

PrintED SUGGESTED EQUIPMENT LIST (As of 1-10)

Although PrintED does not **require** a classroom have specific equipment and software, a **suggested** list of equipment and software has been developed. The final determination as to equipment and software should be based on input from the program's Advisory Committee members and the program instructor(s).

Advertising & Design

Suggested Equipment
Matte cutter
Self-healing cutting mats
Light tables or light boxes
Spray adhesive area/booth
Reference journals (<i>Communication Arts, Print, ID, etc.</i>)
Professional quality art supplies: Prismacolor markers and colored pencils, metal rulers, layout paper, tracing paper, illustration board, matte board, color wheels, proportion wheel, x-acto knives, etc.
Suggested Software
Page layout package (Adobe CS InDesign and/or QuarkXPress) *
Image editing (Adobe CS PhotoShop)
Drawing/Illustration* (Adobe CS Illustrator)
Word processing*
Font utilities* (font book is included on Mac)
PDF editing/creating* (Adobe CS Acrobat – not Reader)
Apple Remote
ExamView

Binding & Finishing

Suggested Equipment
Tabletop folder with perforation and score attachment (air feed if folding coated stocks)
Paper drill
Padding press
Shrink-wrap machine
Collator/stitcher/folder/trimmer (or booklet maker)
Stitcher for saddle binding (single or dual head)
Small paper cutter (at least 26 in. with safety beams)
Suggested Software
ExamView

Digital File Output

Suggested Equipment
Wide-format Inkjet (proofing and output)
Densitometer/photo spectrophotometer
Tabletop rotary paper cutter
Computer to Plate system
Color proofing system
Suggested Software
ExamView

Digital File Preparation

Suggested Equipment
Computer workstations – 1 per student
Instructor workstation (including a computer projector for class lecture/demonstrations) – 1 per instructor
Computer Platforms (Mac and/or PC) and Configurations*
External storage/removable media (portable hard drive, flash drive, etc.)
B/W laser printer
Color ink jet printer and/or color laser printer
Digital camera – 8 mega pixel or greater
Color scanner (reflective or reflective/transmission)
Graphics Tablet (1 per student, if possible)
CD/DVD burner availability
Computer projector and screen
Suggested Software
Page layout package (Adobe CS InDesign and/or QuarkXPress) *
Image editing (Adobe CS PhotoShop)
Drawing/Illustration* (Adobe CS Illustrator)
Word processing*
Font utilities* (font book is included on Mac)
PDF editing/creating* (Adobe CS Acrobat – not Reader)
Apple Remote
ExamView

Digital Production Printing

Suggested Equipment
RIP
Minimum: Internal RIP with a viewable job queue
Preferred: Stand alone (unbustled) running Windows or Mac with viewable screen
Engine
Color engine: 50 pages per minute or faster
Monochromatic engine: 100 pages per minute or faster
Finishing Equipment (In-Line or Near Line)
Minimum: Stack, Offset Stack, Stitch
Preferred: Stack, Offset Stack Stitch, Fold, Booklet, Trim, Punch
PC or Mac-Based Workstation or Laptop (for each group of students)
Suggested Software
Adobe Acrobat 7.0 or better
Print Shop Mail from Atlas
Fusion Pro from Printable
Adobe Creative Suite 3 (Adobe Illustrator, Adobe InDesign, Adobe Photoshop, and Adobe Acrobat)
ExamView

Offset Press Operations

Suggested Equipment
Offset duplicator, at least 11x17 format with second color head (T-head)
Offset duplicator with direct feed and Offset duplicator with register board (One should have second color head)
Offset Press/Duplicator – 2 color
Digital Duplicator (i.e. RisoGraph, Duplo with computer interface)
Fireproof storage for press wash and solvents
Suggested Software
ExamView

Screen Printing Technology

Suggested Equipment
Vellum paper
Plastic spray/toner
Microgrit
Dawn liquid detergent/degreaser
Emulsion
Scoop coater: 16 inches
Light table
Exposure unit (fluorescent tubes)
Wash-out booth
Screens AA Screen (20 x 24 wooden)
Screens – AA Screen (20 x 24 aluminum)
Pressure washer – Harbor Tools (Karcher)
Industry standard pressure washer – Hydro Engineering
Screen filler/blockout
Masking tape
Chemical resistant tape
1/C screen printing press
4/c – 1 station
4/c – 4 station
6/c – 6 station
Hinges/Hinge clamps
Water-based ink
Plastisol ink
Spatulas
Squeegee
Spray adhesive
Screen opener
Flash unit
Dryer
Screen wash for plastisol
ER-35 stencil remover
Haze remover
Pellons (14 x 16)
Spot cleaning gun
Temperature heat gun
Spot cleaning chemical
Pallet tape
Suggested Software
ExamView