



UCDAVIS

FIRE DEPARTMENT

Annual Report
2016-2017

**THIS PAGE HAS BEEN LEFT
INTENTIONALLY BLANK**

MESSAGE FROM THE CHIEF.....	1
OUR MISSION, VISION, AND VALUES.....	1
SUPPORTING A VISION OF EXCELLENCE.....	2
UCDFD BY THE NUMBERS.....	3
BUILDING A MORE INCLUSIVE FIRE SERVICE ON CAMPUS AND BEYOND	4
RECOGNIZING OUTSTANDING EMPLOYEES.....	5
A NEW PROGRAM HELPING TO PREPARE THE NEXT GENERATION OF HEALTHCARE PROVIDERS	6
EMT PROGRAM GRADS GET EXCLUSIVE HANDS-ON EXPERIENCE.....	6
PREHOSPITAL CARE AND MEDICAL TRAINING ELEVATED	7
CARING FOR OUR FURRY FRIENDS DURING EMERGENCIES	7
BUILDING A COMMUNITY OF EVERY DAY HEROES.....	8
LOOKING FORWARD	8

MESSAGE FROM THE CHIEF

UC Davis Community Members:

In 2017 we ushered in the 100th year of the UC Davis Fire Department (UCDFD). The fire service and the campus, have changed a great deal in that time, but one thing that remains a constant is our desire to serve our shared community to the best of our abilities.

We are committed to providing outstanding care and delivering exceptional service every single day. As an all-risk, all-hazard emergency services organization we continually strive to be prepared for the threats to our community's health and safety. I am proud to say that your UC Davis Firefighters, Student Firefighters, and Student EMTs, are ready to answer any call with the kind of professionalism, compassion and care that make our fire department one of kind.



UC Davis Fire Chief Nathan Trauernicht

OUR MISSION, VISION, AND VALUES

Our Vision

Is to be a model organization through innovative delivery of emergency and wellness services.

Our Mission

The mission of the University of California, Davis Fire Department is to protect and enhance the safety and well-being of our community with pride and excellence.

We Value

As members of the University of California, Davis Fire Department we are dedicated to the following values:

Dedication to honesty and fairness, as essential to the trust of our community and customers

Innovation in our culture and services, while respecting our deep and valued traditions

Leadership that promotes professionalism, exceptional service, a positive work environment, and job satisfaction

Service beyond expectations; we will be identified by the pride and professionalism exhibited in all that we do

Respect as the pillar of cooperation, understanding, and the basis of customer service; we value ourselves, each other, and our community

Integrity reflected in our honest and ethical behavior

SUPPORTING A VISION OF EXCELLENCE

UC Davis is recognized as one of the nation's top-tier public research universities. As such, the UC Davis Fire Department provides dedicated, selfless service to reduce the impacts of emergencies on instruction and research. Our commitment to students, faculty, staff, and visitors is evident in the comprehensive variety of programs and services we deliver.

Following the highest standards in life safety, our organization delivers all-hazard emergency response to the campus and neighboring communities, including response to medical emergencies, fires, hazardous materials releases, and natural disasters.

We engage in strategic interactions with students, faculty and staff in order to mitigate risk, prevent injuries, and help the community prepare for emergencies. Part of this strategy lies in providing public education through a number of events and services including: Fire Day on the Quad, Picnic Day, "Sidewalk CPR" lessons at the Student Health and Wellness Fair, safety talks in the dorms, as well as station tours for campus Child Development Centers and summer camps.

Our nationally-recognized Student Resident Firefighter Program weaves our organization into the fabric of the University. Since its founding in 1955, the program teaches firefighting skills to a select group of qualified students who live and work at the campus fire station, Station 34, while pursuing their four-year degrees. Student firefighters receive hands-on training and professional experience in all aspects of fire and emergency services. Participation improves the students' career opportunities upon graduation, should they choose to continue in the profession.

The UC Davis Fire Department is the lead agency for Yolo County's Multi-Agency Hazardous Materials Response Team whose role is to mitigate the immediate threat of exposure from the release of biological, chemical, or nuclear agents. By participating in this cooperative effort, the cost of response is shared, allowing the University and all residents of the county to receive the highest quality service at a reasonable cost. With our institution's many research and educational laboratories, this program is essential to the well-being of the campus community and the protection of its critical infrastructure.



UCDFD BY THE NUMBERS

The UC Davis Fire Department was established in 1917 by the dean of the College of Agriculture to mitigate fires on the University Farm, today the UC Davis Fire Department responds to a wide array of calls for service, including: technical rescue, medical emergencies, hazardous material releases, and of course, fires.

