

# CAREER POINT UNIVERISTY, KOTA

## School of Engineering&Technology, CPU

### Department of Mechanical Engineering

Course: B.Tech+ MBA

Duration: 5 Years (10 Semesters)

Credits Requirement		
	Category	Credits
Under Graduate Core (UC)	DC	104
Under Graduate Elective (UE)	DE	47
	BS	20
	OC	10
	EAS	18
	HU & HM	21
<b>Total</b>		<b>220</b>

#### Subject wise Credit

Departmental Core Subjects (DC)						
Code	Subject Name	L	T	P	CR	
MAL230	Numerical Methods	3	1	0	4	
MEL140	Engineering Thermodynamics	3	1	0	4	
AML160	Mechanics of Fluids	3	1	0	4	
MEL211	Kinematics and Dynamics of Machines	3	0	2	4	
AML140	Mechanics of Solids	3	1	0	4	
AMP262	Solids Laboratory	0	0	3	1.5	
AMP261	Fluids Laboratory	0	0	3	1.5	
MEL232	Casting, Welding and Forming	3	0	2	4	
MEL221	Operations Research	3	1	0	4	
MEP201	Mechanical Engineering Drawing	1	0	3	2.5	
MEL236	Engineering Material	3	1	0	4	
MEL242	Heat and Mass Transfer	3	1	0	4	
MEL311	Machine Element Design	3	0	2	4	
MEL241	Energy Conversion	3	0	0	3	
MEL233	Machining, Machine Tools and Metrology	3	0	2	4	
MEL322	Operations Planning and Control	3	0	0	3	
MEP341	Thermal Engineering Laboratory	0	0	3	1.5	
MEL421	Production Management	3	1	0	4	
MEC410	Colloquium	0	3	0	3	
MED411	Major Project Part 1 (ME)	0	0	8	4	
<b>TOTAL</b>		<b>43</b>	<b>11</b>	<b>28</b>	<b>68</b>	

Department Electives (DE) Subjects						
Code	Subject Name	L	T	P	CR	
MEL344	Refrigeration & Air Conditionong	3	1	0	4	
MEL345	Internal Combustion Engine	3	1	0	4	
MEL342	Power Plant Technologies	3	1	0	4	
MEL425	Flexible Manufacturing Sysyems	3	0	0	3	
MEL316	Mechanical Vibrations	3	0	2	4	
MEL420	Total Quality Management	3	1	0	4	
MED412	Major Project Part 2	0	0	16	8	
SML761	Consumer Behavior	3	1	0	4	
SML762	Service Marketing	3	1	0	4	
SML763	Retail Management	3	1	0	4	
SML811	Industrial Marketing	3	1	0	4	
SML812	Sales and Distribution Management	3	1	0	4	
SML813	Advertising, Brand, Media Management	3	1	0	4	
SML873	Security Analysis and Investment Management	3	1	0	4	
SML876	Project Appraisal Planning and Control	3	1	0	4	
SML877	Banking Service Operations	3	1	0	4	
SML821	Portfolio Management and Mutual Funds	3	1	0	4	
SML822	Management of Financial Services	3	1	0	4	
SML823	Advanced Management Accounting	3	1	0	4	
SML735	Training and Development	3	1	0	4	
SML736	Performance Management and Reward System	3	1	0	4	
SML737	Strategic Human Resource Management.	3	1	0	4	
SML831	Leadership Skills and Change Management	3	1	0	4	
SML832	Labour Law and Compensation Management	3	1	0	4	
SML833	Human Resources Planning	3	1	0	4	
<b>TOTAL</b>		<b>18</b>	<b>4</b>	<b>18</b>	<b>29</b>	

Department of Mechanical Engineering , Career Point University

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<b>(HU &amp; HM) Subjects</b>					
Code	Subject Name	L	T	P	CR
HUL101	English in Practice-I	2	0	2	3
HUL110	Communication Skills	2	0	2	3
HUL235	Technical Communication	2	1	0	3
HUL234	Language and Communication	3	1	0	4
HUL242	Soft Skills & Personality Development	3	1	0	4
HUL300	Communication Skills	3	1	0	4
<b>TOTAL</b>		<b>15</b>	<b>4</b>	<b>4</b>	<b>21</b>

<b>(EAS) Subjects</b>					
Code	Subject Name	L	T	P	CR
AML110	Engineering Mechanics	3	0	2	4
MEL120	Manufacturing Practices	2	0	4	4
CSL101	Introduction to Computers & Programming	3	0	2	4
EEL101	Fundamentals of Electrical Engineering	3	0	2	4
ENV101	Environmental Studies	0	0	0	0
MEL110	Engineering Graphics	0	0	4	2
<b>TOTAL</b>		<b>11</b>	<b>0</b>	<b>14</b>	<b>18</b>

<b>Open Course (OC) Subjects</b>					
Code	Subject Name	L	T	P	CR
MEL202	Quality Engineering & Management Systems	3	0	0	3
MEL221	Operations Research	3	1	0	4
MEL322	Operations Planning and Control	3	0	0	3
MEL325	Production Engineering-I	3	0	0	3
MEL339	Production Engineering-II	3	1	0	4
MEL422	Project Management/Manufacturing	3	1	0	4
MEL427	Economics and Analysis	3	1	0	4
MEL425	Flexible Manufacturing Systems	3	0	0	3
MEL411	Mechatronics	3	1	0	4
MEL418	Reliability & Maintenance Engineering	3	0	0	3
<b>TOTAL</b>		<b>9</b>	<b>1</b>	<b>0</b>	<b>10</b>

<b>Basic Science (BS) Subjects</b>					
Code	Subject Name	L	T	P	CR
CYL110	Physical Chemistry	3	1	0	4
CYP100	Chemistry Laboratory	0	0	4	2
MAL110	Mathematics-1	3	1	0	4
PHL110	Fields & Waves	3	1	0	4
PHP100	Physics Lab	0	0	4	2
MAL120	Mathematics-II	3	1	0	4
<b>TOTAL</b>		<b>12</b>	<b>4</b>	<b>8</b>	<b>20</b>

<b>Abbreviations</b>	
<b>L:</b> No of Lecture per week	<b>LC:</b> Theory Papers per Semester
<b>T:</b> No of Tutorial per week	<b>CR:</b> Credit per Subject
<b>P:</b> No of Practical per week	<b>DC:</b> Departmental Core
<b>DE:</b> Departmental Elective	

**Semester wise subject list:**

<b>B.Tech + MBA (1<sup>st</sup> Semester)</b>	
<b>Course Code</b>	<b>Subject Name</b>
<b>SML115</b>	Managerial Economics
<b>SML312</b>	Organizational Behavior
<b>SML721</b>	Corporate Business Environment
<b>SML105</b>	Accounting for Managers

<b>B.Tech + MBA (2nd Semester)</b>	
<b>Course Code</b>	<b>Subject Name</b>
SML760	Marketing Management
SML705	Financial Management
SML731	Human Resource Management
SML895	Management of Research Methodology

<b>B.Tech + MBA (3rd Semester)</b>	
<b>Course Code</b>	<b>Subject Name</b>
SML732	Business Strategy
SML801	Business Ethics and Corporate Governance
SML700	Summer Training Project
MBA Elective	
MBA Elective	
MBA Elective	

<b>B.Tech + MBA (4th Semester)</b>	
<b>Course Code</b>	<b>Subject Name</b>
SML203	Business Law
SML800	Management Thesis
MBA Elective	
MBA Elective	
MBA Elective	