



# **UCDAVIS**

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## **FIRE DEPARTMENT**

Annual Report  
2013-2014

# MESSAGE FROM THE CHIEF

2013-2014 was a year of hard work and collaboration for the UC Davis Fire Department. In September, a boundary drop with the City of Davis Fire Department cleared the way to improve service to both communities through closest unit dispatching. As campus and city populations both increase, our ability to best serve those requesting service has improved through quicker, more globally strategic, deployment of resources.

January 1, 2014 marked the start date for shared fire management between the City of Davis and UC Davis Fire Departments. Under this collaborative agreement all chief officers work together to manage both agencies and look to find efficiencies in process and service delivery where possible.

We continue to formalize regional partnerships with fire departments throughout Yolo County to strengthen the West Valley Regional Fire Training Consortium, which delivers in-demand training from California's most sought-after instructors. This Consortium increased the frequency of multi-agency exercises, standardizing practices and formalizing inter-agency partnerships.

It has been a very busy time here at UC Davis Fire, but we look forward to many exciting new initiatives on the horizon and, as always, we thank you for the opportunity to serve!



Fire Chief Nathan Trauernicht

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## 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 and part of the UC Davis Community, 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 exceptional service; we value ourselves, each other, and our community;

**Integrity** reflected in our honest and ethical behavior.

# SUPPORTING A VISION OF EXCELLENCE

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**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 and staff 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 community interactions with students, faculty and staff to reduce risk, prevent injuries, and help prepare for emergencies. Providing outreach through a number of annual events such as Fire Day on the Quad and Picnic Day are examples of the ways we work to mitigate risks through public education.
- ◆ Our nationally-recognized Student Resident Firefighter Program weaves our organization into the fabric of the University. The program teaches firefighting skills to a select group of qualified students who live and work at the campus fire station 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.
- ◆ UC Davis is the lead agency for Yolo County's Multi-Agency Hazardous Materials Response Team whose role is to eliminate 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.



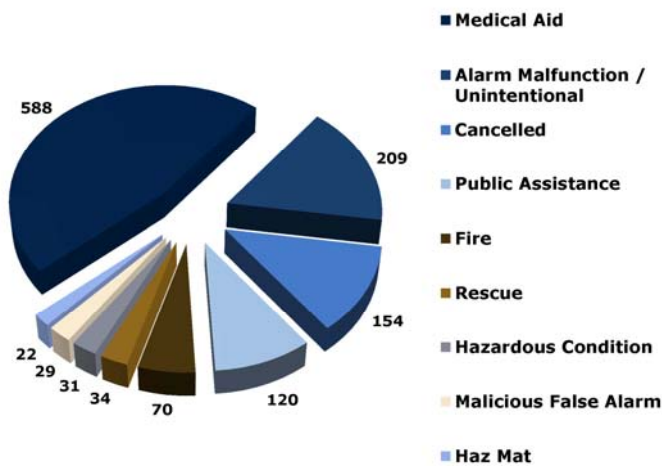
UC Davis firefighters perform a standard truck evolution outside the UC Davis School of Education

# UCDFD BY THE NUMBERS

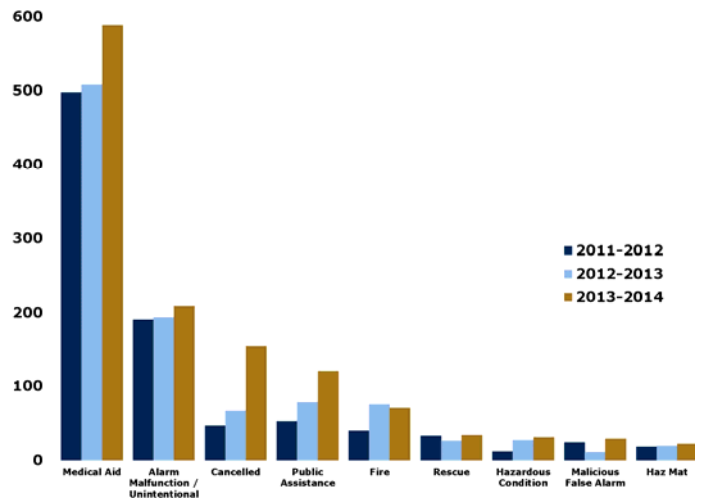
The UC Davis Fire Department, established in 1917, has witnessed nearly a century of changing trends in the fire service. Originally established by the dean of the College of Agriculture to mitigate fires on the University Farm, today the UC Davis Fire Department responds to a wide array of calls for 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 community 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 needs.

