

# Injection Molding of Renewable Polymers

## PROJECT DESCRIPTION

The project scope includes developing an injection molding process using a renewable polymer as well as 3D printing process. Using a polymer developed in house, we will optimize the material parameters along with manufacturing process plan development to show proof of concept injection molded parts.

The ideal candidate would have sound background in manufacturing processes, 3D printing, and solid modeling.

## FACULTY-DEPARTMENT

Engineering - Mechanical

## DESIRED FIELD OF (STUDENT) STUDY

Mechanical Engineer, Materials Engineering, Mechatronics Engineering, industrial engineering

## INTERNSHIP LOCATION

University of Alberta Main Campus - Edmonton

## NUMBER OF INTERNSHIP POSITIONS

1

## INTERNSHIP START DATE

July 4, 2018

## INTERNSHIP END DATE

3 months after start date

## ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.