

# Equipment List

## Gannett Peak Mountaineering

### National Outdoor Leadership School

Welcome to NOLS! We look forward to having you with us at NOLS Rocky Mountain. Please take time to read the following information before making equipment choices.

Equipment selection and care is an essential wilderness skill. There is a bewildering variety of equipment on today's market. NOLS Rocky Mountain provides an Outfitting Department for our students for this reason. This is a full-service retail store and rental facility for outdoor equipment and clothing. We have expert staff with over 40 years experience who can completely outfit you for your expedition needs. The products that we carry have been selected and field tested on NOLS Rocky Mountain courses. Because you'll have a better understanding of your equipment preferences after your NOLS course, we recommend renting from NOLS rather than purchasing expensive gear in advance. We can provide you with all of the equipment on this list, other than those items designated as "Must Bring."

You have a variety of options from us when selecting your equipment. We understand that to some this equipment list can be daunting so we're offering **two package deals** that will completely outfit you with the essentials required on a standard NOLS course (see end of equipment list for details) or you can rent or purchase items for the course. Be sure to check out the DVD provided in your equipment packet for additional information.

We encourage you to rent or purchase from us as we know what you'll need depending on route, weather and time of year. However if you wish to buy gear before your course consider our Preferred Retailers. Preferred Retailers are retail stores whose staff are familiar with NOLS. Ask the NOLS admission office about Preferred Retailers in your area or visit our web site at [www.nols.edu](http://www.nols.edu).

You are welcome to bring any gear on our equipment list that you already own. Your instructors will inspect your gear and determine if it is suitable for your course. If an item is not approved, you can leave it with your luggage in our storage lockers.

The availability of each item is indicated as follows:

**Purchase Only** -Indicates that the item is available from NOLS, but for PURCHASE ONLY.

**Must Bring** -Indicates that the item is NOT AVAILABLE from NOLS.

**All rental prices cover the entire course and all prices are subject to change.**

In addition to your course tuition, you have been charged an **equipment deposit**. This deposit will be applied directly to the charges you incur for equipment rental, cleaning, purchase of personal items, and any loss or damage to our gear. Total charges will vary depending upon the amount of equipment that you rent or purchase from us. The equipment rental and purchase prices located in the gear checklist will allow you to estimate your charges. If your bill is less than the deposit, the difference will be refunded to you by mail. If you think that your bill may exceed the deposit, please bring cash, travelers' checks, check, Visa or MasterCard to cover the excess, or we will bill you by mail.

If you have any questions regarding any of the items on the equipment list, please contact NOLS Rocky Mountain Outfitting at **(307) 332-1422 or -4784**; **E-mail: [outfitting@nols.edu](mailto:outfitting@nols.edu)**; or **via our web site at <http://www.nols.edu>**. You can also write to us at NOLS Outfitting, 502 Lincoln Street, Lander, WY 82520.

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## Upper Body Layers

We layer our clothing, combining different garments to achieve optimum insulation and protection from wind, rain and snow. We use either synthetic or wool fibers, which insulate when wet. We avoid cotton, which is poor insulation when wet. It is common to need 3 insulating layers and a vest.

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Base Layer (Mid-Weight Synthetic)	Purchase Only	\$40-\$60	1	Mid-weight underwear top made of wool, polypropylene, Capilene® or ZeO2™.	
Middle Layer (Fleece Pullover)	\$20	\$40-\$60	1	Polyester fleece pullover/expedition weight top of Polartec® 100 or 200, fiberfill jacket or a wool sweater.	
Top Layer (Fleece Jacket)	\$20	\$50-\$75	1	Heavyweight, full-length zip fleece or fiberfill jacket of Polartec® 300 or equivalent weight.	
Fleece Vest	\$15	\$35-\$50	1	A polyester fleece vest of Polartec® 200 or a synthetic filled vest.	
Wind Shirt / Anorak	\$20	\$55	1	A lightweight, breathable, durable nylon wind shell in either pullover or parka style. Lightweight nylon exercise jackets usually are not sturdy enough to survive a NOLS course.	
Rain Jacket	Purchase Only	\$90-\$150	1	A sturdy, roomy waterproof jacket with a hood. Both coated nylon and breathable fabrics such as Gore-Tex® are acceptable.	
T-shirt	Purchase Only	\$18- \$30	1	A cotton or lightweight polyester/Capilene T-shirt.	

Our advice? Bring the sweaters, pile jackets and other layers you think might work. We'll advise you on the best combination for your course, the season and area.

