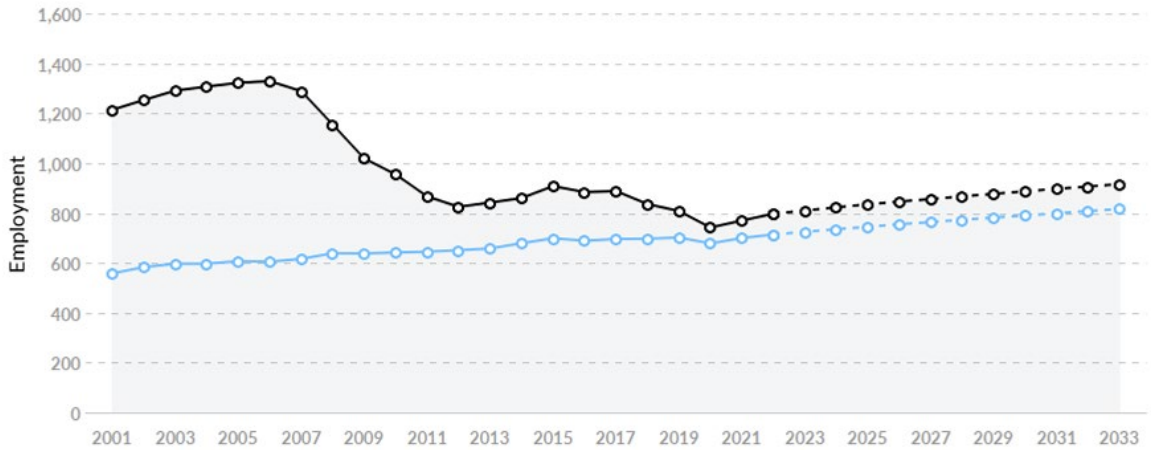
Regional Compensation Is 50% Higher Than National Compensation

For Firefighters, the 2021 median wage in your area is \$76,095, while the national median wage is \$50,714.



Regional Employment Is Higher Than the National Average

An average area of this size typically has 725* jobs, while there are 810 here. This higher than average supply of jobs may make it easier for workers in this field to find employment in your area.

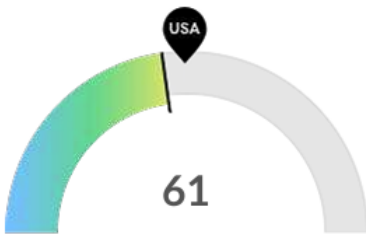


Region	2023 Jobs	2033 Jobs	Change	% Change
● 2 California Counties	810	916	105	13.0%
● National Average	725	816	91	12.6%

The below data set identifies several key factors that currently exist in our local area. First, no significant retirement numbers appear to be expected as our local area is ranking well below the national average. Second, our local area is rated very highly in our local area fire services. Lastly, gender diversity is also rated as high in our local area fire services.

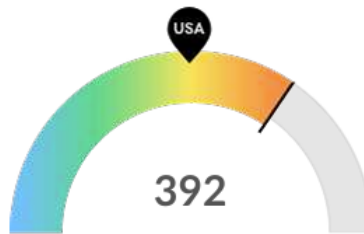
Demographics

Retirement Risk Is Low, While Overall Diversity Is High



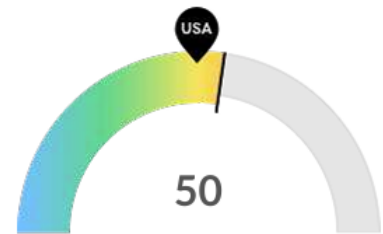
Retiring Soon

Retirement risk is low in your area. The national average for an area this size is 70* employees 55 or older, while there are 61 here.



Racial Diversity

Racial diversity is high in your area. The national average for an area this size is 232* racially diverse employees, while there are 392 here.