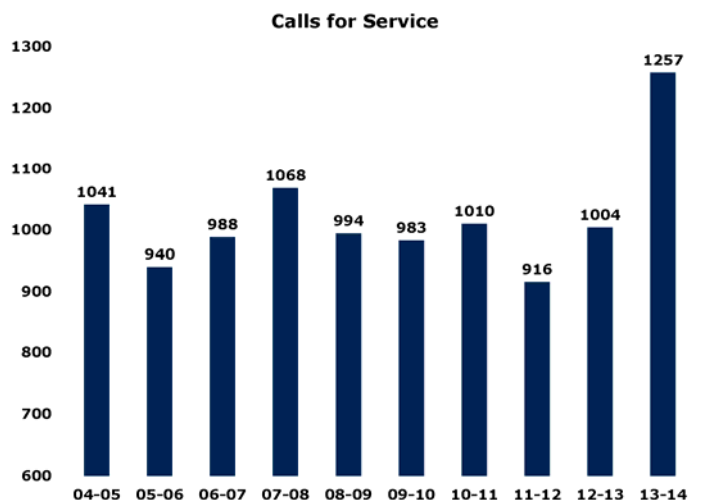
A look at our annual calls by type indicates that almost 50 percent of our calls are medical in nature. As such, our firefighters spend a commensurate amount of time training on medical-related continuing education, hands-on exercises, and skills testing.



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.



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.

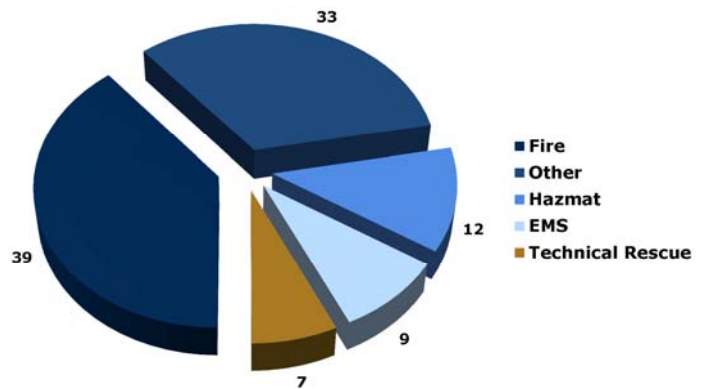


# TARGET SOLUTIONS

Target Solutions is a powerful online training management system, which allows fire service employees to train using dynamic online courses and innovative technology applications. The goal of Target Solutions is to achieve total firefighter training compliance as well as track employee training records while reducing costs and increasing efficiency.

The West Valley Regional Fire Training Consortium uses Target Solutions to assign 6-week blocks of training to its members including UCDFD, Davis Fire Department, Woodland Fire Department, and West Sacramento Fire Department. These blocks, which are strategically planned throughout the year, help ensure that our firefighters are compliant with regulations from several state and federal agencies, including ICS and the Occupational Health and Safety Administration. This means that shift captains and battalion chiefs can keep the department on track, and guarantee the safest and highest quality service possible.

This decentralized training system allows firefighters to provide better service to citizens because it keeps different fire companies available in their respective districts. From January 1 through June 26, 4015 hours of training were recorded on Target Solutions. 826 of those hours were from courses Target Solutions provided. A breakdown of the hours trained is shown on the right.



## STAFF PROMOTIONS

This year the UC Davis Fire Department had the opportunity to promote two of our personnel.

Engineer Cesilio Mercado was promoted to Captain after serving the department since 1999, when he was accepted into the Student Resident Firefighter Program. Hired as a career firefighter in 2002, Captain Mercado now leads the academy for the SRF program, and is very well suited to lead his company as one of two C Shift captains.

Firefighter Tait Nilsson was promoted to Fire Engineer this year, following a competitive promotional process. Engineer Nilsson came to the UC Davis Fire Department in 2010, following 6 years with the City of Reno (Nevada) Fire Department, and is now responsible for overseeing the forms and radio programs on behalf of our department.



Newly promoted Captain Cesilio Mercado and Engineer Tait Nilsson.

# OUR COMMITMENT TO HEALTH & WELLNESS



Firefighters train on good body mechanics with certified instructors, reducing on-the-job injuries.

## Firefighter Fitness Program

The goal of the new UC Davis Firefighter Fitness Program is to enhance the overall health, strength, and wellbeing of our firefighters. The fitness program was created in accordance with the 2012-2020 UCDFD Strategic Plan's Line of Business #1: Employee Safety and Wellness. This line of business recognizes the hazards and risks inherent in firefighting and sets forth a proactive approach to ensure the safety and health of the members of our department. The implementation of the Firefighter Fitness Program also fulfills our goal of maintaining a fitness/wellness program that meets national standards.

This program provides the added benefit of reducing work related injuries by keeping our firefighters in top shape. Twice a month, each shift goes to the Activities and Recreation Center for a 1.5 hour personal training session. The workouts start with stretching, followed by 20-30 minutes of group lifting. For the last hour, the firefighters go through circuit training that incorporates both strength and stamina workouts essential to the physical demands of the job. Over time the workouts build in intensity to increase fitness levels and build strength in key job-related areas. These supervised workouts help firefighters recognize their areas for growth, and learn proper technique. By doing so, they can apply many of the skills learned to the lifting and motions they do every day.