## Lower Body Layers

You will need 1-2 synthetic insulating layers (usually an under layer and in early summer, a pair of fleece pants). All must fit comfortably over each other so that they can be worn at the same time. If you tend to get cold easily, add a middle layer of mid-weight bottoms to the under layer and fleece pants.

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Base Layer (Mid-Weight Synthetic)	Purchase Only	\$30-\$45	1 pair	Mid-weight bottoms of high performance polyester, polypropylene, ZeO2 or Capilene®. Cotton and cotton blends are not acceptable.	
Middle Layer (Exp-Weight Synthetic)	Purchase Only	\$40-\$60	1 pair	Expedition-weight bottoms that fit comfortably over the under layer bottoms.	
Fleece Pants	\$20	\$60	1 pair	Polartec® 200 or equivalent. Side zippers (full length, or knee high) make it easier to put pants on over hiking boots. Optional for August courses.	

### Lower Body Layers (cont.)

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Wind Pants	\$20	\$60	1 pair	Nylon shell pants. Must fit comfortably over all lower-body layers. Side-zippers allow the pants to be put on over boots. Breathable fabrics such as Gore-Tex are acceptable, but lightweight "running pants" are NOT durable enough. If you own Gore-Tex bibs, we recommend that you bring them. We recommend renting NOLS wind pants. They are the most popular piece of equipment NOLS has designed. Many students purchase their wind pants at the end of their course.	
Rain Pants	Purchase Only	\$40-\$80	1 pair	Optional. Although not required, some people like to use rain pants in conjunction with a rain jacket.	
Nylon Shorts	Purchase Only	\$36-\$48	1 pair	Loose-fitting nylon athletic/river shorts.	
Briefs/ Sports Bras	Purchase Only	\$18-\$32	1 pair	Optional. We recommend that men go without underwear, and just use nylon athletic shorts with liners. Women should use what's comfortable: cotton, silk, or synthetic underwear is fine. For women's sports bras, silk or synthetic only.	

Our advice? Bring the synthetic or wool long johns, fleece or exercise pants you think might work. We'll advise you on the best combination for your course, the season and area.

### Head, Neck and Hand Layers

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Baseball Cap or Wide Brim Hat	Purchase Only	\$18.95	1	To protect ears and face from the sun. Available with NOLS logo.	
Balaclava	\$4	\$17	1	Optional. Balaclavas are full head and neck coverings that have an opening for the face. They are usually made out of Polartec® 100 or 200 fleece.	
Wool/ Fleece Hat	\$4	\$15-\$20	1	A warm hat made of wool or fleece.	
Neck Gaiter	Purchase Only	\$13	1	Optional for courses beginning before 6/25. Wool (at least 75%) or fleece. A wool or synthetic scarf will work as well.	
Mosquito Headnet	\$2	\$6	1	A light nylon headnet.	
Gloves	Purchase Only	\$15-\$30	1 pair	Ragg wool or synthetic (fleece).	
Mittens	Purchase Only	\$7-\$17	1 pair	Optional for August courses. Ragg wool or synthetic (fleece). Mountaineering courses may need 2 pr.	

### Head, Neck and Hand Layers (cont.)

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Mitten Shells	\$8	\$21-\$38	1 pair	Optional except for courses beginning before June 25. Water-repellent nylon or Gore-Tex® shells that fit over your mittens or gloves.	

Our advice? As long as they're not cotton, bring your gloves and mittens. We'll check them and see if they'll work. You may need one pair, or depending on the weather, you may need two pairs.

### Packs

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Backpack	\$80	\$305	1	Our packs are large expedition packs with a volume of 6300 to 7000 cubic inches made by Lowe exclusively for NOLS. <b>If you bring an internal frame pack, it will be examined by your instructors to determine its suitability for your course and route. It must have a volume of 6,300 to 7,000 cubic inches.</b>	
Small Stuff Sacks	\$2	\$4.00	2 or 3	2 or 3 small nylon or mesh sacks for organizing items in your pack.	

Our advice? An expedition backpack is a major purchase. If you don't already own one, we think you should use ours, gain some experience, then make an informed decision on your needs.

### Sleeping Bag and Pad

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Sleeping Bag	\$40	\$160	1	Synthetic-filled bags (Quallofil®, Hollofil®, Polarguard®, etc.) perform well in the variety of conditions we encounter on courses. A bag with approximately 3 pounds of fill rated to 5° or 10° F and having 6-8 inches of loft is required.	
Summit/Compression Pack	\$12	\$49.95	1	We use the Lowe Attack Summit that doubles as a compression stuff sack for your sleeping bag and a summit pack for day hikes.	
Plastic Trash Bags	Purchase Only	\$.50	2 or 3	2-3 heavy-duty lawn and garden bags (33 gallon) to help waterproof your sleeping bag and backpack.	

