



Conestoga College Institute of Technology and Advanced Learning

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

2024 PROGRAM SUPPLIES

The following is a list of required supplies you will need to acquire for your work in the Foundation Module Program Project and first year of the program.

You may have these items in your previous academic work or extra-curricular activities. 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.

Following the list is a Primer that describes some of the required items in a bit more detail. Sample images are included to help you visualize the items.

LIST OF REQUIRED SUPPLIES

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|---|--|
| Required Supplies | Available for purchase at Conestoga College Bookstore <i>Some currently in stock – all will be available by August.</i> |
| Architectural drafting pencil / Lead holder for 2 mm leads | Item #: 780 BK |
| Lead Pointer for 2mm leads | Item #: 502 BK |
| 2 mm leads – range: (1) 2H lead and (2) H lead | Item #: AAH (H lead) Item #: AAL2H (2H lead) |
| Erasing Shield | Item #: 529 50 BK |
| White Drafting Eraser | Item #: 526-50 |
| Triangular Scale: Metric (1:100/50/20) | Item #: 987 18-1 |
| Circle drawing template | Item #: 977 110 |
| Adjustable Triangle | Item #: 964 51-8 |
| Drafting tape - one roll | Item #: SHU671372 |
| Sketch Books (buy 2): 8"x 11" or 9"x12", wire-bound | Item #: C9004W |
| Black Ink Sketching Pens: felt-tipped, suitable for loose, quick drawing | Item #: 308 07-9 |
| Roll of Sketch/Tracing paper (12" wide/50yd roll) | Item #: 937S 1250R – available at Doon store only |
| Large Sheets of plain vellum paper – no title block (18"x 24") | Item #: PAC1824C – available at Doon store only |
| Olfa Ratchet Lock Utility Olfa 18mm Snap-Off Blade 10/pk | Item #: L-1 – Knife Item #: LB-10B – Blade |
| Metal ruler – 12" with cork underside | Item #: S632 |
| White glue (suggested: Weldbond) | Item #: WELD420 |
| Tape measure – Metric (5m/20ft min.) with durable case | Item #: H-2494 |
| Model materials (Don't purchase yet. You will acquire when needed in project work.) | |
| | Notes: All items may be purchased online. Free shipping for all EXCEPT vellum and Roll of Sketch paper, or choose pick-up option at Doon Bookstore. |

PRIMER

Drafting/Drawing Supplies

Architectural Drafting Pencil / Lead Holder for 2mm Leads, Lead Pointer and 2mm 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 to create crisp line work.

A 2 mm drafting pencil (aka lead holder) and a sampling of 2mm leads of different density including - 2H and H - 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. 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 metric 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. However, these triangles are limited to drawing 30-, 45-, 60-, or 90-degree angles. You are required to purchase an adjustable triangle as it allows flexibility in the drawing of angles.



Drafting Tape

The roll of drafting tape will be used to hold your drawings down on your board.



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 a durable cover.

Wire-bound sketchbooks of the size suggested in your list are 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.

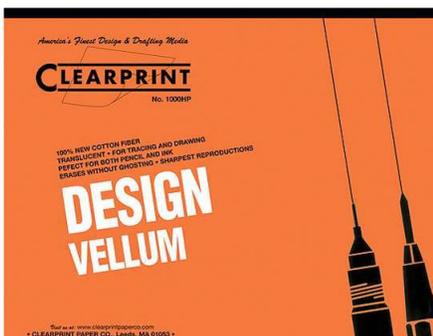
A wide-nib felt-tipped pen is best.

Paper(s)



Sketch/Tracing 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

Large sheets of plain vellum drawing paper – 18" x 24" without title blocks or borders - will be required in your project work in Foundation and first-term courses. This paper is used for final drafted drawings.

Some locations will sell individual sheets; other locations sell as pads with multiple sheets or rolls. To limit your cost, we suggest you purchase 5 (five) individual sheets to begin.

Model Making and Presentation Supplies

Cutting Knife



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

Metal Ruler



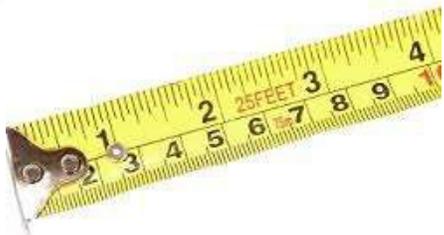
The 12" metal ruler is used for trimming paper and for model building. The listed one comes with a layer of cork on the underside – very important to prevent slipping.

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 first-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 Program Project and first year of the program.

The following is a brief outline of some other Recommended Items that would also be very helpful.

Drawing Storage Tube

A round durable tube will allow you to store and transport your on-going physical drawing work – as well as your sheets of vellum - safely and avoid damage. These tubes come in a wide range of materials and expense – from cardboard to plastic. A simple cardboard tube would suffice.

Equipment Storage Box

A storage box to hold your drafting equipment is helpful. A plastic tool/tackle box would give you an efficient way to store and organize your supplies.

Art Supplies

Don't buy anything new but be sure to gather and bring any materials 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 coursework. 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

Required supplies are available for purchase online at the Conestoga College Bookstore – subject to availability. Supplies from the Bookstore can be added to an order of other items (i.e. if you are also purchasing books).

Free shipping is available EXCEPT for the vellum sheets and roll of sketch paper.

Vellum sheets and the roll of sketch paper are easily damaged in transit. If you purchase these through the College Bookstore, you will need to pick them up at the Doon campus Bookstore.

Other Sources

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

The following are some stores that are located in a number of geographic areas:

Curry's (many locations)

note: Curry's typically carries a range of drafting supplies, rolls of sketch/tracing paper, 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 may carry drafting supplies.

The following are stores that are more geographically specific:

Wyndham Art Supplies (Guelph)

note: Wyndham Art typically carries rolls of sketch/tracing paper, a good range of sketchbooks, some drafting supplies, and board materials.

Above Ground Art Supplies (Toronto)

note: Above Ground typically stocks some drafting supplies, sketchbooks, and board materials.