



TECHNO INDIA UNIVERSITY
WESTBENGAL

Curriculum for 3-Years Diploma in Mechanical Engineering



Department of Mechanical Engineering

**Techno India University, West Bengal
EM-4, EM Block, Sector V, Bidhannagar,
Kolkata -700091, West Bengal**



3-Years Diploma in Mechanical Engineering Course Curriculum

SEMESTER 1

S. No.	Code	Course Title	L	T	P	C
1	TIU-DMA-T101	MATHEMATICS I	4	0	0	4
2	TIU-DME-T101	MECHANICS I	4	0	0	4
3	TIU-DCH-T101	CHEMISTRY I	3	0	0	3
4	TIU-DPH-T101	PHYSICS I	3	0	0	3
5	TIU-DCH-L101	CHEMISTRY LAB	0	0	4	2
6	TIU-DPH-L103	PHYSICS LAB	0	0	4	2
7	TIU-DME-S101	TECHNICAL DRAWING	0	0	4	2
8	TIU-DEN-S101	CAREER ADVANCEMENT AND SKILL DEVELOPMENT	2	1	0	3
9	TIU-DES-S199	ENTREPRENEURSHIP SKILL DEVELOPMENT	0	2	0	2
		Total				25



SEMESTER 2

S. No.	Code	Course Title	L	T	P	C
1	TIU-DMA-T102	MATHEMATICS II	4	0	0	4
2	TIU-DCH-T102	CHEMISTRY II	3	0	0	3
3	TIU-DPH-T102	PHYSICS II	2	0	0	2
4	TIU-DCS-T104	COMPUTER FUNDAMENTALS AND PROGRAMMING TECHNIQUES	3	0	0	3
5	TIU-DEC-T102	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	4	0	0	4
6	TIU-DME-T102	MECHANICS II	3	0	3	3
7	TIU-DCS-L104	COMPUTER APPLICATION LABORATORY	0	0	2	1
8	TIU-DEC-L102	INTRODUCTION TO ELECTRICAL AND ELECTRONICS TECHNOLOGY LABORATORY	0	0	4	2
9	TIU-DME-L102	ENGINEERING WORKSHOP	0	0	4	2
10	TIU-DEN-S100	CAREER ADVANCEMENT AND SKILL DEVELOPMENT	2	1	0	3
11	TIU-DES-S198	ENTREPRENEURSHIP SKILL DEVELOPMENT	0	2	0	2
Total						29



SEMESTER 3

S. No.	Code	Course Title	L	T	P	C
1	TIU-DME-T201	MECHANICS OF MATERIALS	3	0	0	3
2	TIU-DME-T203	HEAT POWER I	3	0	0	3
3	TIU-DME-T205	MACHINE TOOL I	3	0	0	3
4	TIU-DCS-T201	PROGRAMMING IN C	3	0	0	3
5	TIU-DMB-T201	ENVIRONMENTAL ENGINEERING	3	0	0	3
6	TIU-DME-L201	MECHANICAL ENGINEERING LAB	0	0	4	2
7	TIU-DME-L203	MECHANICAL ENGINEERING WORKSHOP I	0	0	4	2
8	TIU-DCS-L201	PROGRAMMING IN C LAB	0	0	4	2
9	TIU-DME-S201	MECHANICAL ENGINEERING DRAWING	0	0	4	2
10	TIU-DEN-S201	CAREER ADVANCEMENT AND SKILL DEVELOPMENT	2	1	0	3
11	TIU-DES-S299	ENTREPRENEURSHIP SKILL DEVELOPMENT	0	2	0	2
Total						28



SEMESTER 4

S. No.	Code	Course Title	L	T	P	C
1	TIU-DME-T202	THEORY OF MACHINES & MECHANISM	4	0	0	4
2	TIU-DME-T204	ENGINEERING METROLOGY	3	0	0	3
3	TIU-DME-T206	HEAT POWER-II	4	0	0	4
4	TIU-DME-T208	MANUFACTURING PROCESSES	3	0	0	3
5	TIU-DME-T210	ENGINEERING MATERIALS	3	0	0	3
6	TIU-DME-L202	METROLOGY LAB	0	0	4	2
7	TIU-DME-L204	MECHANICAL ENGINEERING WORKSHOP II	0	0	4	2
8	TIU-DME-S202	MACHINE DRAWING & CAD	0	0	4	2
9	TIU-DEN-S200	CAREER ADVANCEMENT AND SKILL DEVELOPMENT	2	1	0	3
10	TIU-DES-S298	ENTREPRENEURSHIP SKILL DEVELOPMENT	0	2	0	2
Total						28

SEMESTER 5

S. No.	Code	Subject Name	L	T	P	C
1	TIU-DME-T301	FLUID MECHANICS AND MACHINERY	3	0	0	3
2	TIU-DME-T303	CONCEPTS OF HEAT TRANSFER	3	0	0	3
3	TIU-DME-T305	HEAT POWER III	3	0	0	3
4	TIU-DME-T307	ADVANCED MANUFACTURING PROCESSES	3	0	0	3
5	TIU-DME-E301	AUTOMOBILE ENGINEERING (ELECTIVE I)	3	0	0	3
6	TIU-DME-L301	FLUID MECHANICS AND MACHINERY LAB	0	0	4	2
7	TIU-DME-L303	HEAT TRANSFER LAB	0	0	4	2
8	TIU-DME-L305	MECHANICAL ENGINEERING WORKSHOP III	0	0	4	2
9	TIU-DME-L307	VOCATIONAL TRAINING	0	2	0	2
10	TIU-DME-S309	CAREER ADVANCEMENT AND SKILL DEVELOPMENT	2	1	0	3
11	TIU-DES-S399	ENTREPRENEURSHIP SKILL DEVELOPMENT	0	2	0	2
Total						28



SEMESTER 6

S. No.	Code	Subject Name	L	T	P	C
1	TIU-DME-T302	DESIGN OF MACHINE ELEMENTS	4	0	0	4
2	TIU-DME-T304	INDUSTRIAL MANAGEMENT	3	0	0	3
3	TIU-DME-T306	PRODUCTION MANAGEMENT	3	0	0	3
4	TIU-DME-T308	MACHINE TOOL-II	3	0	0	3
5	TIU-DME-E302	REFRIGERATION & AIR-CONDITIONING (ELECTIVE-II)	3	0	0	3
6	TIU-DME-L302	MACHINE TOOL LAB	0	0	4	2
7	TIU-DME-P398	PROJECT	-	-	-	2
8	TIU-DME-S398	GENERAL VIVA VOCE	-	-	-	2
9	TIU-DME-S300	CAREER ADVANCEMENT AND SKILL DEVELOPMENT	2	1	0	3
10	TIU-DES-S398	ENTREPRENEURSHIP SKILL DEVELOPMENT	0	2	0	2
Total						27