# Patagonia Mountaineering – 14 Day



When it comes to outdoor equipment, there's no need to go all out and buy every piece of fancy gear just to cram in into your new, state of the art backpack. You will be carrying everything you bring with you on your expedition – PLUS some of the food and some of the group gear. Whether you purchase or rent, foremost in your mind should be weight. Each item adds up to what will eventually be strapped to your back. So do the research, read the labels and consider what you can do without. If you don't need something, don't bring it!

The National Center for Outdoor & Adventure Education (NCOAE) equipment list of required and optional gear will help you decide what to bring and what not to bring on your NCOAE adventure. You can save money too by renting some of the equipment for your course from NCOAE.

- If you have questions about gear you already own, send us an e-mail or call and we will assess its suitability for the environment where it will be used. We might suggest that you return your grandfather's heavy canvas war-era tent to the garage and rent or purchase a lightweight version instead. Any gear you bring must meet NCOAE's standards.
- If you prefer to purchase all of your gear that's fine too, but if you're not sure you'll ever use that \$400 internal frame backpack or sleeping bag again, we may have one available to rent! Of course you don't have to rent equipment from us, but our gear is tailor-made to fit our excursions.
- All program participants will pay a \$250 deposit on gear to cover possible loss or damage. If all gear is
  returned in the condition in which you received it, the full deposit will be applied to any rental charges,
  and the remainder returned to you so inspect the gear closely before and after renting. Damaged or
  lost group gear expenses are divided among all participants. Damaged or lost rental gear is charged to
  the renter.
- Remember to bring one or two sets of "in-town clothes" for your return flight after the trip!
- Items listed below with an asterisk (\*) may be available from NCOAE for rent.

Comments, questions, concerns... Call NCOAE Headquarters Monday through Friday between the hours of 8:30 am EST at (910) 399-8090.

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Mountaineerin	ig – 14 Day	/		
Packs and Bags				
EQUIPMENT	REQUIREMENT	QUANTITY	COMMENTS	CHECK LIST
Internal Frame Backpack*	Must Bring, or Rent \$65.00	1	Internal frame backpack, with a volume of 75 to 85 liters is ideal (4,600-5,200 cubic inches).	
Plastic trash compactor bag	Must Bring	2-3	3mm or thicker, durable, sturdy. Found in grocery stores.	
Footwear				
EQUIPMENT	REQUIREMENT	QUANTITY	COMMENTS	CHECK LIST
Sturdy Leather Hiking Boots	Must Bring	1 pair	Please read the Boot Selection Guide at the end of this list.	
Hiking Socks	Must Bring	3-4 pairs	Must be 75%–100% wool, merino wool, heavy ragg type, or thick polypropylene. <b>No cotton or wool-cotton blends.</b>	
Camp Shoes / Boots	Must Bring	1 pair	Closed-toed shoes are a must to protect your feet and are more comfortable for wearing in camp.	
River Shoes	Must Bring	1 pair	<b>Must be closed-toed</b> for protection from rocks, sharp objects, or in case you happen to fall out of the raft. (Example: Keens)	
Sandals	Optional	1	Must have heel strap. May bring "open-toe" sandals, in addition to camp & river shoes. (Example: Chacos)	
Gaiters	Optional	1 pair	Full gaiters provide good leg protection while bushwhacking. Low gaiters are also acceptable.	
Upper Body Clothing				
			ght insulation layer, & puffy jacket), a wind-proof layer, a rain law f you get cold easily, we suggest that you take four insulating lay	
EQUIPMENT	REQUIREMENT	QUANTITY	COMMENTS	CHECK LIST
Base Layer - Long Underwear Top	Must Bring	1-2	Light or expedition-weight synthetic or performance wool is best. (Examples: Patagonia Capilene, Icebreaker wool)	
Fleece Jacket or Shirt	Must Bring	1	Light to mid-weight fleece jacket that fits over your base layers. (Example: Mountain Hardwear Microchill)	
Expedition Weight Pullover	Must Bring	1	(Examples: Patagonia R1 Hoodie, Mountain Hardwear Expedition-Weight zip-tee)	
Fleece or Synthetic-fill Insulated Vest	Optional	1	A vest can supplement other upper layers, which is good for folks who get cold easily. (Example: Patagonia Synchilla Vest)	
T-Shirt	Must Bring	2	Lightweight synthetic or wool shirts recommended.	
Insulated Jacket	Must Bring	1	A warm, lightweight, synthetic-fill "puffy" jacket that fits over your base layers & under your ski jacket. (Example: Patagonia	

Nano Puff Hoody)

Must Bring, or

Rent \$15.00

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**Must Bring** 

Wind Shirt

Rain Jacket\*

Nylon wind shell, roomy enough to fit over base layers.

Jacket should be roomy enough to fit comfortably over all

upper-body layers. For rainy or stormy days in the

backcountry. Ponchos are NOT ACCEPTABLE.

