Patagonia

Backpacking & Whitewater Paddling – 24 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 days in town during the course & 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 – 4:30 pm EST at (910) 399-8090.

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| Packs and Bags | | 1 | | T |
|--|--------------------------------|-----------|---|------------|
| 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 | NCOAE provides | 1-2 | 3mm or thicker, durable, sturdy. Found in grocery stores. | |
| Waterproof Stuff Sacks / Gallon Zipplocs | Must Bring | 1-4 | Used to organize items in your pack. Lightweight drysacks are convenient (example: eVent Sil DrySack). | |
| Day Pack | Must Bring | 1 | Small backpack or messenger bag for use on trips into town or when day hiking. | |
| Zip Duffle | Must Bring | 1 | Used to organize and store items while at camp. (Example: Outdoor Products 12x24 Deluxe Duffle). | |
| Dry Bag | Optional – NCOAE provides | 1 | Used to organize and store clothing while on the river. (Example: Sealline Dry Bag, 20-40 liters). | |
| Footwear | | | | |
| EQUIPMENT | REQUIREMENT | QUANTITY | COMMENTS | CHECK LIST |
| Sturdy Hiking Boots | Must Bring | 1 pair | Must be at least mid-weight. Recommend leather, waterproof boots. 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. No cotton or wool-cotton blends. | |
| Camp Shoes | Must Bring | 1 pair | Closed-toed shoes are a must to protect your feet and are more comfortable for wearing in camp. | |
| River Shoes / Sandals | Must Bring | 1 pair | Recommend closed-toed for protection from rocks, sharp objects, or in case you happen to fall out in the water. (Example: Keens). You bring "open-toe" sandals if you'd prefer. (Example: Chacos) | |
| Flip Flops | Optional | 1 | For showering. | |
| Neoprene Socks | Optional | 1 pair | To keep feet warm while paddling. (Example: SealSkinz All Season Waterproof) | |
| Gaiters | Optional | 1 pair | Low gaiters are acceptable. | |
| Upper Body Clothing | | | | |
| You need at least three insula | | • | 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) | |
| Long-Sleeved Shirt / Expedition Weight Pullover | Must Bring | 1 | Must be synthetic. (Examples: Patagonia R1 Hoodie, Mountain Hardwear Expedition-Weight zip-tee) | |
| Fleece or Synthetic-fill | Optional | 1 | A vest can supplement other upper layers, which is good for | |

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| Insulated Vest | | | folks who get cold easily. (Example: Patagonia Synchilla Vest) | |
|--|--------------------------------|----------|---|------------|
| T-Shirt | Must Bring | 2 - 4 | 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) | |
| Wind Shirt | Must Bring | 1 | Nylon wind shell, roomy enough to fit over base layers. Protection from bugs, wind, brush or to use as "cooking shirt." | |
| Rain Jacket* | Must Bring, or Rent \$15.00 | 1 | 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 . | |
| Lower Body Clothing | | | | |
| You need two to three lowe Example combination: Mid-v | | - | omfortably over each other and underneath your wind or rain pa ants. | ants. |
| EQUIPMENT | REQUIREMENT | QUANTITY | COMMENTS | CHECK LIST |
| Base Layer - Long Underwear Bottoms | Must Bring | 2 pairs | Mid- or expedition-weight synthetic or performance wool is best. (Examples: Patagonia Capilene, Icebreaker wool). | |
| Insulated Pants or Expedition-Weight Fleece Pants | Must Bring | 1 pair | Fleece or synthetic-filled pants are needed when the weather is especially cold. (Examples: Sherpa Jaaro Microfleece Pants, Mountain Hardwear Compressor Pants) | |
| Rain Pants* | Must Bring, or Rent \$15.00 | 1 pair | These need to fit comfortably over your hiking pants. | |
| Hiking Pants | Must Bring | 2 pair | Nylon or other synthetic hiking pants are recommended for protection from bugs and dense vegetation. | |
| Wind Pants | Must Bring | 1 pair | Nylon wind shell, roomy enough to fit comfortably over your base layers. Excellent protection in dense bushes and from bugs, or for use as "cooking pants." | |
| Nylon Shorts | Optional | 1 pair | Nice for warm days. Pockets are nice to have. | |
| Miscellaneous Clothing | | | | |
| EQUIPMENT | REQUIREMENT | QUANTITY | COMMENTS | CHECK LIST |
| Sun Hat or Baseball Cap | Must Bring | 1 | Should be wide-brimmed to protect from sun. | |
| Winter Hat | Must Bring | 2 | Fleece or wool hat that will fully cover your ears. | |
| Bathing Suit | Must Bring | 1 | Necessary for paddling parts of the adventure when possible. | |
| Buff, Balaclava, or Neck Gaiter | Optional | 1 | Used to keep your head, neck, and ears warm or protect from the wind and sun – can replace a light cap | |
| Bandana | Must Bring | 1 | For multiple uses. | |
| Glove Liners | Must Bring | 1 | Lightweight polypropylene gloves may be layered with heavier gloves for warmth or worn alone for sun protection. | |
| Gloves or Mittens | Must Bring | 1 pair | Wool or synthetic gloves or mittens for cold mornings or evenings around camp. | |
| Gloves or Mitten Shells | Must Bring | 1 pair | Waterproof shells that fit over your gloves or mittens. | |

