

CURRICULUM FRAMEWORK

1st SEMESTER	2nd SEMESTER	3rd SEMESTER	4th SEMESTER	5th SEMESTER	6th SEMESTER	7th SEMESTER	8th SEMESTER	9th SEMESTER	10th SEMESTER
60h Pre-Calculus CM310	60h Physics I CF109	60h Mechanical Drawing II TMEC502	60h Physics III CF111	60h Math Methods for Eng. II TMEC207	60h Fracture Mechanics & Fatigue TMEC306	45h Electrical Applications TMEC209	60h Machine Elements II TMEC309	60h Product Design TMEC311	30h Environmental Engineering TMEC210
30h Introduction to Mechanical Eng. TMEC200	60h Calculus I CM311	60h Physics II CF110	60h Calculus 3 CM313		60h Mechanical Vibrations TMEC307	60h Machine Elements I TMEC308	60h Fundamentals of System Control TMEC310	60h Thermal Machines II TMEC609	30h Humanities TMEC211
30h Analytical Geometry TMEC201	60h Applied Linear Algebra TMEC203	30h Experimental Physics I CF113	60h Math Methods for Eng. I TMEC206	60h Numerical Calculus TMEC208	45h Materials Laboratory TMEC404	45h Materials Selection TMEC405-X	30h Engineering Economics TMEC508	30h Thermal Sciences Laboratory TMEC611	60h Planning of Mechanical Industries TMEC509
60h Programming Language TMEC202	60h Applied Statistics TMEC204	60h Calculus 2 CM312	60h Mechanics of Solids I TMEC302	60h Mechanics of Solids II TMEC304	60h Welding Processes TMEC504	45h Forming Processes TMEC506	60h Thermal Machines I TMEC608	60h Final Project I TMEC701	60h Final Project II TMEC702
30h Mechanical Drawing I TMEC501		60h Statics TMEC301	60h Dynamics TMEC303	60h Mechanisms TMEC305	60h Machining TMEC505	45h Heat & Mass Transfer II TMEC606	45h Refrigeration & Air Conditioning TMEC610	300h Supervised Internship TMEC800	
	75h Technological Chemistry TMEC205	60h Metrology & Instrumentation TMEC503	60h Metallic Materials TMEC402	30h Non-Metallic Materials TMEC403	45h Fluid Mechanics II TMEC604	60h Hydraulic Machines TMEC607	60h Business Administration TT081		
		45h Thermodynamics I TMEC601	45h Thermodynamics II TMEC602	30h Foundry TMEC507	45h Heat & Mass Transfer I TMEC605-X				
		60h Materials Science TMEC401		45h Fluid Mechanics I TMEC603					

14 hours per week	25 hours per week	25 hours per week	27 hours per week	23 hours per week	25 hours per week	20 hours per week	21 hours per week	34 hours per week	12 hours per week	226 hours per week
210 h 210 h	375 h 585 h	375 h 960 h	405 h 1.365 h	345 h 1.710 h	375 h 2.085 h	300 h 2.385 h	315 h 2.700 h	510 h 2.210 h	180 h 3.390 h	C.W. TOTAL