Protection from bugs, wind, brush or to use as "cooking shirt."

## Patagonia Mountaineering – 14 Day



#### **Lower Body Clothing** You need two to three lower-body insulating layers that fit comfortably over each other and underneath your wind or rain pants. Example combination: Mid-weight long underwear + fleece pants. **EQUIPMENT** REQUIREMENT **QUANTITY** COMMENTS **CHECK LIST** Base Layer - Long Mid- or expedition-weight synthetic or performance wool is Must Bring 2 pairs best. (Examples: Patagonia Capilene, Icebreaker wool). **Underwear Bottoms Insulated Pants or** Fleece or synthetic-filled pants are needed when the weather **Expedition-Weight Fleece** Must Bring 1 pair is especially cold. (Examples: Sherpa Jaaro Microfleece Pants, **Pants** Mountain Hardwear Compressor Pants) Must Bring, or Rain Pants\* 1 pair These need to fit comfortably over your hiking pants. Rent \$15.00 Nylon or other synthetic hiking pants are recommended for **Hiking Pants** Must Bring 2 pair protection from bugs and dense vegetation. Nylon wind shell, roomy enough to fit comfortably over your **Wind Pants** 1 pair base layers. Excellent protection in dense bushes and from Must Bring bugs, or for use as "cooking pants." Optional Nice for warm days. Pockets are nice to have. **Nylon Shorts** 1 pair **Miscellaneous Clothing** CHECK LIST **EQUIPMENT** REQUIREMENT QUANTITY **COMMENTS** Should be wide-brimmed to protect from sun. Sun Hat or Baseball Cap Must Bring Winter Hat Must Bring Fleece or wool hat that will fully cover your ears. Buff, Balaclava, or Neck Used to keep your head, neck, and ears warm or protect from Optional the wind and sun – can replace a light cap Gaiter For multiple uses. 1 Bandana Must bring Lightweight polypropylene gloves may be layered with heavier **Glove Liners** Must bring 1 gloves for warmth or worn alone for sun protection. Wool or synthetic gloves or mittens for cold mornings or Gloves or Mittens Must Bring 1 pair evenings around camp. Gloves or Mitten Shells Waterproof shells that fit over your gloves or mittens. Must Bring 1 pair 2-4 pairs of Undergarments made from merino wool or synthetic to wick Underwear/Bras moisture are highly recommended. Cotton briefs for women Must Bring underwear: are acceptable. 2 Bras Comfortable, casual set of clothes for in town & for your flight In Town Clothes Must Bring 1 pair home at the end of your course. **Sleeping Gear EQUIPMENT** REQUIREMENT QUANTITY COMMENTS CHECK LIST

Must Bring, or

Rent - \$40.00 Must Bring, or

Rent - \$10.00

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**Mummy Style Sleeping Bag** 

w/Stuff Sack\*

**Sleeping Pad\*** 

Temperature rating of 20 degrees F or colder. Synthetic, not

Closed-cell foam or self-inflating pads. (Example: Therm-a-rest

down. Compression stuff sack recommended.

Ridgerest or Z Lite).

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Miscellaneous Gear								
EQUIPMENT	REQUIREMENT	QUANTITY	COMMENTS	CHECK LIST				
Required or Prescription Medication (if applicable)	Must Bring	1 Set	<b>Bring enough to last the entire trip.</b> All medications must be in the original bottle with instructions for administration, and your name on it. Please pack all prescribed medicine.					
Toiletries (2 – 3 oz travel sized only)	Must Bring	1 Set	Toothbrush, Toothpaste, Lip Balm w/Sunscreen (SPF 15 or higher), Moisturizer, Feminine Hygiene products. (Shampoo, Conditioner, & Soap for pre & post course only).					
Watch w/ Alarm	Must Bring	1	Must be waterproof (Example: Timex Expedition)					
Headlamp	Must Bring	1	Durable and lightweight.					
Extra batteries	Must Bring	1 set	Bring 1 spare set for headlamp					
Pocket Knife	Optional	1	One small pocket knife is sufficient.					
Water bottle or bladder – 32 oz or 48 oz	Must Bring	2	Heavy, durable plastic. Wide-mouth and must be at least 32 oz. A lightweight bladder system also works well. (In addition to 1 durable water bottle). Examples: Platypus SoftBottle and Nalgene.					
Hydration System	Optional	1	CamelBak or Platypus are popular.					
Insulated mug	Must Bring	1	Durable plastic for hot drinks.					
Plastic Bowl	Must Bring	1	Tupperware or Nalgene style, 16-30 oz capacity, with lid.					
Spoon or Spork	Must Bring	1	Plastic or metal utensils					
Towel	Optional	1	A pack towel that is compressible, lightweight, quick-drying, made of a microfiber or microfiber blend. For use after sweating or after getting wet.					
Mosquito Head Net	Optional	1	Mosquitos & blackflies can swarm heavily in summer months.					
Insect Repellent & Sunscreen	Must Bring	1	Small, travel sized bottles – NO AEROSOLS. Sunscreen must be SPF 30 or greater.					
Sunglasses, Wrap-around style	Must Bring	1	Durable with 100% UV protection. If you wear prescription lenses, bring your own prescription sunglasses. You will want to block the sun from the sides. (Examples: Julbo, Native).					
Prescription Glasses and Contact Lenses	Must Bring	Multiple	If you wear prescription glasses or contact lenses, bring a spare set. Even if you wear contacts daily, plan to carry a pair of glasses.					
Eyeglasses Strap	Optional	1	Good brands are Chums and Croakies.					
Trekking Poles	Optional	1-2						
Sit pad or Camp chair	Optional	1	Portable seat for increased insulation when sitting on ground. Crazy Creek, sleeping pad adaptor, or make from cut foam.					
English to Spanish / Spanish to English Pocket Dictionary & Phrase Book	Optional	1	Water resistant guide can help ease awkward situations until your fluency improves.					