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| Neoprene Gloves | Optional | 1 pair | To keep hands warm while paddling | |
|--|----------------------------------|--------------------------------------|--|------------|
| Underwear/Bras | Must Bring | 2-4 pairs of underwear; 2 Bras | Undergarments made from merino wool or synthetic to wick moisture are highly recommended. Cotton briefs for women are acceptable. | |
| In Town Clothes | Must Bring | 1-2 pairs | Comfortable, casual set of clothes for in town & for your flight home at the end of your course. | |
| Sleeping Gear | | | | |
| EQUIPMENT | REQUIREMENT | QUANTITY | COMMENTS | CHECK LIST |
| Mummy Style Sleeping Bag w/Stuff Sack* | Must Bring, or Rent - \$40.00 | 1 | Temperature rating of 20 degrees F or colder. Synthetic, not down. Compression stuff sack recommended. | |
| Sleeping Pad* | Must Bring, or Rent - \$10.00 | 1 | Closed-cell foam or self-inflating pads. (Example: Therm-a-rest Ridgerest or Z Lite). | |
| Miscellaneous Gear | | | | |
| EQUIPMENT | REQUIREMENT | QUANTITY | COMMENTS | CHECK LIST |
| Required or Prescription Medication (if applicable) | Must Bring | 1 Set | Bring enough to last the entire trip. 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 | 1-2 sets | Bring 1-2 spare sets for headlamp | |
| Travel Power Adapters | Must Bring | 1-2 sets | For charging camera and other electronics. | |
| 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 | Must Bring | 1 | A pack towel that is compressible, lightweight, quick-drying, made of a microfiber or microfiber blend. For use after sweating or after getting in water. | |
| 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). | |

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| Prescription Glasses and Contact Lenses | Must Bring | Multiple | | ses or contact lenses, bring a contacts daily, plan to carry a pair | |
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| 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. | | |
| 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 for 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 | | |
| 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 respons | ibility 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 | | Water Treatment | |
| First Aid Kit | | Repair Kit Group Sunscreen & Bug Spray | | | |
| Bear Canisters or Bags | | Soap, Hand Sanitizer & Hygiene Wipes Solo Tarps | | | |
| PFD's | | Helmets | | Paddling Gear & Safety Equipment | |

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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 may travel off trail. You may be walking through cold streams, and your feet could get wet. You could be in rain or for days. 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 recommended, but not required. Your feet will get wet if the river comes in over the top of your boot.
- 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