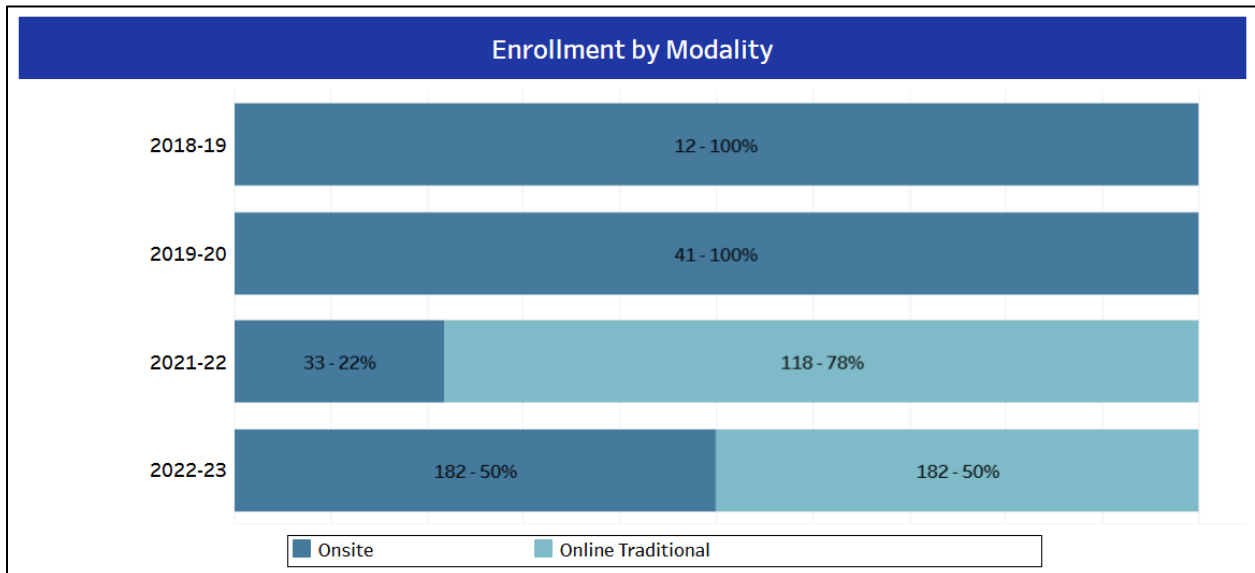
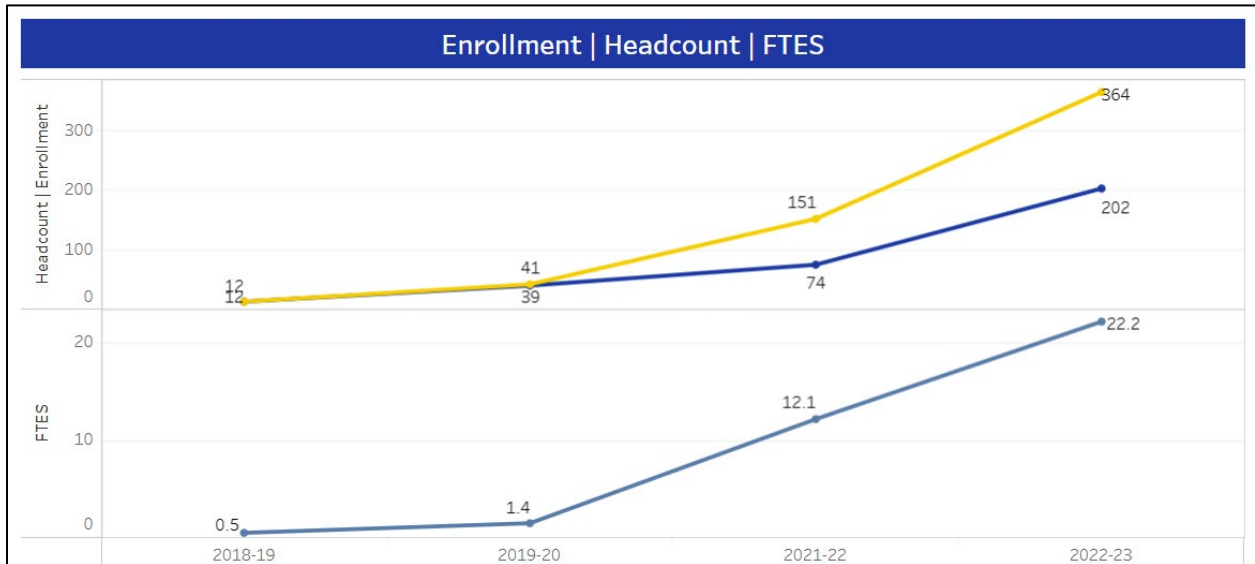


Gender Diversity

Gender diversity is high in your area. The national average for an area this size is 44* female employees, while there are 50 here.

