

Submitting Request for Machining for IGEN 230/330/430



Materials Engineering has a machine shop and machining technicians which support the IGEN project courses and items made for the term. In order to gain access to the services, please contact the Shop with early design ideas and to discuss options for proceeding with the work, gain approval from your 230/330/430 course instructors, and then confirm fabrication details with the MTRL shop technicians.

“Typical” pathway to submitting machining to the MTRL shops

1. Prepare initial sketches, drawings of idea
2. Contact and meet the MTRL Shop Technicians to show them your initial ideas and get advice for your project.
 1. Dave Torok, MTRL Shop Head Technician - david.torok@ubc.ca
 2. Benny Nimmervoll - bernhard.nimmervoll@ubc.ca
3. Develop your idea further in consultation with the MTRL Shop Technicians and your 230/330/430 course instructors.
4. When your group feels ready to proceed with manufacturing items:
 1. Compile your drawings and requested items into a Machine Shop Submission Package (described below)
 2. Get your 230/330/430 instructor to review and sign off on the document (in person or digitally)
 3. Contact the MTRL Shop Technicians with your signed-off drawing packages for fabrication.

Machine Shop Submission Package

Contents includes:

- Cover page signed off by course instructors
- Bill of materials
- Assembly drawing(s)
- Part drawings
 - Including part name, number, contact details of group members
- **All dimensions in inches** unless metric measurement critical (equipment in the shop are primarily imperial)
- Digitally attach CAD files as appropriate (SLDPRT, SLDASM, etc)

Updated 2022 Jan 7