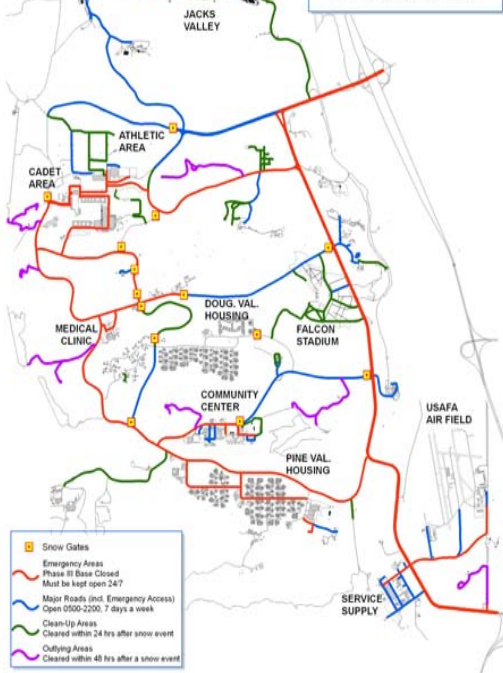


## USAF Academy Snow Routes



### STAYING ALIVE IN YOUR CAR

IF STRANDED IN YOUR VEHICLE, SIT TIGHT, DON'T MOVE, STAY WITH YOUR VEHICLE

#### Check for Injuries and Treat:

1. Move all survival equipment from trunk to passenger compartment.
  2. Inventory all equipment.
  3. Tie a signal flag to your antenna.
  4. \*Utilize all available clothing, maps, carpeting, paper, seat covers, etc. to help keep yourself warm.
  5. Run engine: 5 min each 30 min, or 10 min each 60 min.
  6. Clear obstructions from the end of cars exhaust pipe (mud or snow).
  7. Run engine to coincide with radio news broadcast.
  8. Light a candle or heating fuel such as Sterno in a safe container like a coffee can or glass jar as an emergency heat and light source. Ensure adequate ventilation.
  9. \*If the car or exhaust system is completely covered with snow **DO NOT** run the engine as CARBON MONOXIDE will pool under the car and seep into passenger compartment. CARBON MONOXIDE is a colorless, odorless, tasteless gas, known as "The Silent Killer". It is produced by burning material containing carbon (gasoline). Symptoms of poisoning are fatigue, headaches, nausea., Will cause brain damage and could result in serious injury or death.
  10. If the car is covered with snow, cut a ventilation hole. Check ventilation hole each hour.
  11. If you are tired, ensure adequate ventilation, then go to sleep.
  12. **DO NOT** fall asleep with the engine running.
  13. \*Melt snow for drinking water. **DO NOT eat snow.** Melt it first.
  14. Prepare to survive for a minimum of 48 hours.
  15. Eat available foods to help produce heat.
  16. Keep a journal.
  17. CONSERVE STRENGTH.
  18. GO THROUGH THIS LIST ONCE EACH HOUR.
- (\* Most Important)

### Notification Statements / Actions For Personnel During Hazardous Weather Conditions

#### I. Decision for Early Release:

"EARLY RELEASE FOR NON-MISSION ESSENTIAL PERSONNEL WILL BE AT \* \_\_\_\_\_HRS."  
 - Classes continue as originally scheduled unless canceled by the DF, CW, AD.  
 - Close Community Center activities including BX, Commissary, and Service Station at \* \_\_\_\_\_ hrs. (Doors close at \* \_\_\_\_\_ hrs and employees can depart when released by their supervisors).  
 - Child Development and Youth Center begin to close, however, appropriate essential caregivers must remain until last child is picked up by parent/guardian.

#### II. Decision for Late Reporting:

"LATE REPORTING, is in effect. NON-MISSION ESSENTIAL PERSONNEL WILL REPORT TO THEIR DUTY SECTION AT \* \_\_\_\_\_HRS, NOT EARLIER THAN \* \_\_\_\_\_HRS."  
 - Classes will begin at \* \_\_\_\_\_hrs vs. \* \_\_\_\_\_hrs.  
 - DF, CW, AD reporting instructions will be modified so instructors and dining facility staff will report at proper times to meet mission needs.  
 - BX, Commissary, and Service Station will open at \* \_\_\_\_\_hrs.  
 - Child Development Center will open at normal time to accommodate mission essential personnel.

#### III. Decision for Base Closure:

"THE ACADEMY IS CLOSED FOR NORMAL OPERATIONS. ONLY MISSION ESSENTIAL PERSONNEL REPORT TO DUTY SECTIONS."  
 - Classes are canceled.  
 - The Community Center is closed.  
 (\* = All hours tied to early release / late reporting times).

