

# ADM 202 : INTRODUCTION TO TECHNOLOGY DESIGN

This course provides an introduction to design process, 2D and 3D parametric solid modeling, and both manual and automated fabrication processes. Students will use the design process to develop parts and assemblies to machines used in commercial agriculture and industrial operations, as well as demonstrate an understanding of and use the CAD workspace and user interface. Students will also manually fabricate sheet steel parts and assemblies from developed CAD drawings, fabricate sheet steel parts and assemblies using a CNC machine from developed CAD drawings, and collaborate on the design and fabrication of a 3D assembly with emphasis on oral and written communication and accuracy of assembly components.

**Credits** 3

**Lab Hours** 1

**Theory Hours** 2