

## BACHELOR OF FINE ARTS: PRODUCT 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 Printing
- CAD/3D Modeling
- CNC Machining
- Colors/Materials/Finishes
- Ethnography/Design Research
- Finishing Processes
- Form Development/Refinement
- Hand/Digital Rendering
- Haptics
- Human Factors/Ergonomics
- Kinetics
- Manual Design Drawing/Sketching
- Manufacturing Processes
- Metal Casting
- Metalworking
- MIG/TIG/Gas Welding
- Pattern-Making/Sewing
- Product Photography
- Production Documentation
- Prototyping
- Sheet Metal Forming
- Sketch Modeling
- Sound Design
- Technical Drawing
- Tube/Rod Cold Forming
- UI/UX Design

### GENERAL SOFTWARE:

- Google Suite
- Microsoft Office Suite

### PROGRAM-SPECIFIC SOFTWARE:

- Keyshot
- Solidworks

### EQUIPMENT/MATERIALS:

- 3D Laser Scanner
- 3D Printers
- Articulating Mechanisms
- Cardboard/Foam-Core/Other Sheet/Board Materials
- CNC Machinery
- Electronics (Arduino)
- Fasteners
- Finishes
- Foam
- Hot Wire Foam Cutter
- Industrial Ceramics
- Industrial/Consumer Sewing Machines
- Laser Cutter/Engraver
- Metals
- MIG/TIG/Gas Welders
- Modeling Compounds (Wax/Oil-Clay)
- Mold-Making Materials
- Plastics/Composites/Resins
- Pneumatic Spray Guns
- Saws (Band/Table/Miter)
- Sheet Bender
- Textiles
- Thermoformer
- Wood/Composites
- Woodworking Tools (Hand/Power)

## 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