

Mechanical Engineering Flowchart

Automatic control

Machines Dynamics

Machines Design 1

Machines Design 2

Design and Computer Aided Manufacturing

Lab

Machines Theory

Mechanical Vibrations

Fluid Mechanics 1

General Physics I

Statics

Dynamics

Principles of Electrical Circuits

Electrical Machines (1)

Thermodynamics 1

Strength of Materials 1

Lab

Lab

Lab

Heating and Air Conditioning

Thermodynamics 2

Lab

Internal combustion engines

Lab

Lab

Engineering Measurements

Lab

Design and control of hydraulic and pneumatic systems

Lab

Lab

Heat Transfer 1

Heat Transfer 2

Prerequisite concurrent

1 Credit Hours

2 Credit Hours

3 Credit Hours

Special Topics

Graduation Project 2

Graduation Project 1

Engineering Training

1st Year Level

2nd Year Level

3rd Year Level

4th Year Level

5th Year Level

Major Electives

Calculus I

Calculus 2 For Engineering students

Calculus (3) For Engineering students

Engineering Numerical Methods

Ordinary Differential Equations

Applied mathematics for Mechanical engineering

Solid mechanics

Technical Writing and Profession Ethics

English Language 1

General Chemistry for Engineering Students

Lab

Materials Science

Engineering Workshops

Manufacturing Processes

Lab

Engineering Drawing

Machine Drawing and Applications in Mechanical Design

Engineering Economy

Projects Management and Value Engineering

Computer Engineering Applications

Military sciences

Arabic Language 1

National education

Life Skills