WILDLAND FIRE TECHNOLOGY

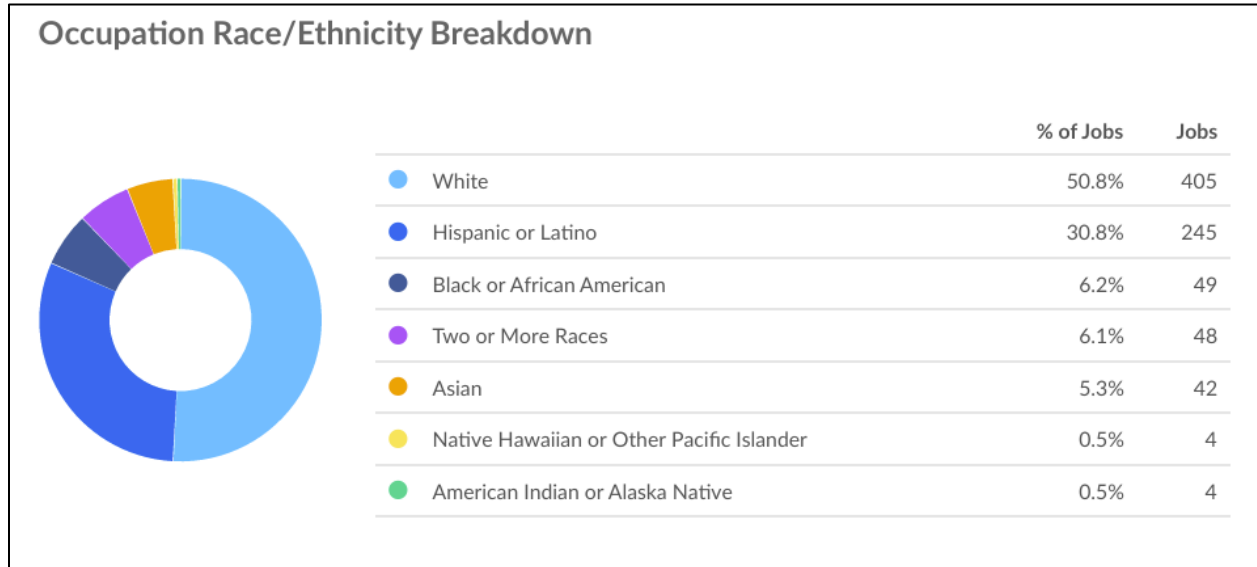
The Wildland Fire Technology program was dormant for many years. The catalog was filled with courses that were never provided. A significant effort to consolidate degree programs as well as the courses offered was undertaken by faculty in 2019. The course catalog was cleared of multiple degree programs and courses. Currently the college offers one Wildland Fire Technology and Certificate program which is appropriate. The program is staffed completely by Part-Time-Faculty and is slowly growing its student population despite a significant effort to recruit student.



As you can see the Wildland Fire Technology degree and certificate program has a large online modality to support all 5 core courses. The onsite numbers referenced above come from Fire Academy students attending wildland training courses during the fire academy.

- Based on the data analysis and looking through a lens of equity, what do you perceive as *challenges* with student success or access in your area of focus?

The fire service remains a white male dominated profession. This is the challenge. The college continues to recruit a more diverse student population not just by race but also by gender. The below data illustrates an accurate view of the nationwide trend of race and ethnicity breakdown as well as gender in the fire service.