### Sleeping Bag and Pad (cont.)

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Sleeping Pad	\$4	\$10-\$75	1	Should be closed-cell foam and 3/8" thick. Used for padding and insulation between sleeping bag and ground. We highly recommend and sell self inflating sleeping mat as one of your pads. Thermarest and Insulmat are great brands.	
Ground Cloth	\$4	\$8	1	A waterproof nylon sheet to go between your sleeping pad and the ground.	

Our advice? A sleeping bag is another major purchase. If you don't already own one, we think you should use ours, gain some experience, then make an informed decision on your needs.

### Climbing Equipment

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Rock Shoes	\$40	\$80-140	1 pair	Shoes should be suitable for wearing and climbing in all day and using for multi-pitch climbs.	
Harness	No Charge	\$70	1	We have harnesses to rent, but if you own one, bring it along.	

Our advice? If you own a harness, helmet, chalk bag and pair of shoes, bring them along. If your instructors approve, you can use them. We will use the school's protection, belay devices, sling, carabiners and ropes.

### Miscellaneous Items

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Insulated Mug	Purchase Only	\$3.50-4	1	12 to 20 oz. insulated mugs with lids are preferred. Available with NOLS logo.	
Bowl	Purchase Only	\$4	1	A bowl with a snap-on lid is also handy.	
Spoon	Purchase Only	\$1	1	Lexan spoons are light, durable and popular.	
Water Bottle	Purchase Only	\$9-\$15	1-2	1-2 wide-mouth quart- or liter-size plastic bottles, like Nalgene® bottles.	
Lip Balm	Purchase Only	\$3	1	Stick, cream, or tube type moisturizing balm with sun protection factor (SPF) 15 or greater.	
Sunscreen	Purchase Only	\$7-9	1-2	A 3 to 6 ounce tube with sun protection factor (SPF) 15 or greater	
Bandannas	Purchase Only	\$2	2 or 3	A few of these are always handy.	

### Miscellaneous Items (cont.)

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Head-Lamp/Flashlight	Purchase Only	\$29-40	1	Durable and lightweight. Head lamps are popular. Bring spare batteries.	
Disposable Lighters	Purchase Only	\$1.50	2	Use for lighting your camp stove.	
Insect Repellent	Purchase Only	\$5	1 or 2	1-2 small bottles. No aerosol spray cans.	
Toiletries	Must Bring	Must Bring	1	Toothbrush, toothpaste, comb, brush, skin lotion, tampons. Travel or trial sizes are enough. Bring your own.	
Watch	Purchase Only	\$40-65	1	A watch with an alarm is a nice feature.	
Notepad And Pencil	Purchase Only	\$3-\$10	1	A small, lightweight pad is fine.	
Sunglass Retainers	Purchase Only	\$5	1	Optional. Chums® or Croakies® for keeping track of your glasses or sunglasses. Available with NOLS logo.	
Sunglasses	Purchase Only	\$40-\$130	1 pair	Any good quality sunglasses with 100% UV protection will work fine. If you wear prescription lenses and have limited vision without them, bring your own prescription sunglasses or look for a quality pair of clip-on polarized shades at a specialty fishing store. Lenses should be dark and block 100 percent Ultra Violet. Glass lenses will get scratched less than plastic. We sell Native Eyewear and Optic Nerve. Julbo, Smith, Coyote Vision, Oakley, and Bausch & Lomb are good brands.	
Candles	Purchase Only	\$0.50	1 or 2	Optional. 1 or 2 Plumbers candles.	
Instant Hand Sanitizer	Purchase Only	\$1.50	2	Must have 2 oz. bottles for keeping hands clean.	
Pocket Knife	Purchase Only	\$20-45	1	One small knife is sufficient; simple Swiss Army knives are popular.	

Our advice? Keep the toiletries, pocket knife and camera gear to small sizes. We work to keep our pack weight as low as possible, but our packs are heavy. Saving every ounce is essential!

### Footwear

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Boots	Purchase Only	\$160-\$250	1 pair	See below for information on the mountaineering boots necessary for this course. Our boot stretching process helps expedite the break-in period of new boots.	