### WHAT TO DO WHEN TRAPPED OUTDOORS

1. **DON'T PANIC** - Build a fire, Sit Down, Stay Calm, THINK
2. **MAINTAIN YOUR BODY TEMPERATURE.**  
Add layers of clothing, eat heat-producing foods (carbohydrates), find or build a shelter that will protect you from the rain and wind. Drink warm liquids.
3. **USE THE FIRE** to dry clothing, heat water, signal, and help maintain your morale.
4. **PREVENT DEHYDRATION** - Drink water (3-4 quarts per day).
5. **DON'T EAT SNOW!** Melt it first.
6. **PREVENT HYPOTHERMIA** - Watch out for cold/wet/windy conditions that cause massive heat loss.
7. **DO NOT TRAVEL** - Stay put and wait for rescue forces to find you.
8. **SIGNAL** - Use signal mirror, whistle, or flares to attract attention to yourself.
9. **DO NOT GIVE UP HOPE** - Rescuers WILL FIND YOU!

### Radio and Television Stations Giving Hazardous Weather Announcements by USAFA/PA.

#### FM STATIONS

KBIQ 102.7  
 KCCY 96.9  
 KILO 94.3  
 KKCS 101.9  
 KKFM 98.1  
 KAFA 97.7

#### AM STATIONS

KOA 850  
 KRDO 1240  
 KVOR 740  
 KKCS 1460

#### TV STATIONS / COLORADO SPRINGS

KOAA Ch 5/30 NBC  
 KKTV Ch 11 CBS  
 KRDO Ch 13 ABC

#### TV STATIONS / DENVER

KCNC Ch 4 CBS  
 KMGH Ch 7 ABC  
 KUSA Ch 9 NBC

#### COMMAND CENTER AUTOMATED NOTIFICATION SYSTEM 333-6249

#### ACADEMY ROAD CONDITIONS 333-2800

REFERENCE USAFA PLAN 32-1002

<http://www.usafa.edu/10abw/10msg/ce/ceol>  
<http://www.usafa.edu/tu/306ftg/oss/weather/sevenday.cfm>

### VEHICLE SURVIVAL KIT (Mandatory Survival Items)

1. Blankets (wool preferred) or sleeping bags.
2. Heat source (candle, sterno, non-propane backpacker stove).
3. Matches and lighter.
4. Food - high carbohydrates, candy bars, raisins, dried fruit, peanut butter, peanuts, etc.
5. Extra clothing - wool gloves, hat, coat, pants, scarf.
6. Flashlight - with extra batteries.
7. Large plastic garbage bags.
8. Red or Orange material for antenna signal.
9. Coffee can for all small items and to melt snow for water.

### VEHICLE EQUIPMENT

Sunglasses	Personal Medications	Shovel (entrenching tool)
Tool Kit	Brightly Colored Tarp	Reflective Triangles
Ice Scraper	Tire Chains that fit	Carbon Monoxide Detector
Tow Strap	Come-Along Winch	Sand or Gravel for traction
Jumper Cables	Emergency Road Flares	

Keep This in Your Car and/or Wallet at All Times

## UNITED STATES AIR FORCE ACADEMY

# SNOW ROUTES & WINTER SURVIVAL



USAFA VA 32-1, Oct 09 Supersedes Nov 07

Per USAFA Plan 32-1002

OPR: 10CES/CEO

Releasability: There are no releasability restrictions on this publication.

Wind Speed (mph)		Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
50	45																		
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13
-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6
-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2
-28	-27	-26	-25	-24	-23	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9
-36	-34	-33	-32	-31	-30	-29	-28	-27	-26	-25	-24	-23	-22	-21	-20	-19	-18	-17	-16
-43	-42	-41	-40	-39	-38	-37	-36	-35	-34	-33	-32	-31	-30	-29	-28	-27	-26	-25	-24
-50	-49	-48	-47	-46	-45	-44	-43	-42	-41	-40	-39	-38	-37	-36	-35	-34	-33	-32	-31
-58	-56	-55	-54	-53	-52	-51	-50	-49	-48	-47	-46	-45	-44	-43	-42	-41	-40	-39	-38
-65	-64	-62	-61	-60	-59	-58	-57	-56	-55	-54	-53	-52	-51	-50	-49	-48	-47	-46	-45
-72	-71	-69	-68	-67	-66	-65	-64	-63	-62	-61	-60	-59	-58	-57	-56	-55	-54	-53	-52
-80	-78	-76	-75	-74	-73	-72	-71	-70	-69	-68	-67	-66	-65	-64	-63	-62	-61	-60	-59
-87	-86	-84	-83	-82	-81	-80	-79	-78	-77	-76	-75	-74	-73	-72	-71	-70	-69	-68	-67
-95	-93	-91	-90	-89	-88	-87	-86	-85	-84	-83	-82	-81	-80	-79	-78	-77	-76	-75	-74

Temperature (°F)

Use this chart for winds from 5 foot anemometer height (handheld)

New Wind Chill in Fahrenheit and MPH