Fires no longer dominate our calls for service, and other call types have increased as the University has expanded its population and use of campus space for research and academic pursuits. The Fire Department has responded by realigning resources to meet the University's changing demands.

A look at our annual calls by type indicates that over 50 percent of our calls are medical in nature. As such, our firefighters spend a commensurate amount of time training on medical-related continuing education, hands-on exercises, and skills testing.

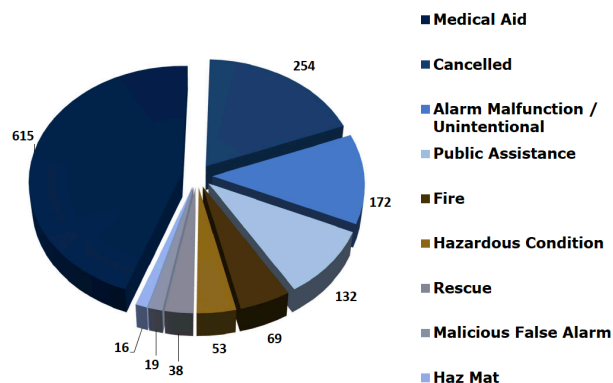


Figure 1 - Depiction of annual calls for service (2016-2017) by general call type.

While fires and hazardous materials calls make up a significantly smaller proportion of our call volume, these types of incidents are considered low frequency but high risk, and thus make up the bulk of remaining training time.

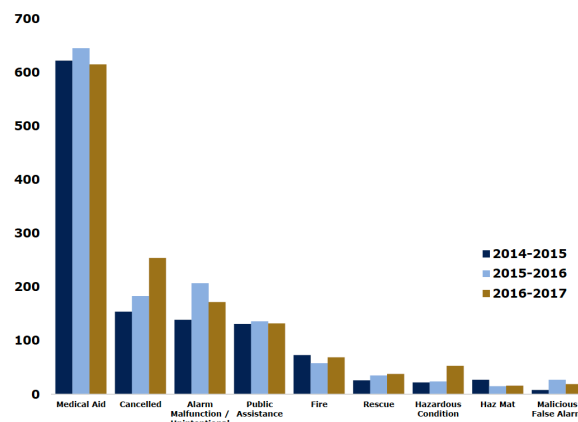


Figure 2 - Graph depicting number of incidents by general call type over the last three years.

As the campus population continues to grow, it is

likely that we will continue to see an increased need for fire-related services throughout the campus community. Through collaboration, outreach, education, and awareness, the UC Davis Fire Department hopes to continue the steady reduction in avoidable calls for service, while remaining ever ready for campus emergency incidents.

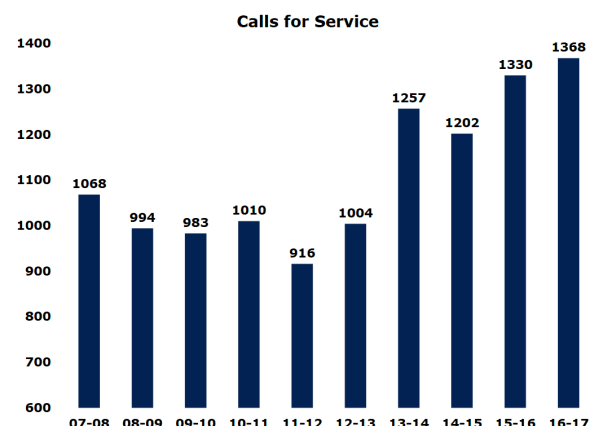


Figure 3 - Chart depicting overall call volume, by year, for the last ten years.

BUILDING A MORE INCLUSIVE FIRE SERVICE ON CAMPUS AND BEYOND



UC Davis Fire Chief Nathan Trauernicht, with his co-lead Fire Chief John Butler, and the first cohort of IAFC Diversity Executive Leadership Fellows.

In early 2017 UC Davis Fire Chief Nathan Trauernicht and Howard County, Maryland Fire Chief John Butler were tapped to develop, and co-lead, International Association of Fire Chiefs (IAFC) Diversity Executive Leadership Program (iDELDP)

This new program has been designed to support individuals from underrepresented groups and those interested in creating a diverse workforce to advance into the ranks of leadership in the IAFC and fire and emergency service leadership at a national level. IAFC iDELDP Fellows participate in a leadership program of education, mentoring, and volunteer service in the IAFC and fire service community.

This is a two-year program that brings together 10-15 fellows to focus on the challenges that leaders in the fire service face as they relate to inclusiveness and diversity, and the impacts they have on the fire and

emergency service, particularly the IAFC and its members.

The goal of the program is to establish a cohort of participants that represents diversity across the fire service. It will then give the Fellows an opportunity to learn from each other, develop solutions to current and emerging issues, and to share those solutions with the IAFC community, all while enhancing themselves as leaders and ambassadors of the IAFC.

