

Southern Utah Backpacking and Canyoneering Equipment List

Weather in the mountains and canyons of Utah can be volatile. Clothing systems need to be capable of meeting the demands of an ever-changing environment. A layering system, which allows articles of clothing to be added or subtracted as the weather changes, has proven most versatile. The clothing items listed below will work together to provide appropriate insulation in the most demanding conditions. Because it can snow or rain, materials used in clothing should keep you warm even if they are wet. Synthetics such as polypropylene, Capilene, Synchronilla, fleece, and pile are best, wool will also work. Cotton, with the exception of a t-shirt for the sun, is unacceptable. It is a good idea to test out your gear before you arrive in Utah.

Upper Body Layers

Upper body layers are some of the most important components of a good layering system. They should be comfortable, lightweight and breathable. Cotton is unacceptable, except for a sun shirt while hiking on warm days.

Equipment	Quantity	<input checked="" type="checkbox"/>	Comments	Rental
Base Layers	2		One silk weight and one heavy weight top made of synthetic material that can be layered together to increase warmth. A light-colored silk weight (white/tan/light blue, etc.) is a good idea because it will decrease the amount of solar radiation (warmth) that your shirt absorbs. Conversely, your mid-weight base-layers should be darker so that they do absorb the sun's warmth. Mountain Hardware makes good lightweight, wicking base layers.	-
Tee Shirt	1		To be worn as a sun shirt while hiking at lower elevations. Synthetic fabric is the way to go, and can double as a bandana or extra sun protection under a baseball cap.	-
Medium Weight Top	1		To be worn over the base layers and should be synthetic or wool (a soft shell is an acceptable substitute). Both Black Diamond and Mountain Hardware offer great mid-weight layers.	-
Heavy Weight Top	1		To be worn over the base layers and medium weight top and should be synthetic or wool. Both Black Diamond and Mountain Hardware make nice thick layers.	-
Outer Wear	1		A jacket made of waterproof / breathable material such as Gore-Tex is vital for keeping you warm and dry. It needs to fit over all layers. Mountain Hardware shells are breathable, dry, and windproof.	-

Lower Body Layers

Lower body layers should be versatile and easy to change into and out of under changing weather conditions.

Equipment	Quantity	<input checked="" type="checkbox"/>	Comments	Rental
Base Layers	2		One silk weight and one heavy weight bottom layer made of synthetic material that can be worn together to increase warmth.	-
Fleece or Synthetic Pants	1		These should be either fleece or synthetic down. If the pants have side zips, it will make your life a lot easier by allowing you to layer without removing your foot wear. We recommend the Mountain	-

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			Hardwear Compressor Pant or the Black Diamond Stance Belay Pant .	
Shorts or Lightweight Pants	1		These are optional, but are nice to wear at lower elevations, in town, or as additional layering options. Cotton is unacceptable; synthetic will dry faster and be more comfortable for long periods of wear. A light softshell pant could work as well. Mountain Hardwear makes great pants.	-
Outer Wear	1		Pants made of waterproof / breathable material such as Gore-Tex are vital for keeping you warm and dry. They need to fit over all layers and should have side zips. Mountain Hardwear shell pants and bibs work great.	-

Head, Neck, Hands & Feet

Keeping your extremities warm & dry is crucial. We lose a massive percentage of body heat through our heads, and our hands and feet are the most susceptible to inconveniences like trench-foot. Developing a system that works for your specific needs takes time; this guide is a good place to start.

Equipment	Quantity	<input checked="" type="checkbox"/>	Comments	Rental
Warm-Hat	2		Should be made of synthetic material or wool, cotton is unacceptable. Should layer underneath a climbing helmet. Mountain Hardwear has a wide selection of warm hats.	-
Sun-Hat	1		The sun can be very bright especially with reflection off the water, the more protection your cap offers from the sun the better.	-
Sunglasses	1		Dark lenses are a must. The sun can be very bright (especially with reflection off of the water) and can cause permanent eye damage.	-
Light Weight Gloves	1		Windstopper fleece works best. Work gloves with a water proof palm are nice to have along when dexterity is more important than warmth. 'Dura-Therm' or like models (synthetic glove with rubber palm & fingers) work well, just ensure you find the warmest model available. Mountain Hardwear and Black Diamond make great gloves.	-
Outer gloves or mittens	1		1 pair made of Gore-Tex or equivalent waterproofing. Heavy rubberized gloves are also appropriate. They should be waterproof and fit over inner gloves. Ski gloves are okay. Black Diamond and Mountain Hardwear have durable shell gloves.	-
Socks	3-4		These should be synthetic or wool. Having a mix of light and heavy weight socks is nice to adjust to variable weather.	-
Hiking Boots	1		Should be well broken in and waterproof. We recommend full grain leather boots. Please don't hesitate to call us if you have any questions about purchasing boots.	-

