

BACHELOR OF FINE ARTS: PRODUCT DESIGN

These are skills and software that Product Design majors may encounter and gain proficiency in during their studies. Skills and software listed may not apply to all students.

SKILLS:

- Drawing/Sketching
- Sketch Modeling
- Prototyping
- Form Development/Refinement
- CAD/3D Modeling
- Hand/Digital Rendering
- Human Factors/Ergonomics
- Manufacturing Processes
- Technical Drawing
- Communication Methods
- Ethnography/Design Research
- Finishing Processes
- Colors/Materials/Finishes
- UI/UX Design
- 3D Printing
- MIG/TIG/Gas Welding
- Metalworking
- CNC Machining
- Haptics
- Metal Casting
- Sheet Metal Forming
- Tube/Rod Cold Forming
- Kinetics
- Sound Design
- Product Photography

GENERAL SOFTWARE:

- Google Suite
- Linux
- Mac OS X
- Microsoft Office Suite
- Windows OS

PROGRAM-SPECIFIC SOFTWARE:

- Solidworks
- Keyshot

EQUIPMENT/MATERIALS:

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

CAREER DEVELOPMENT RESOURCES:

Opportunities for internships, employment, work studies, freelancing, and calls for art are posted on mcadcareerdevelopment.com. All current students and alumni have access to view and apply for these opportunities. New opportunities are posted frequently. The Career Development site 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 register with Career Development for one-on-one employment assistance.

- Career and degree/major exploration
- Career development: resumes, cover letters, interview skills, professionalism, networking, and informational interviews
- Internship preparation, application, and registration
- Job and internship search strategies
- Job and internship listings and networking contacts
- Employer and alumni connections and mentorship
- Visit us at <https://mcad.edu/facilities-and-services/career-development>

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