

Foundations 3D Printing Reminders

- Use the [Digital Lab Project Request form](#) to submit a request for your project.
- Time required to complete your project will be dependent on the complexity, size and availability of machines.
- These processes and materials are experimental, so some results may be unexpected and hard to replicate. We will do our best to work with you but shop staff are not responsible for these unexpected results.
- If any of these processes are new to you or you have any questions about your project please see shop staff.
- Get file approved by faculty
- Export your file as .stl format. Instructions for this can be found [here](#).
- Send your file to digitallab@mcad.edu. Be sure to include:
 - Your name
 - Your faculty's name
 - Type of printer you would like to use (Ultimaker vs. Advanced)
 - Color you would like your project printed in if applicable
- Cost of your 3D print is dependent on the type of printer and size of your object. Digital lab staff will contact you with a quote of the cost. This will be charged to your papercut account. Instructions for adding money to your papercut account can be found [here](#).
- File must be solid, free of holes, and watertight
- Total object size fits limitations covered by class fee
 - Ultimaker: 4" x 4" x 4"
 - Class Batch Print: 1 ½" x 1 ½" x 1 ½"
- Objects fit within the limitations of the printer
 - Ultimaker max size: 7" x 7" x 7"
- Position your object for the best possible print
 - Slicing object
 - Largest/flattest side down
 - Supports turned on
 - Sidewalk, brim or raft turned on
- Factor in extra time for finishing tasks
 - Removal of supports
 - Assembly of sliced parts
 - Sanding, Painting, etc.
- Please keep an eye on your email. Shop staff will contact you with any questions or next steps.
- Please confirm that your papercut account has enough funds for your project. Your account will be charged before it is started.
- You will receive an email when your project is ready to pick up. Completed projects will be available for pick up on the shelf next to the Digital Lab desk.