

**MINNEAPOLIS
COLLEGE of ART and DESIGN**

**BACHELOR OF FINE ARTS: FINE ARTS - SCULPTURE AND EXPANDED
MEDIA CONCENTRATION**

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/Printing
- Assemblage
- Carpentry
- Concept Design
- Conceptual Diagramming
- Control Systems
- Documentation
- Electric Art
- Electrical Wiring
- Engraving
- Fabrication
(Plastic/Metal/Wood/Foam/Plaster/
Castables/Glass/Stone/Fiberglass/
Carbon Fiber/Solid Surface/Textiles)
- Flexible Mold Casting
- Furniture Design/Construction
- Hot/Cold Plastic Techniques
- Installation/Environmental Art
- Interactive/Experimental Techniques
- Interventionist Strategies
- Kinetic Sculpture
- Laser Cutting
- Lathe/Mill Machining
- Logistics
- Maquettes
- Metal/Plastic Casting
- Metalworking (Cutting/Forming/Welding)
- Mold Making
- Organic/Mechanized Motion Systems
- Patinas
- Performance Art
- Photo-Collage
- Presentation/Design Drawings
- Presentation Techniques
- Public Actions/Guerilla Works
- Public Presentations
- Rapid Prototyping
- RFPs/RFQs
- Scale-Model Building
- Sealing/Finishing
- Site Planning
- Shop Drawings
- Soft Sculpture
- Transcriptions
- Vacuum Forming
- Wood Carving
- Woodworking (Joinery/Forming/Turning)

PROGRAM-SPECIFIC SOFTWARE:

- AfterEffects
- Auto CAD
- Cut 3D
- formZ Pro
- Rhino 3D
- VCarve Pro

EQUIPMENT:

- 3D Laser Scanners/Cutters
- 3D Printers
- CNC Router Systems
- Hand Tools
- Industrial Sewing Machine
- 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

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