

MA IN DIGITAL DESIGN & FABRICATION

The Digital Design & Fabrication (DDF) will prepare students to utilize modern digital fabrication methods in the design and fabrication process.

Modern methods of fabrication, such as 3D printing, have changed not only how objects are designed, but have also changed what can be designed and manufactured. As modern fabrication technologies continue to advance, the worlds of design and manufacturing will change and merge into something much more seamless. Through an approach that blurs traditional boundaries between art, engineering, design, fabrication and science, the DDF program will enable students to take full advantage of advanced manufacturing and fabrication techniques. Graduates will earn the Rhinoceros CAD certification (levels 1 & 2) and Stratasys Additive Manufacturing Certification.

Admission Requirements

- One official transcript of all undergraduate and graduate work providing evidence of a baccalaureate degree in any design-related field (e.g., art, engineering, industrial design, architecture and graphic design) from an accredited institution with at least a 3.0 cumulative grade point average on a 4.0 scale
 - Undergraduate preparation should include a basic drawing course or its equivalent
- Admission Essay describing interest in the program
- Contact information for two references
- Satisfactory TOEFL or IELTS scores for students who have a non-US degree.
- Portfolio including samples of completed work. When uploading your portfolio, include a minimum of 15 images.
 - Please note that we require a minimum of 10 individual works or projects; additional detail photographs and installation documentation can be included. You may either upload videos or include external links to videos as part of your portfolio. Each work sample must be labeled with the title of work, medium, size, and date. Images can be labeled and ordered as they are uploaded. For good image quality and fast upload, we recommend jpeg images no larger than 1280 x 1280 pixels @ 72 ppi.

Application Deadlines

The MA in Digital Design & Fabrication consist of 36 credits. Students will produce/design a body of work using an array of advanced manufacturing techniques.

Code	Title	Credits
Design and Fabrication Coursework (24 Credits)		
DDF510	Computer Aided design 1	3
DDF502	Introduction to Computation for Media	3
ARH526	Studies in the History of Design	3
DDF512	Computer Aided Design 2	3
DDF555	3D Computational Design	3
DDF705	Advanced 3D Printing	3
DDF560	Introduction to Designing with Microprocessors	3
DDF701	Advanced Computer Aided Design	3
Electives (6 Credits)		

Working with their advisor, students will select 6 credits of graduate coursework in art, engineering and computer science. 6

Capstone Experience (6 Credits)

Working with their advisor, students will enroll in 6 credits of thesis or fieldwork as their culminating experience. 6

Total Credits 36

Program Requirements

Complete the prescribed course work and other requirements within seven years after matriculation. Maintain a cumulative grade point average of 3.0 or better, with no more than two grades below B-.