Further, the fellows will be expected to advise and make recommendations to the IAFC Human Relations Committee, IAFC leadership and Board of Directors on leadership issues surrounding inclusiveness and diversity.

Lastly, the program will strive to prepare the fellows to seek out leadership positions within the IAFC and other national level organizations.

RECOGNIZING OUTSTANDING EMPLOYEES

FIREFIGHTER OF THE YEAR

Paul Rush joined UCDFD in 2011. He has consistently taken on many types of initiatives and worked tirelessly to make the department a better place. His projects included building a playground structure for the campus preschool, redesigning/fabricating a storage system for our personal protective equipment (PPE) room and implementing an employee exposure reporting system. He also designed and remodeled our dining room area. Paul is dedicated to the fire craft and is always training, drilling, and discussing tactics with his crews.

Engineer Rush has a strong firefighting skillset and understands the importance of a hard day's work on the drill-ground. He is universally respected within the department.

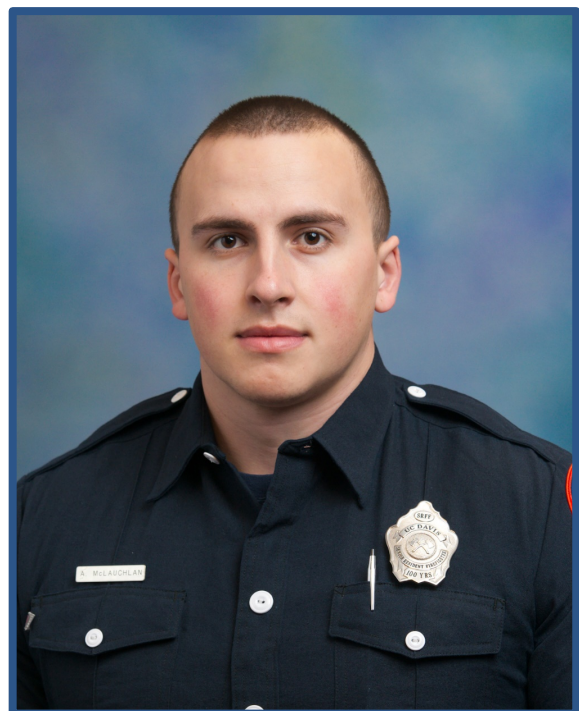


Fire Engineer Paul Rush, UC Davis Fire Department's 2017 Firefighter of the Year.

STUDENT FIREFIGHTER OF THE YEAR

Andrew McLauchlan has been a student firefighter since 2014 and has been a consistent contributor to our program since being hired. He is a dedicated, hard worker and always has a smile on his face.

Recently, Andrew was a crucial part of organizing and implementing our 2016 resident firefighter academy. He helped with planning and creating curriculum as well as teaching many topics and helping the recruits succeed in a difficult and challenging academy.



Student Firefighter Andrew McLauchlan, UC Davis Fire Department's 2017 Student Firefighter of the Year.

A NEW PROGRAM HELPING TO PREPARE THE NEXT GENERATION OF HEALTHCARE PROVIDERS

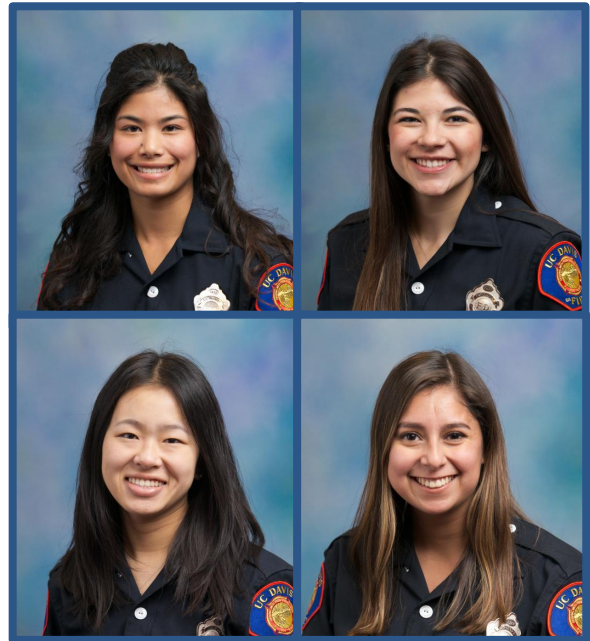
The UC Davis Fire Department has provided Emergency Medical Technician (EMT) event standby services for nearly two decades at every type of campus activity imaginable; from sports to concerts.