## Fit for Fire

Starting Winter 2012, the UC Davis Fire Department partnered with the Fitness and Wellness division of Campus Recreation and Unions to create "Fit for Fire," a nine-week outdoor boot camp class designed to get participants on par with firefighter fitness. This small instructor-led group class takes place at Station 34 and is taught by two personal trainers and firefighters. Fit for Fire focuses on full body strength training, cardiovascular endurance, and building the speed, agility and quickness required to be a firefighter. The firefighters incorporate functional exercises such as forcing open doors, pulling hoses, and dummy drags.

Fit for Fire is a fun, new way to work out, and is available to all UC Davis students, faculty, staff, and others with an ARC membership. The class promotes building a healthy community as outlined in the Department's mission, while also serving as a resource to better prepare aspiring firefighter candidates.

Fit for Fire is also a component of the department's outreach to the community. The class welcomes the community to the Department's location on campus, and exposes participants to the physically demanding situations our firefighters encounter. The class is designed to get anyone in shape, whether they want to be a firefighter or just be healthier.



Fit For Fire class participants pose for a picture on the last day of class

## OUR NEW TRAINING CHIEF



**Mike Taylor**  
Deputy Fire Chief -  
Training and Safety

Serving in the fire service for more than 19 years, Michael Taylor has a diverse background that includes positions ranging from Firefighter to Deputy Fire Chief for a variety of fire departments of varying sizes.

Currently a Deputy Chief for the UC Davis and City of Davis Fire Departments, Chief Taylor provides general administration and oversight of the department's training programs in partnership with the West Valley Regional Fire Training Consortium (WVRFTC).

Chief Taylor earned his Bachelors degree in Social Sciences from Chico State University with a primary focus in Public Administration and a secondary focus in Community Health. Beyond his formal education he is highly certified by the California State Fire Marshal's Office Training Division.

He is currently pursuing designation as a Chief Fire Officer (CFO) through the Center for Public Safety Excellence.

Michael is a nationally recognized instructor on the topics of Fire Ground Operation as part of the No One Left Behind training group.

Chief Taylor was also instrumental in the foundation, implementation, and success of the West Valley Regional Fire Training Consortium. The Consortium is a partnership between the UC Davis, City of Davis, City of West Sacramento, and City of Woodland Fire Departments to provide outstanding all risk training to the member agencies from a centralized training division. Chief Taylor was the Consortium's first training captain and made significant contributions to its success.

## STUDENT

## ADMINISTRATIVE STAFF

The Administration Division of the UC Davis Fire Department is responsible for the business and support functions of the organization, including accreditation management, business office coordination, data analysis, and technology support. The Administration Division includes two student fire administrative support assistants, who have an interest in the fire service, marketing, medical, or hospitality fields. Employment of these administrative support assistants provides UC Davis students with the opportunity to work directly with UC Davis Fire Department staff, and experience first-hand how a fire department is run. The duties of the administrative support assistants include:

- Data entry and support of the West Valley Regional Fire Training Consortium and Yolo County Office of Emergency Services (OES)
- Assisting in development of special projects, presentations, and events for public education and outreach
- Participating in special events with the fire department, conducting community outreach and education
- Assisting in maintaining the department's social media and website



# STUDENT RESIDENT FIREFIGHTER ACADEMY



Every two years, the UC Davis Fire Department hosts a fire academy, open only to UC Davis students, in which over 300 applicants compete for a spot. The top 25 fire candidates learn firefighting skills and compete for the limited spots in the UC Davis Student Resident Firefighter Program. This program, founded in 1949, is one of only two similar programs on college campuses in the United States.

The program requires a commitment from the students not normally associated with college life, but provides them with structure and work experience. The experience and values gained as a Student Resident Firefighter (SRFF) helps foster future careers as firefighters. A great many of our students have moved on to various

emergency service careers. The UC Davis Fire Department is extremely proud of the Student Resident Firefighters and the program itself.



Recruits practice hazmat decontamination in the six-week SRFF Academy

This year, the academy was held from June 23 to July 18. As per tradition, the recruits chose a name for their academy class – this year they called themselves the *Crazy 8's*. The 2014 academy had 25 participants; 13 of which made the final cut and will move on to receive further training and live in individual dorm rooms at Station 34 this coming academic year.

The academy is made possible in large part by its coordinator, Captain Cess Mercado, who plans the academy, organizes training exercises and testing, and teaches many of the topics. UC Davis Fire Department's career firefighters, student firefighters, and SRFF alumni also lend a helping hand in teaching, supervising, and demonstrating.

In the academy, Student Firefighter Recruits learn knot tying, inventory of UCDFD apparatus, hose loads and deployment, how to use SCBA, ground and roof ladder deployment, how to connect to hydrants, search and rescue, basic hazmat procedures, forcible entry, principles and techniques of firefighter survival, and more. Recruits are also timed on how fast they can put on their personal protective equipment (PPE) and SCBA (self-contained breathing apparatus), and are put through intense physical exercises.