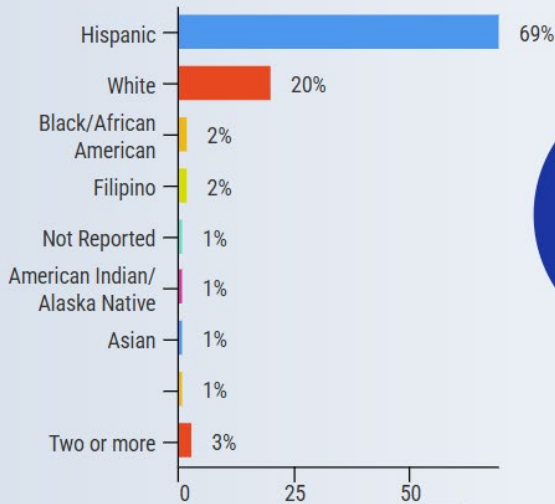


The Allan Hancock College student population numbers are represented below. With nearly 70% of students being Hispanic we should be able to improve the numbers in the fire academy as well as fire technology programs. This will require more targeted marketing of all fire-based programs.

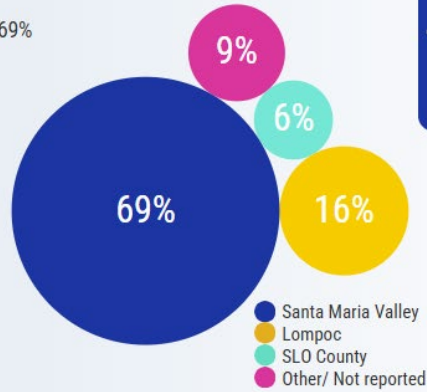
Who are our students?



Ethnicity Fall 2023

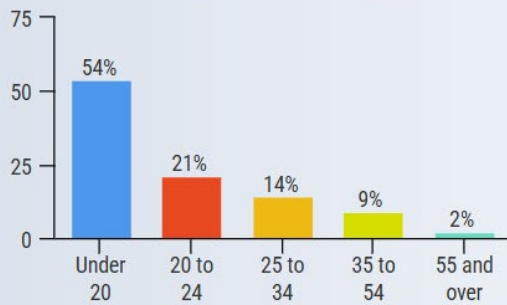


Location

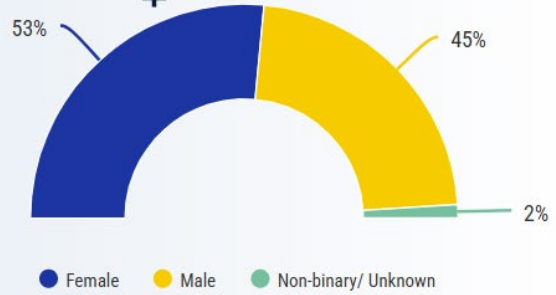


- These percentages are based on headcount for the fall 2023 term
- DSPS stands for Disabled Student Programs and Services
- Santa Maria Valley includes surrounding areas like Orcutt and Guadalupe

Age Fall 2023



Gender Fall 2023



3. What are your plans for change or *innovation*?

The current effort to change and innovate is to improve outcomes with female participation in our Fire Academy and Fire Technology programs. After about a year and a half of effort the first Women's Fire Camp will be provided on August 3, 2024. This program aims at providing an exposure to the fire service through a one-day program for girls and women ages 15-23.



WOMEN'S FIRE CAMP

Allan Hancock College Public Safety Training Center
1 Hancock Drive, Lompoc CA 93436

AUGUST 3, 2024 | 9 a.m. - 5 p.m.

The Allan Hancock College Fire Technology Department invites women and girls between the ages of 15-23 to attend the Women's Fire Camp event. This is a one day challenging and rewarding opportunity to be exposed to the Fire Service career. The camp aims to develop confidence and character through exciting team building exercises and hands on training. Camp participants will experience the following events:

FIRE SERVICE BASED FITNESS

HOSE HANDLING

FORCIBLE ENTRY & TOOLS

GROUND LADDERS & AERIALS

SEARCH AND RESCUE

ROPE RESCUE

ATTIRE: Camp participants will need to wear sweatpants, athletic shoes, t-shirt (Camp T-Shirt provided @ check-in), hair pulled back or in a bun.

LOGISTICS: Water, snacks, and lunch will be provided

JOB FAIR: The camp will conclude with a Job Fair sponsored by local area fire departments.

REGISTER: Register to attend by visiting the following link hancockcollege.edu/pathways/public-services/wfc.php or use the QR Code. Applications can be dropped off at the AHC PSTC front office or emailed to: justice.miller@hancockcollege.edu.



www.hancockcollege.edu



4. How will you *measure* the results of your plans to determine if they are successful?

The measure of the success of this effort will be gauged by enrollment numbers after the camp. Our intention is to provide two Women's Fire Camp programs a year if the interest is there. We will be targeting high schools, women's sports teams, and the main college student population.

