

CAREER POINT UNIVERISTY, KOTA

School of Computer Application

Course : BCA

Duration: 3 Years (6 Semesters)

Credits Requirement		
	Category	Credits
Basic Mathematics	BM	16
Humanities	HU	5
Management	SM	4
Departmental Core	Dc	108
Departmental Electives	DE	52
Total Credits	TC	185

Basic Mathematics (BM)

Code	Subject	L	T	P	Cr
MAL 112	Mathematical Foundation for Computer Sc	3	1	0	4
MAL 126	Algebra & Differential Equations	3	1	0	4
MAL-225	Statistics for BCA	3	1	0	4
MAL 280	Operation Research	3	1	0	4
MAL 160	Numerical and Statistical Methods	3	1	0	4
	Total				20

Humanities

Code	Subject	L	T	P	Cr
HUN 106	Business Communication	2	0	0	2
HUL 101	English in Practice-I	2	0	2	3
HUL 217	Communicative English	2	0	2	3
HUL 108	Technical Communication Practices	2	0	0	2
HUL218	English Communication Practices	3	0	2	4
	Total				14

Management

Code	Subject	L	T	P	Cr
SML 101	Management Concepts	3	1	0	4
SML 103	Accounting and Financial Management	3	1	0	4
	Total				8

Departmental Core (DC)

Code	Subject	L	T	P	Cr
CSL 107	Fundamentals Of Computers & Information Technology	3	1	0	4
CSL 106	PC Packages & PC Software Lab	3	1	4	6
CSL 103	Introduction to Programming with C	3	1	4	6
CSL 120	Programming in C	3	1	0	4
CSL 716	Discrete Mathematics	3	1	0	4
CSL 761	Computer Oraganization and Architecture	3	1	0	4
CSP 105	C Language LAB	0	0	4	2
CSL 251	Internet & E-Commerce	3	1	0	4
CSL 221	Data Structures Using C	3	1	2	5
CSL 232	Desktop Applications With VB.Net	3	1	4	6
CSL-278	Database Management Systems	3	1	2	5
CSL 630	Data Structures and Algorithms	3	1	0	4
CSL 305	Database Management System	3	1	2	5
CSL 306	Principles of Programming Languages	3	1	0	4
CSL 373	Operating Systems	3	1	0	4
CSP 320	Data Structures Lab	0	0	4	2
CSP 330	OS Lab	0	0	4	2
CSL-272	Operating Systems	3	1	0	4
CSL 436	Introduction to Software Engineering	3	1	0	4
CSL-277	Web Technology -1	3	1	2	5
CSL-274	Object Orient Programming using C++	3	1	4	6
CSD-282	Minor Project	0	0	4	2
CSL-782	Graphics and Multimedia	3	1	0	4
CSL-740	Software Engineering	3	1	0	4
CSL-753	Advanced Database management system	3	1	2	5
CSL 712	Internet and Java Programming	3	1	0	4
CSP 782	Java Programming Lab	0	0	4	2
CSL-740	Graphics & Multimedia Lab Using C++	0	0	4	2
CSD-740	Seminar - Research Paper	0	0	4	2
CSL 261	Computer Organization and Architecture	3	1	0	4
CSL 424	Data Communication & Computer Networks	3	1	0	4

CSL 442	Web Technology	3	1	4	6
CSL 436	Introduction to Software Engineering	3	1	0	4
CSL 432	Programming in Java	3	1	4	6
CSL 713	Programming with Python	3	1	0	4
CSL 424	Data Communication & Computer Networks	3	1	0	4
CSL 786	Software Architecture, Testing & Quality Assurance	3	1	0	4
CSL 671	AI & Expert Systems	3	1	0	4
CSL 582	Visual Programming usnig .Net	3	1	0	4
CSL-621	Analysis and Design of Algorithm	3	0	0	3
CSP 783	Python Programming Lab	0	0	4	2
CSP 784	Visual Programming Lab	0	0	4	2
CSD 850	Minor project in java/.Net	0	0	4	2
CSL-583	Computer Graphics & Multimedia	3	1	4	6
CSL-548	.Net Programming using VB.net	3	1	4	6
CSD-549	Colloquim	0	0	4	4
CSL-874	Advanced Java programming	3	1	0	4
CSL-875	Web Technologies with PHP	3	1	0	4
CSL-759	Cryptography and Computer Security	3	1	0	4
CSP-876	Advanced Java Lab	0	0	4	2
CSP-877	PHP Lab	0	0	4	2
CSL-620	Unix and Shell Programming	3	1	2	5
CSD-675	Major Project work	0	0	8	4
CSD-897	Project(Industrial) & Viva- Voce Examination	0	0	0	20

