



Conestoga College Institute of Technology and Advanced Learning

Bachelor of Applied Technology (Honours) Architecture – Project and Facility Management

2021 PROGRAM SUPPLIES

The following is a List of Required Supplies you will need to acquire for your work in the Foundation Module and first year of the program.

Following the list is a Primer with sample images that describes some of the required items in a bit more detail.

You may have already acquired these items in your previous academic and extra-curricular work. If you do not already have these items, there are various stores that are good sources for these supplies. A partial listing of some of these stores is included in the attached.

As you progress through the program, you may develop your own expanded supplies kit. For now, this List of Required Supplies is a basic 'start-up' kit of the items you will need for use during the Foundation Module and first year.

LIST OF REQUIRED SUPPLIES

- Architectural drafting pencil / Lead holder for 2 mm leads
- Lead Pointer for 2mm leads
- 2 mm leads – range: (1) 2H lead, (2) H lead, (1) B lead
- Erasing Shield
- White Drafting Eraser
- Triangular Scale: Metric (1:100/50/20)
- Circle drawing template
- Adjustable Triangle
- Drafting tape - one ¾" roll
- Sketch Books (buy 2): 8"x11" or 9"x12", wire-bound
- Black Ink Sketching Pens: felt-tipped, suitable for loose, quick drawing
- Roll of Sketch paper (12" wide/50yd roll)
- Sheets of plain vellum paper
- Cutting Knife c/w replacement blades (suggested: Olfa)
- Metal ruler – 12" with cork underside
- White glue (suggested: Weldbond)
- Tape measure – Metric (5m/20ft) with durable case
- Model materials (don't purchase yet – you will acquire when needed in project work)

PRIMER

Drafting/Drawing Supplies

Architectural Drafting Pencil / Lead Holder for 2mm Leads, Lead Pointer and Leads



Architectural drafting requires a drafting pencil – sometimes called a lead holder - and lead pointer for sharpening. Please note that a drafting pencil / lead holder is different from a ‘regular’ lead pencil or a mechanical pencil. A 2mm drafting pencil / lead holder is for manual drafting. The 2mm lead pointer is a sharpening device for these leads in order to create crisp line work.

A 2 mm drafting pencil (aka lead holder) and a sampling of 2mm leads of various density including 2H, H and B are critical to developing good line weight techniques in your board drafting. These will be primarily used for drafting projects in the Foundation Module and first-year Studios.

Erasing Shield



A thin piece of metal specially made with cutouts so that you can erase little mistakes without wiping out the rest of your drawing - a cheap item, and very useful.

White Drafting Eraser



The white vinyl drafting eraser is essential to erasing lines without smudging or marking.

Triangular Scale: Metric (1:100/50/20)



There are many types of scales with various calibrations that you will rely upon in your coursework and practice. The metric scale required to be purchased – which includes 1:20, 1:50 and 1:100 scales - is the most commonly-used scale. (Note that scales are proportional and that 1:1, 1:10 and 1:100 scales are really the same – we'll discuss this further in Studio.)

Circle Drawing Template



Architectural drawing templates come in many forms. The circle template is a sheet of semi-rigid plastic with tiny-to-medium-sized circles cut in it.

Adjustable Triangle



You may already have some 'fixed' triangles (aka set squares) from previous drafting courses. You are required to purchase an adjustable triangle. This triangle allows flexibility for drawing angles beyond the more standard 30, 45 60 or 90 degrees.

Drafting Tape



The roll of 3/4" wide drafting tape will be used to hold your drawings down on your board. You will go through quite a bit of this.



Sketchbooks

Sketchbooks are an essential tool for recording, organizing and manipulating ideas in progress. Copious and constant physical drawing will be fundamental to your education in the program.

The sketchbook itself can take many forms – the essential features being that it be large enough (to draw reasonably-sized sketches with notes), be portable and have durable cover.

Wire-bound sketchbooks - of the size suggested in your list - are inexpensive and easiest to use because you can fold them in half, or lay them flat.

Black Ink Sketching Pens



These are disposable black ink sketching pens, for quick and loose drawing of ideas in progress.

A wide-nib felt-tipped pen is best.

Paper(s)

Sketch Paper



One roll of sketch paper is required on the list. This is a thin tracing paper that comes in rolls and is known variously as trace, sketch, or flimsy. Because it is inexpensive, it is used in great quantities to sketch out ideas quickly. Its translucent quality allows you to overlay one sketch over another to develop work.

Vellum



Sheets of 18" x 24" plain vellum drawing paper (without title blocks or borders) will be required in your project work. This is higher quality tracing paper used for final drawings. Some locations have individual sheets; other locations sell as pads with multiple sheets.

Model Making and Presentation Supplies

Cutting Knife



The list requires you to purchase a cutting knife. This is a very sharp knife for a variety of uses, with quick and cheap replacement blades. The listed knife and replacement blades are a sturdy and safe option.

Metal Ruler



The 12" metal ruler is used for trimming paper and for model building. The listed one comes with a layer of cork on the underside – very important to prevent slipping.

Glue



White glue will be essential for model-building. The suggested glue (Weldbond) sets quickly and dries clear.

Tape Measure



The tape measure should be of a durable quality: retractable, with both metric and imperial markings, a locking clamp, metal case and at least 5m or 20ft long.

Model Materials

Model-making can use a variety of more rigid sheet goods. We will be discussing options of what and where to purchase these as the year progresses. For the time being, we suggest that you budget for an expenditure of approximately \$200 to cover model-making supplies.

RECOMMENDED SUPPLIES

The previous information described the Required Supplies used for your work in the Foundation Module and first year of the program.

The following is a brief outline of some other Recommended Items that would be very helpful to bring if you already have them.

Camera

A camera is a fundamental tool of documentation and will be useful to you throughout the duration of the program and your career. Beyond your cell-phone, if you already have a digital camera, it will be useful.

Art Supplies

Don't buy anything new yet, but be sure to pull together material that you now have which could possibly be considered as general art supplies.

EQUIPMENT PROVIDED BY THE PROGRAM

In terms of larger drawing equipment, you are not required to purchase a drafting board or a parallel rule. The program will provide students with the following larger equipment:

Drafting Board with Parallel Rule (Straight Edge) (first-year students)

You will each sign out a 36" wide adjustable drawing board equipped with a parallel rule, for use within the Foundation Module and First Year Studios. You will have access to this equipment throughout the duration of the first-year curriculum, and will return in good state at the end of your first-year coursework.

Getting and Spending

College Bookstore

Many of the Required Supplies are available for purchase through the Conestoga online Bookstore. They can be added to an order of other items (i.e. if you are also purchasing books) and will be shipped to your home.

Some on-line investigation in your local area will give you other sources for Artists / Drafting / Architecture Materials and Supplies. A search by the name of the particular item can also be helpful. Check out their websites at specific locations for stocked items and delivery/pick-up options and related costs.

The following are some stores that are commonly located in many geographic areas:

Curry's

(London / Waterloo / Barrie / Hamilton / Toronto / Mississauga / Markham / Whitby)
note: Curry's carries a range of drafting supplies, sketchbooks, vellum

Michael's

(many locations)
note: Michael's has some drafting tools and a range of board materials

Staples and Walmart

(many locations)
note: These stores carry a number of drafting supplies.

The following are stores that are more geographically specific:

Wyndham Art Supplies

(Guelph)
note: Wyndham Art has tracing paper, a good range of sketchbooks, some drafting supplies and board materials

Above Ground Art Supplies

(Toronto)
note: Above Ground carries some drafting supplies, sketchbooks and board material