

## NCEM Mountain SAR Class Packing List

### Essential Equipment List

Climbing Harness

6 - Aluminum Locking Carabiners

4 - 6mm diameter prusik cords (various lengths)

Long cordellette (10 meters of 7mm cord)

1" Tubular webbing (20--25 feet)

Back pack, approximately 2000 cubic inches / 35 liters and Pack cover

Map (of area of operations) laminated or protected (site specific will be distributed during class)

Compass w/ adj declination

GPS (that you know how to use) / extra batteries (one per team of 8)

Knife (small and light)

Multi--tool (leatherman, etc)

Whistle --plastic pealess

Waterproof note pad, pen and pencil (small)

Fire starters / metal match / waterproof matches / butane lighterTinder / cotton balls / fire starter sticks

Emergency candle

Duct tape (10 feet)

Tarp / poncho -- heavy duty

Space blanket

550 cord (parachute cord) 50 feet

42 gallon at least 2 mil

2 One gallon Zip lock bags

Sunscreen SPF 30 min

Lip Balm SPF 30 min

Headlamp with extra batteries (Your PRIMARY light!)

Back up light source with extra batteries

Signal mirror (may be part of compass)

Insulating pad (foam)

Bright colored flagging tape

Digital camera (one per team of 8)

Radio and harness to carry it / extra battery for radio

Extra high energy food (2000 calories), quick to get to, eat, no cooking, (above mission requirements)

Waterbags / thermos for hot drinks

1st Aid Kit: (Recommended Kit, adjust based on medical needs, Carrier pouch for all this stuff)

4 4X4 dressing

2 4X7 dressing

2 triangular bandages

2 Kling roll bandages (2 or 3 inches wide)

Moleskin, large piece

Waterproof tape roll

Band-aids (asst.)

EMT shears Latex

gloves Tweezers

Sam Splint

2 tongue depressors

4 large safety pins

CPR mask / micro shield

Bio--hazard bag

Advil / Tylenol / aspirin

Any special medicine specific to YOU...in case you don't get home in 24 hours

**Clothes:**

Base layer, top and bottom (wicking, synthetic, **non---cotton** underwear) (appropriate for the season)  
Middle Layer...fleece / wool / synthetic loft insulating jacket  
External waterproof (goretex) shell  
External waterproof pants / shell  
Fleece or windstopper hat / or balaclava  
EXTRA hat (winter only)  
Working Gloves (appropriate for the season)  
EXTRA pair of insulating gloves or mittens  
Chemical Hand warmers (2 or 3 pairs)  
Gaiters  
Boots (may be leather, but should be treated or waterproofed, stiffer soles better) (appropriate for the season and terrain)  
Synthetic mountaineering socks (2 pair minimum)  
Synthetic Sock liners (2 pair)  
Eye Protection (ski goggles if winter)  
Trekking poles / ski poles  
Hard hat / helmet with 4 point suspension

**Recommended Items (not required)**

1 - ATC belay device (guide type recommended)  
Ascending system (Ascenders / purcells / something that is tested and works)  
Small fuel stove (like Jetboil), that actually works & you know how to use it.  
Metal pot to boil water / melt snow (if not a Jet boil)  
Water purification (at least one per team)  
Hand saw (that can cut significant size branches and small logs) 1 per team

**In Go Bag and prepared for Extended Ops:** (required for overnight operations)

The Go Bag is used to carry supplemental or situational gear. Pack contents may be modified or supplemented based on weather, mission profile, or team composition.

- Small, lightweight, quick---deploy shelter (small tent, bivy, boffe bag)
- Sleep system (compact sleeping bag, pack quilt, etc.)
- Food – trail food and hot meals
- Stove and Fuel (on per 2 ppl)
- Extra Clothes
- Batteries

**Winter Class Items:**

Small shovel (snow shovel, avalanche shovel, etc) metal blade – no trenching tools  
Snow shoes REQUIRED for advanced class  
Traction devices for boots (yak trax, crampons, etc) REQUIRED for advanced class  
Avalanche probe / old tent pole  
Alpine axe (REQUIRED for advanced class...will have a few extras to loan)

**Recommended Reading/Text:** Mountaineering, Freedom of the Hills, Chapters 2---6, 10, 22 & 23 Technical Rescue Riggers Guide ---Conterra