

Name of the M.Tech. Programme	Design Engineering
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Distribution of Total Credits

Program Core (PC)	Program Elective (PE)	Open Elective (OE)	Total Credits
45	9	6	60

Scheduling of Courses

Semester I					
S.No.	Course No.	Title	Type	L-T-P	Credits
1.	AML771	Decision Theory & Design Optimization	PC	3-0-0	3
2.	AMP772	Feasibility Study	PC	1-0-4	3
3.	AML773	Modelling & Analysis - 1	PC	3-0-0	3
4.	AML775	Design Methods	PC	3-0-0	3
5.	AMP776	Products Design - 1	PC	1-0-4	3
6.	AML710	Computer Aided Design	PC	3-0-2	4
		Total Credits			19
Semester II					
1.	AML774	Modelling & Analysis - II	PC	3-0-0	3
2.	AMP777	Products Design Project - II	PC	0-0-4	2
3.	AML883	Properties & Selection of Engg. Materials	PC	3-0-0	3
4.		Programme Elective I	PE	3-0-0	3
5.		Programme Elective II	PE	3-0-0	3
6.		Open Elective I	OE	3-0-0	3
		Total Credits			17
Semester III					
1.		Programme Elective III	PE	3-0-0	3
2.		Open Elective II	OE	3-0-0	3
3.	AMD813	Major Project Part 1	PC	0-0-12	6
		Total Credits			12
Semester IV					
1.	AMD814	Major Project Part 2	PC	0-0-24	12
		Total Credits			12

List of Program Electives

S.No.	Course No.	Title	L-T-P	Credits
1.	AML700	Experimental Methods for Solids & Fluids	3-0-2	4
2.	AML734	Advanced Dynamics	3-1-0	4
3.	AML835	Mechanics of Composite Materials	3-0-0	3
4.	AML852	Engineering Failure Analysis & Prevention	3-0-0	3
5.	AML871	Product Reliability & Maintenance	3-0-0	3
6.	AML873	Design for Production	3-0-0	3
7.	CEL717	Advanced Structural Analysis	3-0-0	3
8.	DIL713	Design for Sustainable Development	3-0-0	3
9.	DIP741	Product form & Aesthetics	1-0-4	3
10.	EEL781	Neural Networks	3-0-0	3
11.	EEL801	Micro-Processor based Design	3-0-0	3
12.	MEL731	Design of Mechanism & Manipulators	3-0-2	4
13.	MEL749	Mechatronic Product Design	3-0-2	4
14.	AMS802	Independent Study	0-3-0	3