

2. B.Tech Automobile Engineering

Breakup of Courses

Sl. No	Category	Total number of Credits
1	University Core	48
2	University Elective	3
3	Programme Core	114
4	Programme Elective	15
Minimum Total Number of Credits		180

Category Wise breakup of Courses

Category	Recommended credits	%	Recommended %
Engineering	126	70	66
Humanities	13	7.2	8
Management	6	3.3	6
Sciences	35	19.5	20
TOTAL	180	100	100

University Core

Course Code	Course Title	L	T	P	C	Category/ Division
ENG103	Communicative English –I	2	0	2	3	Humanities
CHY103	Chemistry –I	3	0	2	4	Science
PHY101	Engineering Physics –I	3	0	2	4	Science
MAT101	Engineering Mathematics – I	3	1	0	4	Science
CSE101	Computer Programming and Problem Solving	2	0	2	3	Engineering
EEE101	Basic Electrical and Electronics Engineering	3	0	2	4	Engineering
EVS101	Environmental Studies	3	0	0	3	Science
MEE101	Engineering Graphics-I	0	0	4	2	DM
ENG104	Communicative English –II	2	0	2	3	Humanities
CHY104/ CHY105/ CHY106/ CHY107	Biological Chemistry/ Nanoscience and Nanotechnology/Organic Chemistry/Physical Chemistry	3	0	2	4	Science
PHY102	Engineering Physics –II	3	0	2	4	Science
MEE102	Workshop Practice-I	0	0	2	1	PI
FRE101/ GER101/ ESP101/ JAP101	Foreign Language	2	0	0	2	Humanities
MGT301	Ethics and Values	3	0	0	3	Management
GUC201	Co/Extra-Curricular Activity	-	-	-	2	Humanities
GUC301	Comprehensive Examination	-	-	-	2	Engineering
					48	

University Elective

Course Title	L	T	P	C
University Elective	3	0	0	3
				3

Programme Core

Course Code	Course Title	L	T	P	C	Category/ Division
HUM201	Psychology and Sociology	3	0	0	3	Humanities
MAT102	Engineering Mathematics-II	3	1	0	4	Science
MAT201	Engineering Mathematics-III	3	1	0	4	Science
MAT202	Applied Numerical Methods	3	0	2	4	Science
MEE103	Engineering Graphics – II	0	0	4	2	DM
MEE104	Workshop Practice – II	0	0	2	1	PI
MEE201	Engineering Mechanics	3	1	0	4	DM
MEE202	Materials Engineering and Technology	2	1	2	4	PI
MEE203	Engineering Thermodynamics	2	1	0	3	AT
MEE204	Fundamentals of Manufacturing Processes	3	0	2	4	PI
MEE205	Computer Aided Machine Drawing	0	0	4	2	DM
AME201	Alternative Fuels & Energy Systems	3	0	0	3	AT
MEE207	Fluid Mechanics	2	1	2	4	AT
MEE208	Strength of Materials	2	1	2	4	DM
MEE209	Kinematics of Machinery	2	1	0	3	DM
MEE210	Thermal Engineering Systems	2	1	2	4	AT
AME202	Fundamental Of Vibration & Noise	3	0	2	4	AT
AME203	Theory Of Automotive Engine	3	0	2	4	AT
MEE301	Dynamics of Machinery	2	1	2	4	DM
MEE302	Design of Machine Elements	2	1	0	3	DM
AME301	Automotive Engine Systems	3	0	0	3	AT
AME302	Automotive Chassis	3	0	2	4	AT
AME303	Automotive Electrical Systems	3	0	0	3	AT
AME304	Automotive Transmission	3	1	0	4	AT
AME305	Vehicle Body Engineering & Safety	3	0	0	3	AT
MEE307	CAD/CAM	2	0	4	4	DM/PI
AME306	Vehicle & Fuel Testing Lab	0	0	4	2	AT
MEE350	Industrial Internship	-	-	-	2	PW
AME401	Engine Reconditioning Lab	0	0	2	1	AT
AME450	Project Work	-	-	-	20	PW

Programme Electives (Credits to be earned: 15)

Course Code	Course Title	L	T	P	C	Division
AME307	Automotive Aerodynamics	3	0	0	3	AT
AME308	Modern Vehicle Technology	3	0	0	3	AT
AME309	Computer Simulation of IC Engine Processes	3	0	0	3	AT
AME310	Two And Three Wheeled Vehicles	3	0	0	3	AT
AME311	Off Road Vehicles	3	0	0	3	AT
AME312	Marketing And Sales Management	3	0	0	3	AT

MEE327	Modern Manufacturing Techniques	3	0	0	3	PI
MEE328	Precision Engineering	3	0	0	3	PI
MEE329	Production Management	3	0	0	3	PI
MEE330	Process Planning And Cost Estimation	3	0	0	3	PI
MEE314	Tool Design	3	0	0	3	PI
MEE331	Flexible Manufacturing System	3	0	0	3	PI
MEE332	Non Traditional Machining Techniques	3	0	0	3	PI
MEE333	Gas Turbine Technology	3	0	0	3	AT
MEE334	Fuel Cell Technology	3	0	0	3	AT
MEE324	Refrigeration And Air Conditioning	3	0	0	3	AT
AME313	Alternative Sources Of Energy	3	0	0	3	AT
AME314	Automotive Electronics	3	0	0	3	AT
MEE206	Instrumentation And Control	3	0	0	3	DM
AME315	Microprocessor Applications In Automobiles	3	0	0	3	AT
AME316	PLC and Data Acquisition System	3	0	0	3	AT
AME317	Microprocessor Based System Design	3	0	0	3	AT
MEE308	Industrial Engineering	3	0	0	3	PI
AME318	Material Management	3	0	0	3	AT
AME319	Human Relations Management	3	0	0	3	AT
AME320	Entrepreneurship Development	3	0	0	3	AT
AME321	Facilities Planning	3	0	0	3	AT
AME322	Supply Chain Management	3	0	0	3	AT