Validation for Program Planning Process: If you have chosen to do the Validation this year, please explain your process and the findings.

1. Who have you identified to validate your findings?
 - a. The Fire Technology Advisory Committee’s will be working with AHC Faculty to verify results and guide the effort forward.
 - b. This document will be shared with Advisory Committee members for feedback and discussion.


2. Are there specific recommendations regarding the core topic responses from the validation team?
 - a. The core recommendations from the validation team or in the case of Fire Technology our Advisory Committees have been shared previously in this document. We feel confident that we are addressing all recommendations.

Based on the narratives for the prompts above, what are some program planning initiatives and resources needed for the upcoming years? Use the tables below to fill in **NEW** resources and planning initiatives. ***This section is only used if there are new planning initiatives and resources requested that pertain to the Core Topic only.***

New Program Planning Initiative (Objective) – Core Topic Only							
Title (including number):	<i>Women’s Fire Camp</i>						
Planning years:	<i>Continuous</i>						
Description:							
<p><i>The Allan Hancock College Fire Technology Department invites women and girls between the ages of 15-23 to attend the Women’s Fire Camp event. This is a one day challenging and rewarding opportunity to be exposed to the Fire Service career. The camp aims to develop confidence and character through exciting team building exercises and hands on training. Camp participants will experience the following events:</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><i>Fire Service Based Fitness</i></td> <td style="width: 33%;"><i>Hose Handling</i></td> <td style="width: 33%;"><i>Forcible Entry & Tools</i></td> </tr> <tr> <td><i>Ground Ladders & Aerials</i></td> <td><i>Search and Rescue</i></td> <td><i>Rope Rescue</i></td> </tr> </table>		<i>Fire Service Based Fitness</i>	<i>Hose Handling</i>	<i>Forcible Entry & Tools</i>	<i>Ground Ladders & Aerials</i>	<i>Search and Rescue</i>	<i>Rope Rescue</i>
<i>Fire Service Based Fitness</i>	<i>Hose Handling</i>	<i>Forcible Entry & Tools</i>					
<i>Ground Ladders & Aerials</i>	<i>Search and Rescue</i>	<i>Rope Rescue</i>					
<p>What college plans are associated with this Objective? (Please select from the list below):</p> <p> <input type="checkbox"/> Ed Master Plan <input type="checkbox"/> Student Equity Plan <input type="checkbox"/> Guided Pathways <input type="checkbox"/> AB 705 <input type="checkbox"/> Technology Plan <input type="checkbox"/> Facilities Plan <input type="checkbox"/> Strong Workforce <input type="checkbox"/> Equal Employment Opp. <input type="checkbox"/> Title V </p>							

New Program Planning Initiative (Objective) – Core Topic Only	
Title (including number):	<i>Regional Truck Operations Academy</i>
Planning years:	<i>Fall 24-Spring 25</i>
Description:	
<i>This effort is being undertaken at the direction of the Fire Technology Advisory Committee made up of local area Fire Chief's and their designees. There is a need for formalized training to be established in Truck Company Operations. After several meetings to discuss the request a 40-hour Truck Academy was the recommended outcome. Faculty has started to develop the Cadre and curriculum to support the request. All requested support for this effort will also benefit the Fire Academy program.</i>	
What college plans are associated with this Objective? (Please select from the list below):	
<input type="checkbox"/> Ed Master Plan <input type="checkbox"/> Student Equity Plan <input type="checkbox"/> Guided Pathways <input type="checkbox"/> AB 705/1705 <input type="checkbox"/> Technology Plan <input type="checkbox"/> Facilities Plan <input type="checkbox"/> Strong Workforce <input type="checkbox"/> Equal Employment Opp. <input type="checkbox"/> Title V	


Program Review Signature Page:



Program Review Lead

May 25, 2024

Date



Program Dean

Date



Vice President, Academic Affairs

Date









2023-2024 Fire Tech Prog Rev Ed & Ind Prtnshps J. Ceceña S2024

Final Audit Report

2024-06-17

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