

# CAREER POINT UNIVERSITY, KOTA

## School of Engineering and Technology,

### Computer Science and Engineering Department

Course: B Tech. + MBA

Duration: 5 Years (10 Semesters)

The overall credits structure

Undergraduate Core (UC)		Undergraduate Elective (UE)	
Category	Credits	Category	Credits
DC	52	DE	39.0
BS	20	HU & HM	21
EAS	18	OC	10
PC	62	PE	24
<b>Total Credits</b>		<b>246</b>	

Subject wise Credit

Basic Sciences (BS) Core					
Code	Subject Name	L	T	P	CR
CYL110	Physical Chemistry: Concepts and Applications	3	1	0	4
CYP100	Chemistry Laboratory	0	0	4	2
MAL110	Mathematics-I	3	1	0	4
MAL120	Mathematics-II	3	1	0	4
PHL110	Field & Waves	3	1	0	4
PHP100	Physics Laboratory	0	0	4	2
ENL011	Environmental Studies	0	0	0	0
<b>Total</b>		<b>12</b>	<b>4</b>	<b>8</b>	<b>20</b>

Humanities and Social Sciences (HC) Core					
Code	Subject Name	L	T	P	CR
HUL 101	English in Practice-I	2	0	2	3
HUL110	Communication Skills	2	0	2	3
HUL235	English (Technical Communication)	2	0	2	3
HUL234	Language & Communication	3	1	0	4
HUL242	Soft Skills & Personality Development	3	1	0	4
HUL300	Communication Skills & Personality Development	3	1	0	4
<b>Total</b>		<b>15</b>	<b>3</b>	<b>6</b>	<b>21</b>

Departmental Core (DC) Subjects					
Code	Subject Name	L	T	P	CR
CSL205	Discrete Mathematical Structures	3	1	0	4
CSL202	Data Structures	3	0	2	4
CSL212	Computer Architecture	3	1	0	4
CSL225	Programming in C++	3	0	2	4
CSP213	Web Designing Lab	0	0	2	1
MAL250	Introduction to Probability Theory and Stochastic Processes	3	1	0	4
CSL278	Operating Systems	3	0	2	4
CSL356	Analysis and Design of Algorithms	3	0	2	4
CSL372	Computer Networks	3	0	2	4
CSL234	Programming in Java	3	0	2	4
CSD411	Major Project Part-1	0	0	8	4
CSD412	Major Project Part-2	0	0	16	8
CSC410	Colloquium (CS)	0	3	0	3
CST410	Practical Training	0	0	0	0
<b>Total</b>		<b>27</b>	<b>6</b>	<b>38</b>	<b>52</b>

Engineering Arts and Sciences (EAS) Core					
Code	Subject Name	L	T	P	CR
AML110	Engineering Mechanics	3	0	2	4
CSL101	Introduction to Computers & Programming	3	0	2	4
EEL101	Fundamentals of Electrical Engineering	3	0	2	4
MEL120	Manufacturing Practices	2	0	4	4.0
MEL110	Graphics Science	0	0	4	2
<b>Total</b>		<b>11</b>	<b>0</b>	<b>14</b>	<b>18</b>

Departmental Electives (DE)					
Code	Name	L	T	P	CR
CSL230	Introduction to Database Systems	3	0	2	4
CSL381	Computer Graphics	3	0	2	4
CSL310	Theory of Computation	3	0	0	3

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CSL331	Artificial Intelligence	3	0	0	3
CSL335	Compiler Design	3	0	0	3
CSL240	Software Engineering	3	0	0	3
CSL458	Cryptography and Network Security	3	0	0	3
CSL439	Data Mining & Warehousing	3	1	0	4
CSL377	Introduction to Cloud Computing	3	0	0	3
CSL357	Programming in Python	3	0	2	4
CSL214	IoT (Internet of Things)	2	0	2	3
CSP302	Android	0	0	2	1
CSP391	Web-Technology	0	0	2	1
	<b>Total</b>	<b>32</b>	<b>1</b>	<b>12</b>	<b>39</b>

Program Core (PC) Subjects: MBA					
Code	Subject Name	L	T	P	CR
SML731	Human Resource Management	3	1	0	4
SML553	Macro Economics	3	1	0	4
SML552	Managing Organizational Behavior	3	1	0	4
SML705	Financial Management	3	1	0	4
SML895	Management of Research Methodology	3	1	0	4
SML760	Marketing Management	3	1	0	4
FNL501	Financial Accounting	3	1	0	4
SML554	Entrepreneurship Development and Skills	3	1	0	4
SML732	Business Strategy	3	1	0	4
SML852	Applied Taxation	3	1	0	4
SML745	Operations Management	3	1	0	4
SML801	Business Ethics & Corporate Governance	3	1	0	4
SMD500	Summer Training Project Report	0	6	0	6
SMD600	MANAGEMENT THESIS	0	8	0	8
	<b>Total</b>	<b>36</b>	<b>26</b>	<b>0</b>	<b>62</b>