## Footwear (cont.)

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Wool Socks	Purchase Only	\$9-\$19	5 pairs	Heavy ragg wool or heavy wool/synthetic blend.	
Liner Socks	Purchase Only	\$6	2 or 3 pairs	Optional. Lightweight wool, polypropylene or Capilene® "wick dry" socks. You will need at least two pairs if you are using a liner sock/wool sock combination in your hiking boots.	
Gaiters	Purchase Only	\$32.95	1 pair	Knee high, durable.	
Camp Shoes	Must Bring	Must Bring	1 pair	Running, tennis, or cross-training athletic shoes.	
Galoshes	\$8	\$20	1 pair	Optional except for courses beginning before June 25. Lightweight mid-calf length rubber galoshes fit over your camp shoes.	

Our advice? You'll be backpacking for two to four weeks. Your boots will be a critical piece of gear. If they're not sturdy, don't provide enough support or don't fit properly with at least a liner and a wool sock, we won't let you use them. If you have any doubts about boots, feel free to give us a call.

### RECOMMENDED BOOTS

The following list is not exhaustive and is to be used for suggestions only. The boots listed here should help define what boots are acceptable for your course. It is fine to substitute a similar boot for one of the types listed here provided the boot that you bring is a good quality leather model designed for extended backpacking & mountaineering expeditions with heavy packs.

\*Please note that boot manufacturers often rename their product line. Visit the manufacturer's website or contact us if you have questions.

#### Mountaineering Boots:

Heavyweight, off-trail mountaineering boots: This type of boot is what many people consider to be the "classic" mountaineering boot. The boots are typically constructed with a stiff, full-grain leather upper sewn onto a deep lugged Vibram rubber sole with a Norwegian welt, characterized by 2 or 3 rows of stitching along the top edge of the Vibram sole. These boots are initially quite stiff, with very little, if any, flex in the sole. Most of these boots have a ridge or shelf on the sole to accept a crampon. Some of the newer designs in this category have a rubber rand around the base of the leather upper. Boots in this category include, but are not limited to, the following: Asolo, Titan GV, Route GV; La Sportiva, Glacier Evo, Makalu, Trango S EVO GTX; Montrail, Olympus, Lotus GTX; Raichle All-degree Lite, High; Scarpa Freney XT GTX, Manta; Vasque Alpine GTX

Please refer to your enrollment packet for specific boot fitting information.

Optional Items					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Binoculars	Must Bring	Must Bring	1	Small travel binoculars work well.	
Prescription Glasses And Contact Lenses	Must Bring	Must Bring	2 or 3 pair	Bring a spare pair of glasses or lenses. Contact lens wearers should also bring a pair of glasses as backup. Again, prescription sunglasses are nice to have.	
Water Treatment	Must Bring	Must Bring	1	NOLS supplies Potable Aqua tablets (hydroperiodide) or Aqua Mira for backcountry water purification. However, if you are sensitive to iodine or chlorine you may need to bring your water filter such as the PUR Scout or Hiker, or the SWEETWATER Guardian.	
Vitamins	Must Bring	Must Bring	1	Not necessary, but a small quantity of multi-vitamins is popular among staff and students for this length of course.	
Book	Must Bring	Must Bring	1	A small paperback reading book.	
Trekking Poles	Must Bring	Must Bring	1	If you like to use a ski pole while you hike. It should be a sturdy 2-3 section pole for ease of pack ability.	
Camera	Must Bring	Must Bring	1	Lightweight, 35 mm compact cameras are sufficient; bring a protective case. Avoid heavy lenses and elaborate set-ups.	
Backpacker's Camp Chair	Purchase Only	\$20-\$50	1	Crazy Creek or one with Therm-A-Rest fitting. These collapsible camp chairs may mean carrying a little extra weight, but most students and instructors consider it a worthwhile investment. Some students wanted us to put this in the "Must Bring" section, but we make it optional as it is not essential. Available with NOLS logo.	
Hydration System	Purchase Only	\$30-\$50	1	Very handy and popular. We carry Camelback® packs.	
Our advice? Keep the toiletries, pocket knife and camera gear to small sizes. We work to keep our pack weight a low as possible, but our packs are heavy. Saving every ounce is essential!					

### GROUP EQUIPMENT

All items listed below are provided by NOLS and shared among all expedition members. Group equipment is included as part of the course tuition; however, students will be charged for any lost or damaged group equipment.

Tents & Shelters	Climbing Protection	Maps & Compass
Camp Stoves	Climbing Ropes	Reference Books
Fuel and Fuel Bottles	Helmets and Harnesses	Binoculars
Cooking Gear	Ice Axes	First Aid Kits
Bear Resistant Food Containers	Snowshoes (if necessary)	Equipment Repair Kits
Trowels or Shovels	Fishing Equipment	

## Rental Packages

We offer two equipment packages that will save you time and money with significant **discounts of 15%**. The **Expedition Rental Package** is a combination of all rental gear and purchase only gear that is essential to your course. The **Lifetime Gear Package** is the purchase of all essential gear needed for your course.

