

INTRODUCTION


Attached is a list of tools and supplies that are recommended for the courses: Arch 121/122 (Visual Communications) and Arch 131/132 (Basic Design & Research). For more information, see also required text by Francis D.K. Ching, *Architectural Graphics, Fourth Edition*, (ISBN 0-471-20906-6). 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.













Prices range widely from store to store, therefore shop around. Due to the captured market and limited competition, the stores in State College all tend to be more expensive; so it might be worth a trip into Philadelphia or Pittsburgh to visit stores that serve a larger market and therefore have more competitive prices. You can also find these items online.

The items marked with a  are absolutely necessary and should be acquired immediately. The remaining items are less critical and can wait until needed.




Good luck!

STUDIO TOOLS + SUPPLIES

drafting supplies:

-  architect's triangular scale
-  engineer's triangular scale
-  bow compass w/ pen attachment and extension bar **6"**
- drafting triangles - transparent acrylic - inking edge
-  adjustable triangle **8"-10"**
-  30/60/90 triangle **8"-12"**
-  45 triangle **8"-12"**
- parallel rule or t-square - provided (used) by department
-  drafting tape (not masking tape!) **1/2"**
-  pencil eraser + ink eraser
-  erasing shield
-  drafting brush
-  circle template
- french curves
-  desk lamp

cutting tools:

-  x-acto knife w/ replacement blades **NO. 11**
-  utility knife w/ replacement blades
- scissors or shears
-  metal straight edge w/ cork backing **12"**
- metal straight edge - heavy, thick and wide **36"**
- synthetic cutting surface aka self healing cutting mat

STUDIO TOOLS + SUPPLIES

pencils, pens and sharpeners:

- standard lead holder aka clutch pencils (2)
- standard drawing leads **4H, 2H, H, HB, NON-PHOTO BLUE**
- lead pointer - hand held
- wood encased pencils **H, HB, 2B, 4B, 6B**
- color pencils - prisma color brand is recommended
- standard pencil sharpener
- sand paper pad - specific to sharpening compass leads
- standard felt tip pens - black (pentel, berol, flair, pilot brands)
- large art markers - (faber-castell and berol prismacolor brands)
- pencil pouch or case
- technical pens - beginner's set (koh-i-noor rapidograph, staedtler mars and alvin brands)
- technical pens cleaner kit

paper:

- large drawing/ sketching pad - removeable sheets **14X17 OR 18X24**
- small drawing/ sketching pad - removeable sheets (not spiral) **8-1/2X11 OR 9X12**
- bound sketchbook/ unlined journal
- tracing paper rolls aka "bumwad" - (buff or white) **12" + 24"**

adhesives:

- white glue - (elmer's brand)
- rubber cement - all purpose, clear
- creppe rubber cement pick-up
- NOTE: hot glue guns are discouraged

STUDIO TOOLS + SUPPLIES

general supplies:



equipment box aka tool box - lockers are only 9" wide by 12" deep



combination lock



push pins - 100 ct. box

safety glasses or goggles

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

pocketknife

hammer

toothpicks

cordless drill + bit set

tweezers

screwdrivers (Philips + flat)

stright pins

miter saw + miter box

rubber bands

dremel kit

paper clips

fast drying sandable lacquer primer

transparent tape

glass cutter

burnisher

hack saw

calculator

jigsaw

tape measure

steel wool

small box (screws, nails, brads)

asst. sandpaper for wood

soft rags

wood putty

cleaning fluids for tools

set of plyers

band-aids with antibiotic ointment

woork gloves

desk fan

work boots

LOCAL RETAIL SUPPLIERS

art and drafting supply stores:

Michael's Arts & Crafts
44 Colonnade Way 814-867-1956



Penn State Bookstore
Bookstore Building 814-863-0205



Uncle Eli's
129 E. Beaver Avenue 814-238-1987

printing services:



Engineering Copy Center
101 Engineering Unit A 814-863-1612

Jaru Associates
542 Westerly Parkway 814-234-3705

hardware and lumber stores:

Lezzer Lumber
2350 E. College Avenue 814-237-3511



Lowe's of State College
249 Lowe's Blvd. 814-237-2100



O.W. Houts
W. College Avenue @ Buckhout St. 814-238-6701

Your Building Center
1120 E. College Avenue 814-238-4971

craft and hobby shops:



Nittany Line Hobbies
121 S. Fraser Street 814-237-7100
Lowe's Blvd. 814-235-1661

ONLINE RETAIL SUPPLIERS

art and drafting supply companies:



www.utrecht.com
www.pearlpaint.com
www.chartpak.com