

Master of Technology in Industrial Tribology and Maintenance Engineering
Interdisciplinary Programme

The overall credits structure

Category	PC	PE	OE	Total
Credits	33	09	06	48

Program Core

ITL702	Diagnostic Maintenance and Condition Monitoring	3	0	2	4
ITL703	Fundamentals of Tribology	3	0	2	4
ITL705	Materials for Tribological Applications	3	0	0	3
ITL714	Failure Analysis and Repair	3	0	2	4
JIT801	Major Project Part 1 (JIT)	0	0	12	6
JIT802	Major Project Part 2 (JIT)	0	0	24	12
Total Credits				33	

Program Electives

ITL709	Maintenance Planning and Control	3	0	0	3
ITL710	Design of Tribological Elements	3	0	0	3
ITL711	Reliability, Availability and Maintainability (RAM) Engineering	3	0	0	3
ITL717	Corrosion and its Control	3	0	0	3
ITL730	Lubricants	2	0	2	3
ITL740	Risk Analysis and Safety	2	1	0	3
ITL752	Bulk Materials Handling	2	0	2	3
ITL760	Noise Monitoring and Control	2	0	2	3
ITL810	Bearing Lubrication	3	0	0	3
JIS800	Independent Study	0	3	0	3
JID800	Minor Project	0	0	6	3

Sem.	Courses (Number, abbreviated title, L-T-P, credits)						Lecture courses	Contact h/week				Credits	
	L	T	P	Total	L	T		P	Total				
I	ITL703 Fundamentals of Tribology (3-0-2) 4	ITL705 Materials for Tribological Applications (3-0-0) 3				PE-1 (3-0-0) 3	OE-1 (3-0-0) 3	4	12	0	2	14	13
II	ITL702 Diagnostic Maintenance & Condition Monitoring (3-0-2) 4	ITL714 Failure Analysis & Repair (3-0-2) 4				PE-2 (3-0-0) 3	PE-3 (3-0-0) 3	4	12	0	4	16	14
III	JID801 Major Project Part-I (JIT) (0-0-12) 6					OE-2 (3-0-0) 3		1	3	0	12	15	9
IV	JID802 Major Project Part-II (JIT) (0-0-24) 12							0	0	0	24	24	12

Total = 48