

GRAPHIC COMMUNICATIONS SUGGESTED EQUIPMENT LIST

Below is a **suggested** list of equipment and software for Graphic Communications. 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</i> , etc.)
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
iMac or Macbook (1 for each student)
Page layout package (Adobe Creative Cloud InDesign)*
Image editing (Adobe Creative Cloud PhotoShop)
Drawing/Illustration* (Adobe Creative Cloud Illustrator)
Word processing*
Font utilities* (font book is included on Mac)
PDF editing/creating* (Adobe Creative Cloud 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)
Perfect Binding machine
Comb Binding machine
Spiral Binding machine
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
PC or Mac-Based Workstation or Laptop (1 for each 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 11x17 (tabloid) capabilities
Color ink jet printer and/or color laser printer 11x17 (tabloid) capabilities
SLR Digital Camera (i.e. Nikon, Cannon, etc)
Lenses for SLR Camera – Telephoto, Wide Angle, other industry standard lenses
Digital camera – 8 mega pixel or greater
Color scanner (reflective or reflective/transmission)
Wacom Intuos Pro Creative Pen Tablet (1 per student)
iPad Pro with Apple pencil (1 per instructor)
CD/DVD burner availability
Monitor Color Calibration Software
Computer projector and screen
Suggested Software
Page layout package (Adobe Creative Cloud InDesign) *
Image editing (Adobe Creative Cloud PhotoShop)
Drawing/Illustration* (Adobe Creative Cloud Illustrator)
Image Organizer for Photography (Adobe Creative Cloud Lightroom)
Word processing*
Font utilities* (font book is included on Mac)
PDF editing/creating* (Adobe Creative Cloud 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
Suggested Software
Adobe Acrobat 7.0 or better
Print Shop Mail from Atlas
Fusion Pro from Printable
Adobe Creative Suite (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/film
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) and/or (20 x 24 aluminum)
Dip Tank
Pressure washer
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/Pallet Glue
Screen opener
Flash unit
Dryer
Screen Drying Cabinet
Screen wash for plastisol
Haze remover
Pellons (14 x 16)/t-shirt test tubes
Spot cleaning gun
Temperature heat gun
Spot cleaning chemical
Pallet tape
Suggested Software
ExamView

Flexography

Suggested Equipment
7" Printing Press
Densitometer
Spectrophotometer
Film Output Device
Plate Mounter
Plate Maker
Zahn Cup
Plate Cutter
Cutting Mat
pH meter
Measuring scale (for ink mixing)
Anilox Rolls

Plate Cylinders
Dies
Bearings
Spacers
Plate Pin
Plate Rod
Plate Clamp
Micrometer
Rubber Roll/Fountain Roll
Safety Glass
Suggested Software
Page layout package (Adobe Creative Cloud InDesign) *
Image Editing (Adobe Creative Cloud PhotoShop)
Drawing/Illustration* (Adobe Creative Cloud Illustrator)
Word processing*
Font utilities* (Font Book is included on all Macs)
PDF editing/creating* (Adobe Creative Cloud Acrobat Pro – not Reader)
Apple Remote Desktop

Specialty Printing Processes

Suggested Equipment
Laminator
At least 24 inch with lamination material
Dye Sublimation
Sublimation InkJet Printer, at least 11x17
Heat Press, at least 11x17
Mug Press
Sublimation Ink
Spray Adhesive
Heat Tape
Laser Engraving
At least a 60 watt laser engraver with software
Dedicated computer (Mac or PC)
Blank materials to engrave wood, acrylic, etc
Plotting & Sign Making
Vinyl Cutter, at least 24 inches
X-acto knives
Squeegees
Weeding picks
Pallet Tape
Rolled vinyl
Embroidery
Direct-to-Garment Printer
Suggested Software
Page layout package (Adobe Creative Cloud InDesign) *
Image Editing (Adobe Creative Cloud PhotoShop)
Drawing/Illustration* (Adobe Creative Cloud Illustrator)
Word processing*
Font utilities* (Font Book is included on all Macs)
PDF editing/creating* (Adobe Creative Cloud Acrobat Pro – not Reader)
Vinyl Cutting software; LXI (PC), Create Space (Mac)
Apple Remote Desktop