

GRADUATION CHECKLIST

To graduate, students must pass all the stated courses in this checklist. It is the responsibility of the students to ensure that all courses are taken and passed. Students who do not complete any of the course are not allowed to graduate.

NO.	CODE	COURSE	CREDIT EARNE D (JKD)	CREDIT COUNTE D (JKK)	TICK (√) IF PASSE D
MASTER OF ENGINEERING (MECHATRONICS AND AUTOMATIC CONTROL)					
SCHOOL COMPULSORY-12 CREDITS (4 COURSES)					
1	MKEM 1753	Advanced Instrumentation & Measurement	3	3	
2	MKEM 1833	Linear System Theory	3	3	
3	MKEM 1853	Discrete-Time & Computer Controlled System	3	3	
4	MKEM 1863	Design of Microprocessor-Based Mechatronic Systems	3	3	
SCHOOL ELECTIVES-12 CREDITS (4 COURSES)					
5	MKEM 1713	Artificial Intelligence	3	3	
6	MKEM 1723	Advanced Process Control	3	3	
7	MKEM 1733	Adaptive & Self Tuning Control	3	3	
8	MKEM 1743	Modeling & Simulation of Dynamical Sys.	3	3	
9	MKEM 1763	System Identification & Estimation	3	3	
10	MKEM 1773	Multivariable & Optimal Control Systems	3	3	
11	MKEM 1783	Nonlinear & Robust Control Systems	3	3	
12	MKEM 1793	Industrial Automation	3	3	
13	MKEM 1823	Advanced Robotics	3	3	
14	MKEM 1843	Advanced Digital Control	3	3	
15	MKEM 1873	Real-Time Control System Design	3	3	
16	MKEM 1883	Autonomous Mobile Robotics	3	3	
17	MKEM 1913	Mechatronic Design	3	3	
18	MKEM 1923	Sensor and Actuator	3	3	
FREE ELECTIVES FROM MKEL/MKEM/MKEP/MKET-3 CREDITS (1 COURSE)					
19	MKEx 1xxx		3	3	

MASTER'S PROJECT-10 CREDITS (2 COURSES)					
20	MKEM 1814	Research Project Proposal	4	4	
21	MKEM 1826	Research Project Report	6	6	
TOTAL CREDIT OF ELECTRICAL ENGINEERING COURSES (a)			37	37	
SCHOOL/UNIVERSITY COMPULSORY- 6 CREDITS (2 COURSES)					
22	MKEU 0013	Introduction to Research Methodology in Electrical Engineering	3	3	
23	Uxxx xxx3	Non-technical subject	3	3	
TOTAL CREDIT OF SCHOOL/UNIVERSITY COMPULSORY COURSES (b)			6	6	
TOTAL CREDIT TO GRADUATE (a + b)			43	43	