Program Elective (PE) Subjects: Marketing					
Code	Subject Name	L	T	P	CR
SML761	Consumer Behavior	3	1	0	4
SML762	Services Marketing	3	1	0	4
SML763	Retail Management	3	1	0	4
MKL511	Digital Marketing	3	1	0	4
SML812	Sales and Distribution Management	3	1	0	4
SML813	Advertising, brand & Media Mgmt	3	1	0	4
	<b>Total</b>	<b>18</b>	<b>6</b>	<b>0</b>	<b>24</b>

Open Course (OC)					
Code	Name	L	T	P	CR
CSL229	Object Oriented Programming	3	0	0	3
CSL313	Database Management System	3	0	0	3
CSL314	Introduction to Operating system	3	1	0	4
CSL341	Introduction to Software Engineering	3	0	0	3
CSL376	Introduction to Computer Networks	3	1	0	4
CSL438	Introduction to Artificial Intelligence	3	0	0	3
CSL435	Java Programming	3	1	0	4
CSL459	Introduction to Cryptography and Network Security	3	0	0	3
CSL831	Introduction to Data Mining & Warehousing	3	1	0	4
	<b>Total</b>	<b>27</b>	<b>4</b>	<b>0</b>	<b>31</b>

Program Elective (PE) Subject: Finance					
Code	Subject Name	L	T	P	CR
SML875	Security Analysis & Investment Mgmt	3	1	0	4
SML876	Project Appraisal Planning & Control	3	1	0	4
SML877	Banking Service Operations	3	1	0	4
SML824	Investment Management	3	1	0	4
SML822	Management of Financial Services	3	1	0	4
SML823	Advance Management Accounting	3	1	0	4
	<b>Total</b>	<b>18</b>	<b>6</b>	<b>0</b>	<b>24</b>

Program Elective (PE) Subjects: Human Resource					
Code	Subject Name	L	T	P	CR
SML735	Training and Development	3	1	0	4
SML736	Performance Management and Reward System	3	1	0	4
SML737	Strategic Human Resource Mgmt	3	1	0	4
SML831	Leadership Skills and Change Mgmt	3	1	0	4
SML832	Labor Law and Compensation Mgmt	3	1	0	4
SML833	Human Resourcing Planning	3	1	0	4
	<b>Total</b>	<b>18</b>	<b>6</b>	<b>0</b>	<b>24</b>

Abbreviations	
<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	<b>DCL:</b> Departmental Clinical
<b>OC:</b> Open Course	<b>BS:</b> Basic Sciences
<b>HC:</b> Humanities and Social Sciences	<b>EAS:</b> Engineering Arts and Sciences

## Semester wise Subjects

Semester -1	
CYL110	Physical Chemistry: Concepts and Applications
CYP100	Chemistry Laboratory
MAL110	Mathematics-I
AML110	Engineering Mechanics
CSL101	Introduction to Computers & Programming
HUL101	English in Practice-I

Semester -2	
MAL120	Mathematics-II
PHL110	Field & Waves
PHP100	Physics Laboratory
EEL101	Fundamentals of Electrical Engineering
MEL110	Graphic Science
MEL120	Manufacturing Practices
HUL110	Communication Skills

Semester -3	
HUL235	English (Technical Communication)
CSL205	Discrete Mathematical Structures
CSL202	Data Structures
CSL212	Computer Architecture
CSL225	Programming in C++
CSL214	IoT (Internet of Things)
CSP213	Web Designing Lab

Semester -4	
HUL234	Language & Communication
CSL234	Programming in Java
CSL278	Operating Systems
MAL250	Probability Theory and Stochastic
CSL240	Software Engineering
CSL230	Introduction to Database Systems
Open Course 1	

Semester -5	
HUL242	Soft Skills & Personality Development
CSL356	Analysis and Design of Algorithms
CSL310	Theory of Computation
CSL381	Computer Graphics
CSL357	Programming in Python
Open Course 2	
Open Course 3	

Semester -6	
HUL300	Communication Skills & Personality Development
CSL374	Computer Networks
CST410	Practical Training (CSE)
CSL331	Artificial Intelligence
CSL335	Compiler Design
CSP302	Android
CSL441	Web Technology
CSL377	Introduction to Cloud Computing
Program Core (PC)	

Semester -7	
CSC410	Colloquium (CS)
CSL458	Cryptography and Network Security
CSL439	Data Mining & Warehousing
Program Core (PC)	
Program Core (PC)	
Program Core (PC)	
Program Core (PC)	

Semester -8	
Major Project Part-1	
Program Core (PC)	
Program Core (PC)	
Program Core (PC)	

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Semester -9
Major Project Part-2
Program Core (PC)
Program Core (PC)
Program Core (PC)
Program Elective (PE)
Program Elective (PE)
Program Elective (PE)

Semester -10
Program Core (PC)
Program Core (PC)
Program Elective (PE)
Program Elective (PE)
Program Elective (PE)