A Student Resident Firefighter Recruit looks on as a fellow recruit practices throwing ladders



# WEST VALLEY REGIONAL FIRE TRAINING CONSORTIUM



Founded in 2012, the West Valley Regional Fire Training Consortium's (WVRFTC) mission is to provide standardized training, and coordination to prepare for regional emergencies. The Consortium is currently led by Deputy Chief Mike Taylor, and serves the UC Davis Fire Department, City of Davis Fire Department, West Sacramento Fire Department, and the Woodland Fire Department.

The WVRFTC has been a venue for Yolo County fire departments to create a training program that will develop the most effective response to community emergencies. Since its inception, there has been noticeable growth in the efficiency of response coverage, as well as continuity of county operations.

The WVRFTC has successfully coordinated multi-agency drills, monthly regional training, and provided state fire officer certified classes at reduced cost. The Consortium also facilitated a free speaker series in which established professionals in the fire service spoke about their careers, allowing future leaders in the industry to learn from their experiences.

This year, Target Solutions, an online record keeping system, has continued to develop the

tracking efficiency of completed training by each member of the Consortium. Using this program, shift supervisors receive routine updates automatically charting the progress and deficiencies of those they oversee. The Consortium is now generating money through South Bay Regional Fire Academy through training hour tracking, which allows WVRFTC to relieve each partnering agency of their current Target Solutions annual cost.

The WVRFTC has also partnered with South Bay Regional Fire to provide funding assistance for upcoming training, and also with the Yolo County Office of Emergency Services (OES) to train city and county employees to work in Emergency Operation Centers (EOCs) and other disaster response. West Valley plans to collaborate with OES to deliver specific training in logistics, finance, and more. The advisory committee for the Consortium accomplished all the goals that were set for the 2013-2014 fiscal year.

In the future, the WVRFTC plans to continue the evolution of a cohesive training program. It has many plans to enhance its records and management system, and standardize departmental training opportunities.



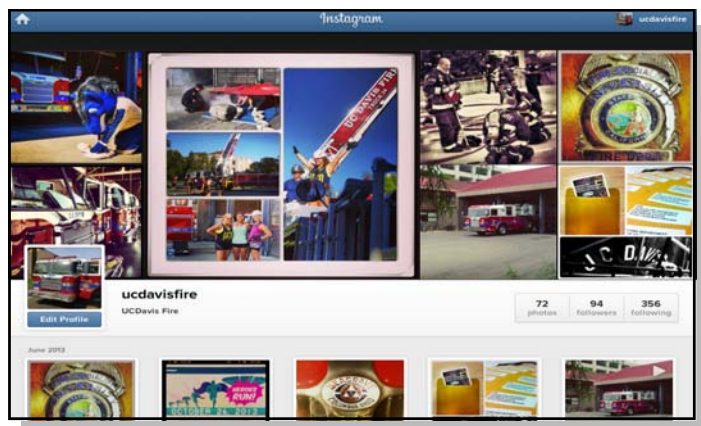
Consortium members training at the West Sacramento training structure

# SOCIAL MEDIA

Through the use of social media, the UC Davis Fire Department is able to better communicate with the campus and greater community, while also providing insight to the day to day happenings of the fire service. The UC Davis Fire Department social media offers a unique perspective into the life and inner workings of an active fire department. The department has been using Facebook and Twitter to promote upcoming events, send out safety messages, and create awareness.



Facebook serves as a popular community forum.



Instagram provides insight into events and breaking news.

On the recently redesigned UC Davis Fire Department website, visitors can find information they need regarding our organization, as well as sign up for the wide variety of services we provide beyond emergency response, including:

- Request Sidewalk CPR Training
- Event EMT Services
- Schedule a Fire Station Tour
- Schedule a Fire Department Guest Speaker
- Request an Automatic External Defibrillator (AED) for Your Building
- Request an Incident Report
- Fire Prevention Services

Our customers may also find and complete a customer survey upon receiving any one of our services, which helps the department ensure that we are performing at the levels of excellence defined in our organization's vision, mission, and values.

This year YouTube and Instagram were implemented as additional tools for outreach to our community. YouTube has been a wonderful tool for the department to share with community members important messages, such as how to properly perform compression-only CPR. Instagram has been an effective way of showcasing the department and illuminating what personnel do on a daily basis.

## Follow UCDFD Social Media:

Facebook: [facebook.com/UCDFD](https://facebook.com/UCDFD)

Twitter: [@UCDavisFire](https://twitter.com/UCDavisFire)

Instagram: [UCDavisfire](https://www.instagram.com/ucdavisfire)

YouTube: [UCDavis Fire](https://www.youtube.com/UCDavisFire)



Our website provides a way to request non-urgent services.

