

What To Bring

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Photo Equipment Suggestions

In addition to all your basic equipment like cameras and lenses, we consider the following items important. You can learn more about them at the workshop, but we made this checklist as a reminder to bring them if you already own them. **Items essential to this workshop are in bold:**

Tripod – Sunrise, sunset and nighttime light levels are too low to photograph properly without a sturdy tripod.

Lots of Memory Card Storage.

Camera Battery Charger and Extra Batteries.

Polarizing Filter.

Neutral Density Filters, Graduated Neutral Density Filters – I use the Singh-Ray 8-stop Vari-ND filter, Tiffen 3- and 6-stop IR neutral density filters, and Singh-Ray 2-stop soft and 3-stop hard-edge graduated filters. See <http://singh-ray.com/grndgrads.html>.

Shutter Release – You can use a locking cable release, a wireless remote, or the camera's self-timer. Shutter releases are available for specific camera models, from simple units that only trip the shutter, to more advanced units that allow the photographer to program exposure time, count down the exposure, shoot multiple exposures and timed intervals. These are available from photo retailers, including Hunts Photo and Video. I use a wireless remote shutter release, the hahnel Giga T Pro II, about \$99. See <http://www.hahnel.ie/index.cfm?page=dslrremotecontrols&id=80&pId=80>.

Intervalometer – For time-lapse photography. If you are a Canon shooter, consider the Canon TC-80N3 Remote timer, or an equivalent. See

http://www.bhphotovideo.com/c/product/164271-REG/Canon_2477A002_Timer_Remote_Controller_TC_80N3.html.

Here's a less expensive alternative, but identical in structure and function: http://www.amazon.com/Cowboystudio-Timer-Remote-Control-Shutter/dp/B003PFYKGW/ref=sr_1_6?ie=UTF8&qid=1378831815&sr=8-6&keywords=canon+remote+timer.

Many Nikons have a built-in intervalometer, or you can use the Nikon MC-36A Multi-Function Remote Cord, about \$190. See http://www.huntsphotoandvideo.com/detail_page.cfm?ProductID=27032&mfg=Nikon&show=yes. My hahnel Giga T Pro II remote has the same features for about half the price.

Flashlight &/or Headlamp – preferably with a red light, or cover with a red filter to prevent stray light from distracting others during night photography sessions. Bring larger lights for light painting if you'd like.

Snow/Rain Cover – For camera and lens protection. An inexpensive plastic shower cap works well in many instances.

Battery-powered Alarm Clock/Watch – Power outages are frequent in the Adirondacks and cell phone service is intermittent. It's better to bring your own alarm than miss a morning shoot!

Cell Phone.

Computer Equipment Suggestions

Laptop Computer – We highly recommend bringing your own laptop computer for downloading, processing and viewing your images. If you borrow a laptop, make sure that you are familiar with its use.

Processing Software – Good choices include Adobe Lightroom, Elements, Photoshop. I use Adobe's Creative Cloud Photography Plan, about \$10/month. Free 30-day trials of these programs are available on the manufacturers' websites.

Back-up device – Such as an external hard drive.

Clothing & Outdoor Gear Suggestions

Warm Winter Clothing – It is preferable to dress in warm layers for field trips as temperatures can change significantly and quickly. It can be very cold at this time of year.

Fleece Underlayer/Wool Sweater – Can be added or removed as the temperature falls or rises.

Rain Jacket – For wind as well as rain protection.

Warm Winter Coat, Gloves/Mittens, Hat, and Winter Boots. Several pairs of warm, moisture-wicking socks.
Balaclava to shield your face.

Hand Warmers. Foot warmers.

Snowshoes – if you'd like to photograph away from plowed areas.

Dress for the indoor sessions will be casual.

Other Suggestions

Water bottle.

Energy bars or other snacks.