

The following learning targets represent the major concepts studied and assessed in this course.

Semester 1

Unit 1: Energy & Power:

- Mechanisms
- Simple Machines
- Gears

Unit 2: Energy Sources:

- Energy Distribution
- Electrical Circuits
- Circuit Calculations

Semester 2

Unit 3: Materials & Structures:

- Statics
- Material Properties
- Material Testing

Unit 4: Control Systems:

- Machine Control
- Fluid Power
- Design Problems