# OUTREACH AND INTERACTION

The UC Davis Fire Department strives to ensure that our community has the ability to interact with us as often as possible. Through community-centered initiatives and new interactive opportunities, our department is now more accessible than ever to the campus community.

## THANK GOODNESS FOR STAFF

This May, the UC Davis Fire Department joined UC Davis Staff Assembly in celebrating the annual Thank Goodness for Staff (TGFS) spring event. This event allows UC Davis staff to interact with one another and show support for one another. The event is attended by nearly 5,000 staff members, and vendors from many Davis businesses and non-profit organizations set up tents and interact with the community.

To show our support and gratitude for the community we serve, the UC Davis Fire Department set up a tent and conducted community outreach and interaction, giving away customized padfolios, ceramic mugs, and reusable shopping bags with the department logo.



B Shift provides reusable bags and CPR training at TGFS 2014

## FIRE DAY ON THE QUAD

On October 4, 2013, the UC Davis Fire Department hosted our annual Fire Day on the Quad. Intended to provide outreach to campus community, Fire Day on the Quad gives participants a look into the fire service by putting on demonstrations that vary from year to year. This year, the Student Resident Firefighters did a vehicle extrication, in which they went through the process of cutting open an old car to demonstrate rescue techniques. This process was narrated by Deputy Chief John Heilmann.



Firefighters and spectators gather as CALSTAR prepares for takeoff.

During the event, a CALSTAR helicopter landed on the Quad, after which the pilot and flight nurses taught spectators about emergency medical air operations. Other demonstrations included fire hose spraying, and allowing the public to try on firefighter turnouts. The Yolo County Health Department was also in attendance, and set up a table to provide influenza vaccines for students and faculty. UC Davis Fire Student Administrative Assistants and Street Team members also sold shirts for our Seeing Pink fundraiser.

## UCDFD STREET TEAM

The Street Team is a group of UC Davis students who function in a volunteer capacity with the department to aid in outreach, interaction, and education activities directed towards the campus community. The purpose of the Street Team is to provide a conduit for interaction between the fire department and those we serve with the ultimate goal of reducing barriers to communication.

The Street Team provides an alternative to traditional fire department outreach using specially trained community members to reach targeted demographic groups. Members of the team are educated in our organization's mission, vision, and values, and are knowledgeable about our programs and services.

Members of the team engage community members and encourage their participation in events and programs, such as the Health and Wellness Fair, Fire Day on the Quad, Farmers Market, and Pancake Breakfast in which they help promote the department's goal to keep the community safe and healthy.



Street Team members practicing their Sidewalk CPR skills

## FIREFIGHTER OF THE YEAR



FFOTY recipients, Gina Updegraff and Kevin Fritz, pose with Chief Trauernicht

This year Engineer Gina Updegraff and Student Resident Firefighter (SRFF) Kevin Fritz were honored as UCDFD Firefighters of the Year. These two department members were nominated for their outstanding effort and dedication. Updegraff has been in the fire service since 1993 and became an Engineer at the UC Davis Fire Department in 2002. Kevin Fritz became a member of the Student Resident Firefighter Program at UC Davis in 2012, and graduated from UC Davis in June 2014. Fritz went through the Student Resident Firefighter recruitment process which includes a rigorous physical abilities test, an intensive interview process, and a firefighting academy. Fritz believes this program helped shaped his career and he is very excited for the future of the SRFF Program. He plans to be a professional firefighter in Northern California. Updegraff and Fritz were honored with this award because of their passion and drive for the fire service.

The dedication and commitment these department members have shown to UCDFD is truly outstanding. We congratulate and thank them for all their efforts. It's valuable team members like the two that make our department successful.



## FRESHMAN ORIENTATION

Beginning in July 2013, Fire Chief Nathan Trauernicht welcomes each new class of UC Davis students at Freshman Orientation. Chief Trauernicht warns the freshmen of one of our most common emergency calls – “Code Redenbacher.” Apparently the art of microwaving popcorn is not perfected before entering college, and the smoke alarms in the dorms are not forgiving. Aside from his jokes, Chief Trauernicht

educates the students on the serious dangers and responsibilities that come with being a college student. He discusses alcohol poisoning, cooking safety, bike safety, and general safety habits for living in the dorms.

Chief also gives a brief explanation of department functions, composition, our role on campus, and the services that we offer. During his presentation, he encourages the audience members to follow UCDFD on all of our social media outlets. Social media gives students easy access to our services, and keeps them familiar with all the hard work that is accomplished at Station 34.

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## PICNIC DAY

This year marked UC Davis’s 100<sup>th</sup> annual Picnic Day, in which the entire campus put on an open house, and celebrated the community. UC Davis Fire Department’s Truck 34 participated in the Picnic Day parade, and held an open house at the station.

