Study Plan M.S. in Mechatronics Engineering 2013-2014 for Single Degree Credit Hours (33 Cr.Hrs)

Program:
Master in Mechatronics Engineering with a minimum study duration of two years and credit hours requirement of (33) hours. There are 18 credit hours of compulsory coursework, 6 credit hours of elective coursework, and 9 credit hours for the thesis.

Conditions for Admission:
1. BSc degree from an accredited university with one of the following areas: Mechatronics, Electrical, Communication, Electronic, Mechanical, Industrial, or Computer Engineering.
2. A G.P.A. of "good" or above.
3. Passing national exam or TOFEL exam.
- Students who are not majoring in Mechatronics must take a maximum of three remedial courses.

A) Compulsory Courses: 18 Cr.Hrs.

Course No.	Course Title	Cr.Hr.	Learning Method
0640711	Advanced Engineering Math	3	Physical
0640721	Industrial Mechatronics and Robotic Systems	3	blended
0640722	Mechatronics Systems Modeling and Simulation	3	Physical
0640731	Advanced Control Theory	3	Physical
0640732	Advanced Measurement Systems and Sensors	3	Online
0640751	Distributed and Real-Time Embedded Systems	3	blended

B) Thesis: 9 Cr.Hrs.

Course No.	Course Title	Cr.Hr.	Prerequisite	Learning Method
0640771	Thesis (1)	6	Passing 18 Cr.Hrs	Physical
0640772	Thesis (2)	3	Thesis (1)	Online

C) Elective Courses: 6 Cr.Hrs.

Course No.	Course Title	Cr.Hr.	Learning Method
0640723	Advanced Topics in Mechatronics	3	blended
0640734	Intelligent Control Systems	3	
0640742	Advanced Programmable Logic Controller	3	
0640761	Business Planning and Strategic Management	3	
0640752	Advanced Programming	3	
0640770	Research Methodology	3	

20-04-2023