Small-scale Pipeline system design

PROJECT DESCRIPTION

In this project students are expected to design a prototype of the pipeline terminals connected by the transport line. In other words, students will be given instruction and detail designs to generate mini-prototype of the pipeline which mimics current pipeline operations. In particular, receiving and dispatching tank should be design with the link to the bypassing manifold and small pump to push the fluid over small distance 2-5 m from one tank to another. The 3D printer and equipment available for aquarium design is used in the project completion.

FACULTY-DEPARTMENT

Engineering - Chemical and Materials

OPEN TO STUDENTS FROM THE FOLLOWING INSTITUTIONS

Chinese universities participating in the *Double First-Class Initiative*.

DESIRED FIELD OF STUDENT STUDY

Mechanical, Electrical, Automation, Chemical Engineering

INTERNSHIP LOCATION

Edmonton Campus

NUMBER OF INTERNSHIP POSITIONS

1

INTERNSHIP DATES

Start: July 20, 2019

End: October 20, 2019

ARE THE DATES FLEXIBLE?

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