

## BACHELOR OF FINE ARTS: FURNITURE DESIGN

This document highlights skills and tools that students in this major may develop proficiency in throughout their studies. This list serves only as an overview of skills and tools relevant to the major, and it may not reflect all applicable skills and abilities developed by each individual by the time of graduation.

### SKILLS:

- 3D Modeling
- Adhesive Application
- Anthropometrics
- Carpentry
- Computer Rendering
- Conceptualization
- Digital Fabrication
- Electrical Wiring
- Epoxy Resins
- Ergonomics
- Fabrication  
(Plastic/Metal/Wood/Foam/Plaster/  
Castables/Glass/Stone/Fiberglass/  
Carbon Fiber/Solid Surface/Textiles)
- Full-Scale Prototyping
- Gel Coats
- Hand/Machine Shaping
- Injection Molding
- Installation/Deinstallation
- Lighting Concepts
- Metalworking
- Model Making
- Mold Making
- Plasma Cutting
- Presentation Techniques
- Rapid Prototyping
- Sealing/Finishing
- Sewing
- Sculptural Construction
- Soft Sculpture
- Staining/Painting
- Traditional Construction
- Upholstery
- Vacuum Bagging
- Weaving
- Welding/Soldering
- Woodworking

### PROGRAM-SPECIFIC SOFTWARE:

- After Effects
- AutoCAD
- Cut3D
- formZ Pro
- Illustrator
- InDesign
- Photoshop
- Rhino 3D
- VCarve Pro

### EQUIPMENT:

- 3D Laser Scanners/Cutters
- 3D Printers
- CNC Router Systems
- Floor Machinery
- Hand Tools
- Industrial Sewing Machines
- Lathes/Mills
- MIG/TIG Welders
- Plastic Rapid Prototyper
- Power Tools
- Sergers
- Straight Stitch Juki

### GENERAL SOFTWARE:

- Google Suite
- Microsoft Office Suite

## CAREER DEVELOPMENT RESOURCES:

Opportunities for internships, full-time and part-time employment, and work studies are posted on Handshake. All current students and alumni have access to view and apply for these opportunities. New opportunities are posted frequently. Handshake also offers links to internship and employment resources, career development resources, and the option to submit your resume for critique and review. Students and/or alumni are welcome to contact Career Development for one-on-one employment assistance.

- Career and degree/major exploration
- Career development: resumes, cover letters, interviewing skills, professionalism, networking, and informational and mock interviews
- Internship preparation, application, and registration
- Job and internship search strategies
- Job and internship listings and networking contacts
- Employer connections and mentorship

Becky Bates  
Director of Career Development  
[bbates268@mcad.edu](mailto:bbates268@mcad.edu)  
612.874.3721

Sam Wencil  
Senior Advisor  
[swencil@mcad.edu](mailto:swencil@mcad.edu)  
612.874.3840

Tauby Mintz  
Coordinator  
[tmintz@mcad.edu](mailto:tmintz@mcad.edu)  
612.874.3721