The apparatus bay at Station 34 was full of curious patrons who learned about the fire service and interacting with career firefighters. The fire department gave away 500 “UCDFire” water bottles, and had a hydration station set up to keep attendees well hydrated. Around noon, a CALSTAR helicopter landed on the lawn in front of Station 34 and welcomed spectators to look in and learn about the helicopter and emergency medical air operations.

At the open house, children were welcomed to sit in Truck 34, Engine 34 and our antique Seagrave engine. Student Resident Firefighters also handed out hundreds of balloons, hats, and t-shirts, and Sparky (our department’s fire safety mascot) made an appearance and posed for pictures with patrons.



SRFF Kevin Fritz gives balloons to one of the many community members that stopped by the station this year.

## UCDFD EMT PROGRAM

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The UC Davis Fire Department has reached out to the greater community by providing opportunities to gain the skills for rewarding careers in the health industry on campus. The UC Davis Fire Department is now offering a seven-week EMT Program for UCD students and the public. The course is organized by UCD Firefighter Scott Hatcher and taught by local paramedics, EMTs and firefighters. It gives the community the opportunity to become an Emergency Medical Technician at an affordable price on campus at the UCD Fire station.

The course consists of 75 classroom hours and 75 lab hours, which is hands-on learning and practice. Additionally, students are required to attend an internship through a local ambulance transport agency, providing first-hand observation of patient care.



UCDFD EMT Students practice splinting a forearm injury

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Upon completion of the EMT course, students will receive their EMT-Basic certificate, and be eligible to test to become a Nationally Registered EMT (NREMT).

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## ACCREDITATION

The UC Davis Fire Department has been working tirelessly on becoming accredited by the Commission on Fire Accreditation International. Founded in 2006, CFAI was created in an effort to help fire and emergency service departments from around the world thrive under new pressures. With the expectation to “do more with less,” CFAI has created a comprehensive self-assessment and evaluation model that enables fire and emergency service organizations. CFAI helps determine community risk and safety needs, evaluates department performance, and establishes a method for department improvement. Over the past seven years CFAI has accredited 171 departments across the world. Departments who become accredited have access to important tools for long and short term planning, budgeting, as well as guidance from experts in the field on organizational and professional excellence.

The UCDFD is currently going through the self-assessment process and hopes to be completely accredited by the spring of 2015. This will enable the department to continuously thrive and achieve our goal of providing unparalleled service to our community.



**Commission on  
Fire Accreditation  
International**

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# GIVING BACK

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C Shift personnel represented the department at Fire Day on the Quad

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## Seeing Pink—October 2013

In past years, our employees have donned pink UCDFD t-shirts for the month of October to participate in National Breast Cancer Awareness Month.

This year, the shirts were grey and had a new design, which incorporated a fire hose nozzle into the breast cancer ribbon logo. They were available for sale to the public as a fundraiser, through Ink Monkey's website. UC Davis Fire Department members also sold shirts at several events, including Fire Day on the Quad. A portion of each sale is donated to benefit women's breast cancer research.



This year's St. Baldrick's shavees after the shaving event

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## St. Baldrick's—March 2014

For the third year, the UC Davis Fire Department participated in the St. Baldrick's fundraiser. The St. Baldrick's Foundation works closely with the UC Davis Children's Hospital in Sacramento, and was established to "put an end to childhood cancers."

For this fundraiser, members of the department agreed to shave their heads in solidarity, in return for donations made to St. Baldrick's. This year, the UC Davis Fire Department raised \$4,181, bringing the department total for the last three years to nearly \$14,000. On March 14, we held a shave-a-thon in which seven of our department members had their heads shaved. Giselle Valk from *Avante Garde* salon in Davis volunteered her time to shave participants' heads. Ajay Hira, Owner of *Yogurtland*, a local frozen yogurt shop, also dropped by with frozen treats for shavees and event attendees.



## Pancake Breakfast—April 2014



This year, the Student Resident Firefighters of the UC Davis Fire Department hosted their 10<sup>th</sup> annual All-You-Can-Eat Pancake Breakfast. The breakfast, held in the apparatus bay of Station 34, is a philanthropic event that has become one of the most popular on campus. Patrons this year were supplied with all-you-can-eat pancakes, along with bottomless sausage, eggs, donuts, fruit, orange juice, and coffee. The Student Resident Firefighters worked hard to involve the community and gathered donations from campus organizations including UC Davis Dining Services, UC Davis Meat Lab, UC Davis Conference and Event Services, and UC Davis Coffee House, as well as local businesses such as Whole Foods, Peet's Coffee, Nugget Markets, and Safeway. This year, approximately 300 people attended, which raised \$1,950 to benefit the Firefighters Burn Institute (FFBI). The FFBI was integral in the establishment of the Burn Center at the UC Davis Medical Center, and continues to provide educational and recovery programming for burn survivors.

