

Department of Mechatronics Engineering

Graduate Attributes:

Mechatronics Engineering B.Sc. program is designed to provide the student with the foundations of the discipline as well as the opportunity for specialization.

After successfully completing Mechatronics Engineering B.Sc. program, the graduate should be able to:

1. Use of mathematics, physical science and systems analysis tools in components and system design.
2. Students will learn engineering sciences and demonstrate the application of this knowledge to electro-mechanical systems.
3. Solve problems in the areas of integrated mechanics, electronics, computers and software systems.
4. Analyze and investigate the inter-disciplinary characteristics of mechanical, electrical and hydraulic systems.
5. Graduates should have wide choices leading to specialization in mechanics, electronics, design, computer software or other areas
6. Identify, formulate and solve fundamental engineering problems.
7. Use the techniques, skills, and appropriate engineering tools, necessary for engineering practice and project management.
8. Work effectively within multi-disciplinary teams.
9. Design of all mechanical, hydraulic and electrical systems
10. Design of all control circuits of the electro-mechanical and hydraulic systems.