

STUDIO TOOLS + SUPPLIES

Below is a list of tools and supplies that are recommended for the courses: Arch 121/122 (Visual Communications I/II) and Arch 131s/132 [Basic Design Studio I/II]. For more information, see also Francis D.K. Ching, *Design Drawing*. Chapter one describes and illustrates each drafting tool. This is a list of basic supplies that each student should possess in order to begin studio. By no means does this represent all of the supplies you will be required to purchase during the first year, but these basics will serve you well into your career. For each of these items you will find a wide range of brands, types, costs and levels of quality. To help you make your decisions, we have tried to be as specific as possible and at times have recommended particular brand names. There is no need to have all of these items on the first day of class. This list will be reviewed and discussed during the first week of classes in order to clarify each tool's use and answer any questions. All of these items are available in State College and can be purchased here when you are certain of what you need. You can also find these items online or at art and craft supply stores. The items marked with an are absolutely necessary and should be acquired during the first week of classes. The remaining items marked with a are less critical and can wait until needed. Good luck!

- drafting supplies:
- architect's triangular scale
 - engineer's triangular scale
 - metric scale
 - bow compass w/ extension bar
 - 12" adjustable triangle -- transparent acrylic -- inking edge
 - 30°/60°/90° triangle
 - 45° triangle
 - 42" or 48" parallel rule -- Mayline (preferred) or Staedtler
 - drafting tape (not masking tape!)
 - pencil eraser
 - ink eraser
 - erasing shield
 - drafting brush
 - circle template
 - french curves and/or flexible curve
 - erasing dust pouch
 - Vyco (Alvin brand) vinyl board cover 42"X60"
- cutting tools:
- x-acto knife w/ No. 11 replacement blades (100 pack recommended)
 - utility knife w/ replacement blades
 - scissors or shears
 - 18" or 24" metal straight edge w/ cork backing
 - 36" metal straight edge -- heavy, thick and wide
 - synthetic cutting surface aka self healing cutting mat
- pencils, pens and sharpeners:
- standard lead holder aka clutch pencils
 - standard drawing leads -- (2H, HB, 2b)
 - lead pointer -- hand held
 - wood encased pencils (HB, 2B, 4B, 6B)
 - standard felt tip pens -- black (pentel, berol, flair, pilot brands)
 - large art markers - (faber-castell and berol prisma color brands)
 - pencil pouch or case
 - technical pens - beginner's set (koh-i-noor, rapidograph, staedtler mars or alvin brands)
 - technical pens cleaner kit
 - color pencils - prisma color brand is recommended
 - standard pencil sharpener
 - sand paper pad - specific to sharpening compass leads

- paper:
- bound sketchbook/ unlined journal
 - 18"X24" large drawing/ sketching pad
 - 9"X12" small drawing/ sketching pad
 - 12" or 21" tracing paper rolls aka "bumwad" - (buff or white)
- adhesives:
- tacky glue
 - rubber cement -- all purpose, clear (not contractor's contact cement)
 - creppe rubber cement pick-up
- NOTE: hot glue guns are discouraged!!!
- general supplies:
- equipment box a.k.a. tool box -- storage drawer is 17"WX19"DX9"H
 - push pins or T-shaped pins - 100 ct. box (no multi-colored push pins)
 - safety glasses or goggles
 - tweezers
 - straight pins
 - rubber bands
 - paper clips
 - transparent tape
 - calculator
 - tape measure 100'
 - compass
 - soft rags
 - toothpicks

not essential - but always good stuff to have on hand:

- screws and brad nails
- surface cleaning fluid for tools (ie Glass Plus)
- electric eraser
- screwdrivers (Philips + flat)
- miter saw + miter box (model making size)
- dremel kit
- glass cutter
- steel wool
- wood putty
- work gloves
- hammer
- cordless drill
- asst. sandpaper for wood
- set of pliers -- (especially needle nose pliers)
- work boots -- (a definite for spring semester!)