



## Facilities

In our state-of-the-art facilities, you'll develop your voice as an artist while building your understanding of how technology and traditional media work together in the modern studio.

As a student in the Department of Art and Design, you'll have direct and personal access to our world-class art making facilities. We support traditional modes of art making as well as offering access the latest technologies available. Because of this, we are constantly updating our equipment with goal of helping you create compelling contemporary works in the ever-expanding field of art.

### Animation

#### Dedicated Animation Lab:

Animation at Central Michigan University combines traditional animation tools along-side advanced digital technology. Our dedicated animation computer lab is outfitted with powerful double-monitor workstations which include 27" iMac computers and Wacom Cintiqs for on-screen digital drawing, sculpting and animation. Each workstation is fully loaded with industry grade softwares to support a variety of animation workflows including 2D motion graphics, 3D animation and tradigital animation (a combination of traditional drawing and digital production tools).

#### Traditional Media Animation Labs:

Our traditional media animation labs are designed for playful exploration in a variety of analogue media such as clay, paper cut-out and even sand animation. Each workstation is outfitted with a professional DSLR camera, iMac computer and industry grade software for capturing and processing frame-by-frame animation.

### Ceramics

The ceramics studio is comprised of a large hand-building and throwing area, glaze mixing room, clay mixing room, indoor kiln room, and outdoor kiln yard.

#### The ceramics facilities include:

- Clay mixers
- Electric and manual throwing wheels
- Clay extruders
- Slab rollers
- Spray booths
- Balances and scales
- Ball mill
- Talisman
- Top-of-the-line large capacity electric, gas, raku, soda vapor, and wood fire kilns

Students also have access to a range of 3D printers, a vacuum former, and a CNC router for the creation of their work.



## Graphic Design

Three state of the art computer labs are equipped with up to date software, scanners, and printers, access to large format printing, and small print studio that includes a variety bindery equipment. Also, supportive to the graphic design program are digital output facilities which include our Makerbot Innovation Center, Laser Cutter, and Robotic CNC Plasma Cutter. Analog processes include a 1961 Vandercook UNI-1 flatbed single-pass self-inking proofing press that can be used for both letterpress typography and wood/lino block printmaking.

## Painting and Drawing

Facilities include 4 open-air studios for classroom instruction of life-drawing, still life, basic and intermediate level painting techniques, and include multimedia resources for slide presentations and the integration of digital technologies. Each student is provided a locker for material storage and BFA students are assigned individual workspace for the development of their projects.

## Photography

Facilities include two photography studios with a full compliment of lighting equipment, a 21-seat computer lab with up-to-date photo editing software, a traditional darkroom, and a dedicated digital print lab with a range of medium and large format printing capabilities.

## Printmaking

Traditional printmaking instruction includes screen printing, relief, mono-type, intaglio (traditional etching/ImagOn), lithography (photo/stone/plate), and alternative processes.

Facilities include an open studio work environment, multiple sized and numbered lithography stones, lithography press, large format etching presses, extensive screen printing materials and equipment, and Nu-arc exposure units.

## Sculpture

Sculpture at CMU includes traditional and contemporary facilities for the creation of sculpture in the expanded field. Everything from clay modeling to fabrication are supported. These facilities are primarily located in the North Art Studio, as well as various resources in Wightman Hall.

The sculpture facilities include:

### Professional Wood Shop:

- SawStop Table Saw
- Helix Planer
- Helix Jointer
- Multiple Drill Presses
- 2 Full-Size Band Saws
- Scroll Saw,
- Two sliding 12" Compound Miter Saws
- Belt and disc sanders
- Power hand tools
- Manual tools
- Clamps



## Professional Metal Shop:

- 4 MIG Welders
- 3 TIG Welders
- Plasma Cutter
- Oxygen-Acetylene Welding/Cutting
- Large Sheet Metal Bending Brake
- Hydraulic Sheet Metal Shear
- Band Saw
- Beverly Shear
- Finishing Wheel
- Sandblasting Cabinet
- Bench Grinder
- Drill Press
- Metal Cut-Off Saw
- Horizontal Hydraulic Band Saw
- Bar Bender
- Buffing and Polishing wheel
- Belt and Disc Sander
- Power hand tools
- Manual tools
- Clamps

## Full Bronze Foundry:

- Fully-Equipped Mold-Making & Wax Working Shop
- Ceramic Shell Investment Area,
- Burnout Kiln
- Refractory Furnace
- Metal Finishing Area (welding and chasing)
- Metal Patination Area

## Digital Fabrication Studios:

Click the link below to launch a video of Art and Design's Digital Fabrication Studios.

**DIGITAL FAB STUDIO**

- Lincoln Torchmate 4400 48"x48" Digital Robotic CNC Plasma Cutter
- Stepcraft M-1000 CNC Router with Automatic tool change

### Makerbot Innovation Center

- 25 MakerBot Replicator 5th Gen 3D Printers
- 5 large-scale Z18 Makerbot Replicators
- 1 Hi-Resolution Formlabs Form 2 SLA 3D Printer (with Ceramics print option)
- 2 Hi-Resolution Formlabs Form 3 Plus SLA 3D Printers
- 75 watt Co2 Laser Cutter Universal Laser ILS 12.75 w/24"x48" cutting bed & several Vacuum Formers