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Optional Items					
EQUIPMENT	REQUIREMENT	QUANTITY	COMMENTS		CHECK LIST
Camera	Optional	1	Small, waterproof & shockproof camera. Bring extra battery and memory card. You are not permitted to bring cell phones or tables into the backcountry, even for camera use.		
Binoculars	Optional	1	Small, travel sized.		
Book	Optional	1	A small, lightweight book fo	r reading.	
Small Card Game or Cards	Optional	1	For down time.		
Fishing Gear	Optional	1 set	If you want to bring your own gear, you're welcome to. Note, however, that fishing opportunities are very limited and route dependent, and you must obtain a license.		
Ear Plugs	Optional	1-2 pairs	To block out loud sleepers		
Small Stuff Sacks or Gallon Zipplocs	Optional	2-3	Used to organize items in your pack. Lightweight dry sacks are convenient.		
Personal Coffee	Optional	Multiple	Most coffee sold in stores is instant.		
Notebook w/ Pen or Pencil	Optional	1	A notebook for journaling or drawing.		
Camp Pillow	Optional	1	Should be small, made out of a synthetic material and compressible.		
NCOAE Will Supply					
Students share both the use	of and the respon	sibility for the	group gear that NCOAE disp	enses.	
Tents		Group Tarp		Toilet Paper & Trowel	
Stoves, Fuel Bottles & Fuel		Maps & Reference Books/Materials		Compass & Whistle	
Cooking Gear		Course Food & Spice Kit		Water Treatment	
First Aid Kit		GPS		Group Sunscreen & Bug Spray	
Bear Canisters or Bags		Soap, Hand Sanitizer & Hygiene Wipes		Solo Tarps	
Mountaineering Gear		Helmets		Repair Kit	

### Patagonia Mountaineering – 14 Day



#### **Boot Selection Guide**

NCOAE has been outfitting people with boots for many years, and our priorities have remained the same: we want you to have footwear that provides adequate protection for your feet and ankles, that is durable enough to withstand weeks of wet, rugged wear and that provides reasonable comfort. Many boots available on the market do not meet these criteria.

When considering footwear, remember that your course will travel mostly off trail, you may be walking through cold streams, and your feet will get wet. You could be in rain or snow for days. You will cross creeks. The type of footwear that you need will depend on how heavy your pack is and how strong your ankles and feet are.

Here are some features to look for in and hiking boots:

- A sole that provides good traction like Vibram or other lugged sole.
- Some form of nylon shank to provide foot support and protection.
- Ankle support
- Durable uppers that will withstand hiking among sharp boulders and dense vegetation.
- A Gore-Tex liner is fine, but unnecessary. Your foot will get wet when the river comes in over the top of your boot. A Gore-Tex liner will slow drying time once the boot is wet.
- A comfortable fit with your preferred hiking socks. Boots that are too small are a common cause of blisters.

The following list of acceptable footwear is not exhaustive. It is to be used as a guide to the general type of footwear acceptable for your course. It is fine to substitute a similar boot or shoe for one of the types listed here. If you are considering a lighter boot or shoe, you will have to be committed to trimming your pack weight to below 40 lbs. which takes prior commitment to weighing each ounce of your personal gear. Expect to be carrying around 30-45 percent of your own body weight on your back. You will be carrying almost 25 pounds of group gear, so factor that in to your total pack weight.

#### Sturdy hiking boots:

Asolo: Elbrus, Lagazuoi, Shiraz, TPS Series, Equalon

Lowa: Cevedale Pro GTX, Tibet Pro GTX

Garmont: Rambler GTX, Dakota, Tower Trek GTX

La Sportiva: Garnet GTX, Omega GTX

Scarpa: Kinesis GTX, Zodiac GTX, Bhutan GTX, Terra GTX

Vasque: Summit GTX, Saga GTX,

Oboz: Wind River