Departmental Electives (DE)

Code	Subject	L	T	P	Cr
CSL 716	Discrete Mathematics	3	1	0	4
CSL-836	Mobile Commuicaion	3	1	0	4
CSL-870	Distributed Computing	3	1	0	4
CSL-889	Application Development with Android	3	0	2	4
CSL-783	Digital Image Analysis	3	1	0	4
CSL-842	Cluster and Grid Computing	3	1	0	4
CSL-894	Advanced .NET with AJAX and MVC	3	0	2	4
CSL-561	Big Data Technique with HADOOP	3	1	0	4
CSL-562	Data Analytics	3	1	0	4

CSL-661	Machine Learning With R	3	1	4	6
CSL-551	Internet Markiting	3	1	4	6
CSL-552	Search Engine Optimization & SMO	3	1	4	6
CSL-651	Modern Operating System	3	1	0	4
CSL-652	Linux System Administration	3	1	4	6
CSL-605	Advanced Java	3	1	4	6
CSL-609	Programming with Android	3	1	4	6
CSL-273	System Analysis & Design	3	1	0	4
CSL-319	Internet of Things	3	1	2	5
CSL-546	Information security & Cyber Law	3	1	0	4
CSL-444	Ethical Hacking	3	1	0	4
CSL778	Cyber Crime and Digital Forensics	3	1	2	5
CSL-553	Open Source Technologies	3	1	0	4
CSL-653	Database Administration using ORACLE	3	1	4	6
CSL-556	Hardware Trouble Shuting & Networking	3	1	4	6
CSL-547	Mobile Computing	3	1	0	4
CSL656	Human Computer Interaction	3	1	0	4
CSL-705	Theory of computation	3	1	0	4
CSL-771	Cloud Computing	4	0	0	4
CSL -752	Principles of Compiler Design	3	1	0	4
CSL -770	E-Commerce	4	0	0	4
CSL-449	Software Quality Management	3	1	0	4
CSL-545	Enterprise Resource Planning	3	1	0	4
CSL-607	Information Storage System	3	1	0	4
CSL-606	Soft Computing	3	1	0	4
CSL 241	Management Information System	3	1	0	4
CSL437	Client Server Technology	3	0	0	3
CSL 652	Ethical Hacking with C	3	0	2	4
CSL 242	Information Security	3	1	0	4
CSL-549	Cyber Law and Cyber Forensic	3	1	0	4
CSL-608	Data Ware Hose and Data Mining	3	1	0	4
CSL 614	Digital Marketing	4	0	0	4
CSL 615	Hybrid Mobile Application	3	0	2	4

Semester Wise Subjects

Semester -1	
MAL 112	Mathematical Foundation for Computer Science
CSL 107	Fundamentals Of Computers & Information Technology
CSL 103	Introduction to Programming Using C
SML 101	Managements Concepts
CSL 106	PC Packages & PC Software Lab
HUN 106	Business Communication

Semester-2	
MAL 126	Algebra & Differential Equations
CSL 251	Internet & E-Commerce
CSL 221	Data Structures Using C
CSL 232	Desktop Applications With VB.Net
CSL-279	Database Management Systems
HUL 101	English In Practice
Departmental Elective	

Semester-3	
CSL-272	Operating Systems
CSL 436	Introduction to Software Engineering
CSL-277	Web Technology -1
CSL-274	Object Orient Programming using C++
MAL-225	Statistics for BCA
CSD-282	Minor Project
Departmental Elective	

Semester-4	
CSL 261	Computer Organization and Architecture
MAL 280	Operation Research
CSL 424	Data Communication & Computer Networks
CSL 442	Web Technology
CSL 432	Programming in Java
Departmental Elective	
Departmental Elective	

Semester -5	
CSL-583	Computer Graphics & Multimedia
CSL-546	Web Development using ASP.Net
CSL-759	Cryptography and Network Security
CSD-549	Industry Training Report
Departmental Elective	
Departmental Elective	
Departmental Elective	

Semester -6	
CSL-620	Unix and Shell Programming
CSD-675	Major Project work
Departmental Elective	
Departmental Elective	
Departmental Elective	
Departmental Elective	
Departmental Elective	