New in 2016, the UC Davis Fire Department Student EMT program fills a long-standing need related to challenges in filling spots for planned campus events that require EMT coverage. It also creates an important development opportunity for UC Davis students that could mirror the success of our Student Firefighter Program.

Student EMTs assist in providing emergency medical care involving students, staff and guests of the UC Davis Campus. They work closely with other emergency personnel to stabilize and prepare patients for transport to hospitals best equipped to treat them.

In addition, they attend public relations events, perform blood pressure screenings,

pass out promotional documents, and provide a positive and professional image that promotes the mission of the fire department and emergency medical services.



Our Student EMT program provides exposure to the fire service for those who may have not considered it a career option.

EMT Program Grads Get Exclusive Hands-On Experience

Our partnership with the Los Rios Community College District to provide EMT certification training now offers a rare opportunity for those preparing for careers in medical fields to gain real world experience.



UC Davis Student EMTs ride-along in Metro Fire Ambulances to practice providing medical care in a high call volume setting.

Through a collaboration with the Sacramento Metropolitan Fire District we launched the PMED 106 class. PMED 106 is a work experience program hosted by Los Rios Community College but facilitated and coordinated by UCDFD and is geared toward providing the best and brightest graduates of our EMT certification program with hands-on learning through riding with Sac Metro Fire's ambulances, some of the busiest in Northern California.

During the course, students further their knowledge when it comes to differentiating between acutely and chronically ill patients, understanding all the factors that contribute to an appropriate diagnosis, and assist paramedics and other advanced life support providers during patient care.

Prehospital Care and Medical Training Elevated

UCDFD has always been proud of our forward-looking stance on emerging trends in our industry. As emergency medical services (EMS) constitute more and more of our call volume, it has translated into a greater focus into EMS resources.



Firefighter/Pre-Hospital Care Coordinator Scott Hatcher

To meet growing demands, the department was able to assign Firefighter Scott

Hatcher to serve as our Pre-Hospital Care Coordinator.

In this new role, Scott oversees the EMS programs, the Student EMT program, American Heart Association (AHA) CPR programs and serves as a liaison to the Yolo County EMS Agency and to Los Rios Community College in support of our educational partnerships with both.

Caring for our Furry Friends During Emergencies



UC Davis Firefighters learn to safely and carefully load a horse into a trailer for transport.

Throughout 2017 UC Davis Firefighters participated in training organized by the UC Davis School of Veterinary Medicine in conjunction with the Department of Animal Science as part of a wider initiative to enhance campus response to hazardous incidents involving animals.

Our firefighters received training in livestock and equine behavior, hazards involved with incidents involving large animals and ways to minimize risk to themselves and the public. They also carried out practical scenarios where they learned how to apply theory in an operational context.

This training allows our firefighters to support the resolution of incidents involving loose or compromised large animals which may include the following: Farm and equestrian establishment fires, transportation fires and collisions, entrapments and loose animals.



Through animal rescue and handling training our firefighters have learned how to safely approach, move, and take care of animals in all shapes and sizes. Firefighter Corrie Beall holds a baby pig.

This emerging partnership with the world-renowned UC Davis School of Veterinary Medicine is providing a safer campus for our students and a life-saving service to our “furry friends”.

BUILDING A COMMUNITY OF EVERY DAY HEROES

More than 350,000 out-of-hospital cardiac arrests occur in the United States each year distinguishing it as a leading cause of death for Americans.

A cardiac arrest is an electrical malfunction in the heart causing an irregular heartbeat and disrupting the flow of blood to the brain, lungs and other organs.

In 2017 UCDFD became the American Heart Association (AHA) Regional Training Center serving much of the greater Sacramento area. This service enhancement means we will provide certification for HeartSaver, HeartSaver AED, First Aid, and Basic Life Support (BLS)



Healthcare provider classes to students, staff, and other fire departments across the area.

When a person has a cardiac arrest, survival depends on immediate CPR from someone nearby. Almost 90 percent of people who suffer out-of-hospital cardiac arrests die. CPR, especially if performed in the first few minutes of cardiac arrest, can double or triple a person's chance of survival.

It is our department's goal to have as many members of our community trained to save a life as possible because we know that 70 percent of out-of-hospital cardiac arrests happen in homes.

Unfortunately, only about 46% of people who experience an out-of-hospital cardiac arrest get the immediate help that they need before professional help arrives.

LOOKING FORWARD

In the coming year the UC Davis Fire Department looks forward to building partnerships that promote wellness in our community, deploying resources to better meet the changing needs of the campus and plotting a path into the future with the most comprehensive planning process we have undertaken to date.

We are grateful for the opportunity to serve and welcome you to contact us any time to find out more about what UCDFD can do for you.

