

Ski Patrol Gear List

Ski patrol students usually own some ski related equipment and some items can be purchased second hand. This means individual spend on equipment can vary considerably. For this reason prices are not included in this document. It is **IMPORTANT** to have equipment by due date. **You won't be able to be involved on relevant programme activity without it.**

Seek out well informed and knowledgeable staff in reputable shops for additional advice.

Some suppliers in the Southern Lakes region are Mount Outdoors, Torpedo 7, Outside Sports, Small Planet, Racers edge. Some retailers offer a 10% discount to students who show their student Tai Poutini Polytechnic ID card.

There are equipment and clothing deals to be gained through internet shopping (Canada and USA). We strongly recommend you don't buy a transceiver from overseas. If it needs repair, you won't be able to take part in field training until its return (usually weeks later).

Needed by	Item	Requirements and helpful notes	Additional comments
First day of program	Avalanche transceiver	Any 3 antennae digital transceiver with marking function. Safety consequences mean we DO NOT recommend using a second hand transceiver.	https://beaconreviews.com/transceiver_reviews.php
First day of program	Tramping or alpine boots	Sturdy ankle supporting boot and soles for steep and slippery snow and ice conditions.	Student to provide
First day of program	Head torch	Required for entire programme.	Student to provide
First day of program	Compass	The more expensive ones can be used as an inclinometer as well, but a basic one will be fine.	Student to provide
Early March	Texts	Staying alive in avalanche terrain. Author Bruce Tremper and published by The Mountaineers books.	TPP will supply for period of the
Early March	Texts	NZ Guidelines to Weather, Snow pack and Avalanche Observations.	TPP advises students how to download
Early March	Alpine clothing	Storm proof over pants (patrollers wear black or dark and it is their preference you do when you are on work placement) and jacket, thermal layering (no cotton).	Student to provide
Early March	Repair kit and watch	Multi tool, whistle, ski straps, cable ties, duct tape, and watch (needs to read seconds).	Student to provide
Early March	Camping gear	Term One starts with an overnight camp, so sleeping mats, bags and usual tramping/camping gear is needed (can share	Student to provide
Mid-March	Water proof notebook	TPP will have this ready for you on campus.	TPP will supply
Mid-March	Day pack	35-40 litre. Needs to be robust, water proof and/or bag lined and include compartments for collapsible probe and shovel. External for the shovel is best.	Student to provide

Early March	Collapsible probe	Any leading brand. 2.4 meters long. Can get a 3 meter one if you want. Good features include fast to put together and ruler measures along its length (10cm increments is OK).	Student to provide
Early March	Collapsible snow shovel	Any leading brand with extendible handles. Plastic is not expectable.	Student to provide
Early April	Snow profile note book	TPP will have this ready for you on campus.	TPP will supply
Mid April	Snow saw	@ least 40cm long (not including the handle).	Student to provide
Early May	Snow profile kit	Grain grid, magnifying loupe (x10), snow thermometer, two metre folding builder's ruler.	TPP will supply for period of the
	Snow profile kit	Small bunch coffee stirring sticks and preferred but not compulsory is an inclinometer.	Student to provide Mitre 10 or other hard ware stores sell
	Ski or Snowboard helmet	4-5 meters 2-3 ml cord used to isolate and cut snow test columns.	Student to provide
Early May		Compulsory. Needs to fit for purpose and have a clean history (eg, no major impacts) will be inspected by Tutors.	Student to provide
Mid May	Skis	The cheapest option is one set of skis with "hybrid" bindings. These "hybrids" are robust for ski area downhill skiing mode but are heavier than regular touring bindings (i.e. not as good as tech/pin bindings for multi day back country ski touring or more challenging terrain). Otherwise have one set each of downhill and touring skis.	Student to provide
Mid May	Snowboard	You will need a split board + crampons for the board when it is in touring mode (snow shoes are not acceptable). Along with a board for ski area days.	Student to provide
Mid May	Touring skins	Lots of options, ensure they are fitted correctly to skis.	Student to provide
Mid May	Ski Poles	They are work tools and get treated roughly.	Student to provide
Mid May	Ski poles for split boarding	Need to be collapsible to fit onto a backpack when traveling in the back country.	Snowboarding student to supply
Mid May	Ski Boots	If you purchase the 'hybrid' bindings mentioned under skis, then you only need to get a pair of ski touring boots. If you also intend to use skis with downhill bindings, you will need	Student to provide
Mid May	Snowboard boots	Foot crampon compatible with decent stiff sole.	Snowboarding student to supply

When students arrive on campus, tutors will "show and tell" their own equipment and discussions can be held about various equipment purchase options.