## Pedaling For a Cause— May 2014



Station 34 once again hosted a rest stop for the NorCal AIDS Cycle, a four-day, 330 mile bike ride to raise funds and awareness for HIV/AIDS services in the Sacramento Valley region. In its 10th year, participants raised over \$230,000 in funds that were recently distributed to ten organizations that provide health care and social services, testing, prevention and education, and support services to individuals and families alike who are affected by HIV/AIDS. With recent reductions in HIV/AIDS funding, it is community-based efforts such as these that allow many of these programs to keep their doors open.

Originally proposed as a rest stop by Fire Captain Shawn Cullen, a longtime cyclist in the ride, NCAC has returned annually to Station 34 and has expanded its participation of Fire Department personnel to include firefighters and administration. Our participants join colleagues from across the UC Davis community to share our support and represent UC Davis' commitment to public service and caring.





The UC Davis Fire Department provides unparalleled protection for our students. As a University-dedicated fire

department, we provide students and their families peace of mind that their safety is our greatest priority. UCDFD crews provide regular fire and life safety talks and demonstrations to student groups at the fire station and out in the campus community during our public education and outreach events, including Safety Day on the Quad and Picnic Day.



- We serve the student community academically by providing subject matter expertise and research support for classes and thesis projects.



Firefighter Schultz teaching a student about the different types of smoke detection systems.

## PROTECTING STUDENTS

- One of the most unique features of the UC Davis Fire Department is our Student Resident Firefighter program.
- Started in 1955, this program teaches firefighting skills to a select group of students who live and work at Fire Station 34.
- The UC Davis Fire Department maintains 15 Student Resident Firefighters who, once selected, become working members of the UC Davis Fire Department.
- Required to staff one 24 hour shift, four 14 hour shifts, and two training sessions per month in



Student Resident Firefighter Gilik and Firefighter Dubs teach students how to perform compression-only CPR at the Silo Farmers

exchange for housing at Station 34, additional compensation is provided when the students respond to emergency calls while not on duty.

- The Student Resident Firefighters are expected to represent the University and the Department while on duty, and have the distinction of being a part of one of only two such programs in the United States.

## CREATING A SAFE ENVIRONMENT TO LEARN

**UC** DAVIS Fire Department firefighters are uniquely suited to respond to the many different challenges that a large, world-class educational research institution may face, and are focused on safeguarding the life's work and innovation of our researchers.



The UC Davis Fire Department holds regular training exercises to ensure responder readiness for hazardous emergencies to minimize disruption to the campus community.

Our commitment to students, faculty and staff is evident in the comprehensive variety of programs and services we deliver:

- Our fire department leadership is keenly aware of the university's research mission, and have incorporated it into all facets of our operations.
- UC Davis' Hazardous Materials Response Team is highly trained and in a constant state of readiness to eliminate the immediate threat of exposure from the release of biological, chemical or



Firefighters train with BSL 3 lab personnel to ensure appropriate care of occupants, while safeguarding our environment from contamination.

## SAFEGUARDING RESEARCH

nuclear agents.

- UCDFD personnel have received specialized training in support of a safe research environment, including electric vehicle battery safety, magnetic resonance training, and biosafety lab (BSL) procedures.
- Fire Department personnel hold regular fire drills for research facilities, and assist in evacuation



UCDFD personnel discuss emergency response coordination with professors and laboratory staff.

planning.

- Our personnel practice information and hardware preservation techniques to minimize disruption of research and education, and are often the first to respond to your emergency.



UC Davis firefighters assist grad students Matt Jones and Kyle Gaiser with a hydropower engineering project. The students needed a consistently high level of water pressure.

## SUPPORTING THE RESEARCH MISSION

**UC** DAVIS strives to support faculty and staff through Worklife and Wellness programming, which enables staff to be successful at work, school and home. At the UC Davis Fire Department, we are committed to providing you a safe workplace, fire and life safety education, and events that reach out to faculty, staff and their families.



Managed by the Fire Department, the campus' Public Access AED Program facilitates the installation of Automated External Defibrillators (AEDs) in strategic locations throughout the campus community. CPR and AED training is offered to staff at no cost through Staff Development, which uses an AED trainer identical to the model deployed across campus.

Our commitment to UC Davis faculty and staff is evident in the comprehensive variety of programs and services we deliver:

- The campus' Public Access AED program is managed by Fire Department administration, and is intended to deploy these life-saving devices across campus, including remote work sites like the Primate Center, Hopkins Service Center, and athletic facilities like the ARC and the campus pools.
- UCDFD personnel work closely with UC Davis Staff Development to support opportunities for staff to gain life safety training, like CPR.
- The UC Davis Fire Department participates in numerous annual events that provide outreach and safety education to UC Davis staff and their families. We host tours at the fire station, and provide opportunities for visitors to inquire about their role in fire safety.

## SUPPORTING FACULTY & STAFF



The UC Davis Fire Department welcomes you and your family to join us at one of our public events. We provide education to adults and children alike, on subjects like emergency evacuation and fire safety.