Gaiters	1		These should fit over your hiking boots, and are used to keep water/snow/rocks out. They should be tall and water/abrasion resistant.	-
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Water Shoes	1		To be used while canyoneering and/or river crossings and should have a thick sole and be quick drying.	-
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Backpacking Equipment

Equipment	Quantity	<input checked="" type="checkbox"/>	Comments	Rental
Backpack	1		Should have a capacity of at least 5,000 cubic inches (or 80 liters), and should be comfortable with 60 lbs. of weight. Mountain Hardwear and Black Diamond packs are versatile and rugged. Please don't hesitate to call us before making any major purchases.	YES
Trekking poles	1		Lightweight and adjustable length work best. Snow baskets are a must. Black Diamond poles are a great fit.	YES
Lightweight Harness	1		Should fit over all layers and be comfortable when wearing a pack. Adjustable leg loops are best.	Provided
Locking Carabineers	2		Large aluminum locking carabineers (such as the Black Diamond Rocklock) are used on your harness for technical canyoneering.	Provided
Belay Device	1		A standard belay plate can be used for technical climbing and rappelling. The ATC-Guide is a great, versatile option.	Provided
Helmet	1		Should be light weight and rated for rock climbing/ mountaineering. The BD Vector or Half Dome are great options.	Provided

Sleeping Bag & Pads

Having a good sleep system is essential in the mountains. While down bags are very warm and pack incredibly small, they lose all insulating properties when they get wet. For this course we recommend a synthetic fill bag.

Equipment	Quantity	<input checked="" type="checkbox"/>	Comments	Rental
Sleeping bag	1		We recommend a synthetic fill bag with a comfort rating of 5 degrees Fahrenheit. Mountain Hardwear bags work well. Please don't hesitate to call us before making any major purchases.	YES
Sleeping pads	2		A system of one compact inflatable pad (Thermarest) and one closed cell foam pad works best to insulate when sleeping on snow.	YES

Miscellaneous

Equipment	Quantity	<input checked="" type="checkbox"/>	Comments	Rental
Watch	1		Should have an alarm.	-
Eating Utensils	-		Bowl & Spoon (Lexan or titanium work well), as well as a 14oz mug with a lid for hot drinks.	-
Headlamp	1		We recommend LED headlamps, because they are lightweight, long-lasting & durable. Bring extra batteries. Black Diamond SPOT or ICON headlamps work great.	-
Toilet Paper	1		Bring your own in a Ziploc bag.	-
Iodine	1		A bottle of 'Polar-Pure' Crystals is the most convenient, but 'Potable Agua' works well also.	-
Lip Balm	1-2		Should have some type of SPF protection.	-
Sunscreen	4-8oz.		Should be SPF 30 or higher and be waterproof.	-

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Personal Med-Kit	1		A personal prescription of a broad-spectrum antibiotic like Ciprofloxacin or Azithromycin is REQUIRED . Your kit should also include ALL personal medications, as well as a stash of Ibuprofen, Aspirin, Band-Aids, and Neosporin. A group Med-Kit will be available for everyone, however bringing a personal kit is mandatory. If you have any questions please don't hesitate to call us.	-
Water Bottles	2		Wide mouth 1-liter Lexan bottles ('Nalgene') work best.	-
Bandana or ' Buff '	1		Used for extra sun-protection. Your tee-shirt can be used in place of a bandana if you are trying to shave weight (which is a good thing).	-
Stuff Sacks	2-4		For organizing your gear inside of your backpack.	-
Garbage & Ziploc bags	variety		To keep your gear dry inside of your kayak. (Line your stuff sack with a garbage bag before you stuff your sleeping bag in there.)	-

Optional

Equipment	Quantity	<input checked="" type="checkbox"/>	Comments	Rental
Sleeping Bag Liner	1		For increased warmth.	-
Summit pack	1		A 30 liter rucksack for daily canyoneering trips works great for carrying for the necessities.	-
Energy/Candy Bars	0-20		Bring bars that taste good!	-
Moist Towelettes	0-20		This will be as close to a shower as you will get, we recommend one wipe per day.	-
Book	1-2		Leave the 15 pound hardcover at home.	-
Journal	1		'Rite in the Rain' or similar water resistant paper work best.	-
Bug Spray	1		The bugs at lower elevations can be bothersome during certain seasons.	-
Camera	1		Digital camera, one with a view finder allows you to take photos when it is too bright to see the screen and helps save batteries. A camera that is compatible with AA's allows you to bring extra batteries that don't cost an arm and a leg. Bring an extra memory card.	-

Additional Information

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We provide the following: tents, group climbing equipment, expedition first aid kits, cooking equipment, and trip food.

Please don't hesitate to call us with any questions 1.800.985.4957

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