



# USAFA

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Mr. Carlos Cruz-Gonzalez  
Director of Installations



Col Gregory Seely  
Permanent Professor and  
Head of the Department  
of Civil and Environmental  
Engineering



Lt Col Patrick J. Carley  
10 CES Commander

## MISSION

The essential and enduring mission of the U.S. Air Force Academy is "To educate, train and inspire men and women to become officers of character motivated to lead the United States Air Force in service to our nation." The Officer Development System provides all members of the Academy constituency a framework and set of strategies to accomplish this mission. Within the ODS the Academy executes a single integrated course of instruction in which cadets receive an accredited bachelor of science degree and an intensive program of physical education and develop enduring leadership competencies through military development.

## CE RESPONSIBILITIES

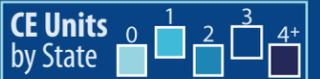
USAFA Civil engineers develop future leaders through instruction, mentoring and through the provision of world-class infrastructure and facilities. The Department of Civil and Environmental Engineering has responsibility for two accredited majors: Civil and Environmental Engineering. Graduates receive civil or environmental engineering bachelors of science degrees and go on to meet mission needs as pilots or engineers. The Directorate of Installations prioritizes, advocates and coordinates reach back support for USAFA facility requirements. The 10th Civil Engineer Squadron provides emergency services and operates, sustains, and modernizes infrastructure and facilities on USAFA.

## SIGNIFICANT ACCOMPLISHMENTS

- Graduated 76 cadets in Class of 2013: 68 civil engineering, seven environmental engineering and one dual civil/environmental engineering majors; 36 will enter Civil Engineering career field and 40 other career fields.
- Completed 20th offering of CE 351 at the Field Engineering and Readiness Lab, or FERL; under guidance of 70 active duty, Guard and Reserve mentors and 13 senior cadets, 62 students (53 USAFA, five West Point and four Naval Academy) constructed two Navajo homes for the Southwest Indian Foundation.
- Deployed seven military firefighters to Afghanistan, Kyrgyzstan and Jordan to support downrange COCOM mission and one civilian to Afghanistan on a one-year tasking to support drawdown.
- Hosted 12 airshow-equivalent events including the National Character and Leadership Symposium, Cadet Graduation, USAFA Falcons home football games and numerous other NCAA events, Parents' Weekend, and the Fall CORONA conference.

- Converted turf to xeriscape and reduced potable water consumption by more than 36%.
- Implemented Defense Connect Online XMPP Desktop Client and improved USAFA's Disaster Response Force's ability to communicate critical incident information.
- Updated fire alarm systems in more than 20 buildings; reviewed plans for more than 25 building system upgrades.
- Hosted a Fire Officer Academy; 47 personnel from USAFA took part in the training.
- Provided support for the Black Forest Fire with 35 firefighters working with local, state and federal fire organizations over a three-day period; USAFA fire crews were responsible for saving more than 100 buildings, including two schools and 60 homes.
- Completed construction of \$6.7M, 8,531-square foot permanent large vehicle inspection station (FY12 MILCON).
- Completed \$4.1M, seventh-phase renovation of Mitchell Hall, adding warehouse space to service level, repairing vestibules and updating mechanical, electrical, plumbing, and life, health and safety systems.
- Completed \$1.95M repair of Community Center Drive with 13,000 feet of asphalt, curb and gutter; striping; and potable water line.
- Completed \$0.73M repair of Pine Drive; 9.5K feet of asphalt, curb and gutter and striping.
- Completed \$14.2M final phase of Vandenberg Hall renovation; repairs included courtyards, stairwells, handrails, mechanical/electrical/plumbing systems and life, health and safety systems.
- Completed \$7.14M fourth-phase and \$7.10M fifth-phase renovation of the Cadet Gymnasium, including lower level locker rooms, intramural spaces, mechanical/electrical/plumbing systems and life, health and safety systems deficiency upgrades.
- DFCE Faculty published two papers and three conference posters and made two presentations.

## CE Units in Command



**Superintendent (CC)** Lt Gen Michelle D. Johnson

**Director of Installations (A7)**

**Dean of the Faculty (DF)**  
Brig Gen Andrew P. Armacost

**Head, Dept. of Civil & Environmental Engineering (DFCE)**

**10 ABW Commander (CC)**  
Col Stacey T. Hawkins  
**10 MSG Commander (CC)**  
Col Martin K. Schlacter  
**10 CES Commander (CC)**

**Resources (CER)**

**Operations (CEO)**

**Readiness (CEX)**

**Engineering (CEC)**

**Programs (CEP)**

**Asset Management (CEA)**

**Fire & Emergency Services (CEF)**

## 2013 Statistics

Major Bases	1
Plant Replacement Value	\$9.1B
Buildings	6.7M sq. ft.
Airfield Pavement	5.32K sq. yd.
Housing	671 units (100% privatized)
Dorms	2,458 rooms

### Command Personnel

Active Duty	1,792
Civilian	1,582
Cadet	4,000
Prep School	182
Contractor	1,582

### CE Personnel

#### HQ USAFA/A7

Active Duty	0
Civilian	3
Contractor	0

#### HQ USAFA/DFCE

Active Duty	19
Reserve	3
Civilian	7

#### 10 CES

Active Duty	28
Civilian	92
Contractor	559

MILCON	2 project (\$34.18M)
S/R&M	134 projects (\$67M)
Facilities Operation	\$28.2M