We feel this is an easy and less expensive way for you to meet your outfitting needs. If you purchase or rent other items beyond these two packages we will extend the 15% discount to those items. Following are the essential items for both packages and the price breaks you will receive.

Expedition Rental Package (Rental and Purchase)	Quantity	Item	Package Price
		<b>FOOTWEAR</b>	
	*1	Hiking Boots	\$175.00
	*4	Wigwam Wool Socks	\$36.00
	*1	Gaiters	\$32.95
		<b>UPPER BODY</b>	
	*1	Base Layer Top	\$43.00
	1	Middle Layer Top	\$15.00
	1	Top Layer (fleece jacket)	\$20.00
	1	Wind Shirt	\$20.00
	*1	Rain Jacket	\$90.00
	*1	Cotton or Synthetic T-Shirt	\$27.00
		<b>LOWER BODY</b>	
	*1	Base Layer Bottom	\$32.00
	1	Wind Pants	\$20.00
	*1	Nylon Shorts	\$36.00
		<b>HEAD AND HANDS</b>	
	*1	Sun hat (baseball cap)	\$18.95
	1	Wool or Fleece Hat	\$4.00
	1	Mosquito Headnet	\$2.00
	*1	Fleece Gloves	\$28.00
		<b>SLEEPING GEAR</b>	
	1	Sleeping Bag	\$40.00
	1	Compression/Summit Pack	\$12.00
	1	Sleeping Pad	\$4.00
	2	Small Stuff Sacks	\$4.00
		<b>BACKPACKS</b>	
	1	Backpack	\$80.00
		<b>MISC GEAR</b>	
	*1	Spoon	\$1.00
	*1	Bowl	\$4.00
	*1	Insulated Mug with Lid	\$3.50
	*1	Water Bottle	\$9.00
	*1	Lip Balm	\$3.00
	*1	Sunscreen (SPF 15 minimum)	\$6.95
	*1	Bandannas	\$2.00
	*1	Headlamp/flashlight	\$28.50
	*1	Batteries	\$3.95
	*1	Disposable Lighter	\$1.50
	*1	Insect Repellent	\$5.00
		Subtotal	\$808.30
		<b>Total with 15% discount</b>	<b>\$687.05</b>

\* Indicates Purchase Only

Lifetime Gear Package (Purchase Essentials)	Quantity	Item	Package Price
		<b>FOOTWEAR</b>	
	1	Hiking Boots	\$175.00
	4	Wigwam Wool Socks	\$36.00
	1	Gaiters	\$32.95
		<b>UPPER BODY</b>	
	1	Patagonia MID Base Layer Top	\$43.00
	1	Middle Layer Top	\$45.00
	1	Top Layer (fleece jacket)	\$75.00
	1	Wind Shirt	\$55.00
	1	Rain Jacket	\$90.00
	1	Cotton or Synthetic T-Shirt	\$27.00
		<b>LOWER BODY</b>	
	1	Base Layer Bottom	\$32.00
	1	Wind Pants	\$60.00
	1	Nylon Shorts	\$36.00
		<b>HEAD AND HANDS</b>	
	1	Sun hat (baseball cap)	\$18.95
	1	Wool or Fleece Hat	\$14.50
	1	Mosquito Headnet	\$5.95
	1	Fleece Gloves	\$28.00
		<b>SLEEPING GEAR</b>	
	1	Sleeping Bag	\$165.00
	1	Compression/Summit Pack	\$49.95
	1	Sleeping Pad	\$12.00
	2	Small Stuff Sacks	\$7.00
		<b>BACKPACKS</b>	
	1	Backpack	\$305.00
		<b>MISC GEAR</b>	
	1	Spoon	\$1.00
	1	Bowl	\$4.00
	1	Insulated Mug with Lid	\$3.50
	1	Water Bottle	\$9.00
	1	Lip Balm	\$3.00
	1	Sunscreen (SPF 15 minimum)	\$6.95
	1	Bandannas	\$2.00
	1	Headlamp/flashlight	\$28.50
	1	Batteries	\$3.95
	1	Disposable Lighter	\$1.50
	1	Insect Repellent	\$5.00
		Subtotal	\$1,381.70
		<b>Total with 15% discount</b>	<b>\$1,174.44</b>