

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

Semester 1

Unit 1: Principles of Manufacturing:

- History of Manufacturing
- Control Systems
- Cost of Manufacturing

Unit 2: Manufacturing Processes:

- Design for Manufacturability
- How we make Things
- Product Development

Semester 2

Unit 3: Elements of Automation:

- Introduction to Robotic Automation
- Introduction to Automation Power
- Robotic Programming and Usage

Unit 4: Integration of Manufacturing:

- CIM Systems
- Integration of Manufacturing