- In 2013, UC Davis saw the deployment of a lifesaving smart phone application entitled PulsePoint. The PulsePoint app empowers citizens to provide life-saving assistance to victims of sudden cardiac arrest (SCA). Users are notified if someone nearby is having a cardiac emergency and that may require bystander CPR. The app also directs citizen responders to the location of the closest AED.



The UC Davis Fire Department promotes public education on fire safety throughout the year. Events attended include Picnic Day, Safety Day on the Quad, Thank Goodness for Staff (TGFS), and Take Your Daughters and Sons to Work Day (TODS), as seen above.

## PROTECTING UC DAVIS' GREATEST ASSET: YOU

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# APPARATUS

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Truck 34 is a Pierce Tiller with a 100 foot aerial ladder. It has a shorter and more narrow wheel base than the previous Truck 34, which allows for better access to tighter locations and crowded roadways. Truck 34 is also lighter than its predecessor, allowing for better handling and shorter stopping distances.



Truck 34

In 2011, the department purchased a new chassis and refurbished its existing Hazardous Materials unit, HazMat 34.

The rebuild of HazMat 34 has made it a more efficient tool for the least frequent but most challenging events. Along with a more powerful engine, HazMat 34 is also more fuel efficient. Its cab is elongated, allowing for all of the passengers to ride in the same compartment. The rear of the cab is equipped with two computer stations and a library of reference materials, allowing for hazardous material categorization while seat belted during response to an incident.



HazMat 34

Although the entire front end of HazMat 34 was rebuilt, the box remains original. Storage space has

been increased by moving the command center into the cab of the apparatus. The top of HazMat 34 was modified, allowing the storage of equipment in compartments, to protect it from the elements and to streamline its appearance. A large scene light has been added to the roof of the vehicle, allowing for more efficient and safer night or low-light operations.



CalEMA 364

Both Truck 34 and HazMat 34 adhere to today's strict emissions standards, trapping much of their particulate matter and regenerating it into a more environmentally friendly exhaust product. Both apparatus are equipped with the best of current safety standards.

In addition to Truck 34 and HazMat 34, the UC Davis Fire Department has three engines. While Engine 234 is our reserve, Engine 34 is one of our two first-out apparatus, and responds to calls daily. Additionally, through an agreement with the California Emergency Management Agency (CalEMA), we house an EMA engine for response. In return for its use on campus, the UC Davis Fire Department agrees to staff the engine and respond to statewide calls for assistance from CalEMA.



Engine 34

# SHARED MANAGEMENT AGREEMENT

January 1, 2014 the City and the University entered into a Shared Fire Management Agreement that shares one fire chief, two deputy chiefs and three division chiefs, who collectively oversee the management and operations of both fire departments.

While the two entities technically operate separately, as this is not a full merger of the two departments, city and campus leaders believe this shared-management structure will ensure that the two operations work collaboratively to provide optimal fire service to both communities.



The agreement comes on the heels of a boundary drop in September between the two departments which allows the closest available resource to a call for help to respond regardless of geographical area. This has provided a significant increase in the level of service to both communities.

## IAFC VIDEO

The UC Davis Fire Department was chosen to be highlighted at Fire Rescue International (FRI) for its Fit For Fire small group fitness class and for its nationally recognized Student Resident Firefighter program.

FRI is the premiere conference for the International Association of Fire Chiefs and each year only a handful of departments are selected to

showcase industry leading programs that highlight innovation in the field of fire and emergency services. Along with capturing the excitement surrounding these two UCDFD initiatives, the video, which was shown throughout the conference and is now featured on the IAFC website, showed how we are redefining the way a fire department interacts with its community.

# INTERNATIONAL ASSOCIATION OF FIRE CHIEFS: CHIEF'S EDGE PROGRAM HOSTED AT UC DAVIS

The International Association of Fire Chiefs formed a program called Chief's Edge, which aims at helping fire chiefs better the effectiveness of their leadership skills and departments overall. UC Davis hosted a class in early 2014 deemed so successful, the IAFC requested we host another before the end of the year.

“Collaboration is a cornerstone of the Chief's Edge program and is an integral part of the executive education experience. This intense two-day seminar takes a fresh look at leadership principles, fosters extensive peer-to-peer interaction, and provides the practical skills needed to become a more effective leader.”



Participants from across the western US met at UC Davis for this engaging program taught by industry leaders.

By attending the program, participants focused on the following:

- Establish an invaluable network of peers
- Learn proven leadership techniques for success
- Discover valuable and practical real-world knowledge
- Develop new skills that enable you to lead strategically
- Improve your ability to navigate challenging situations



## LOOKING FORWARD...

In the coming year, UC Davis Fire Department plans on updating its strategic plan, completing the process to prepare for international accreditation, revising our standard of cover document, and so much more!

We are proud to serve the community and we never forget what we, and our profession, symbolize to those we serve.

