

BACHELOR OF COMPUTER APPLICATIONS (BCA)

<http://www.smude.edu.in/BCA>

(REVISED FALL 2007)

Program Structure

First Semester		
Sub. Code	Subject Title	Credits
BC0032	Communication Skills	4
BC0033	Basic Mathematics	4
BC0034	Computer Concepts and C Programming	4
BC0035	Computer Fundamentals	4
BC0036	Digital Systems	4
Total Cumulative Credits		20

Second Semester		
Sub. Code	Subject Title	Credits
BC0037	Object Oriented Programming using C++	4
BC0038	Data Structures using C	4
BC0039	Discrete Mathematics	4
BC0040	Computer Organization and Architecture	4
BC0041	Fundamentals of Database Management	4
Total Cumulative Credits		40

Third Semester		
Sub. Code	Subject Title	Credits
BC0042	Operating Systems	4
BC0043	Computer Oriented Numerical Methods	4
BC0044	Accounting and Financial Management	4
BC0045	Structured System Analysis and Design	4
BC0046	Microprocessor (8085, 8086 & 8087)	4
Total Cumulative Credits		60



Fourth Semester		
Sub. Code	Subject Title	Credits
BC0047	Java Programming	4
BC0048	Computer Networks	4
BC0049	Software Engineering	4
BC0050	Oracle and Distributed Databases	4
BC0051	System Software	4
Total Cumulative Credits		80

Fifth Semester		
Sub. Code	Subject Title	Credits
BC0052	Theory of Computer Science	4
BC0053	VB .Net and XML	4
BC0054	Software Project Management & Quality Assurance	4
BC0055	TCP / IP Protocol Suite	4
BC0056	Unix Operating System	4
Total Cumulative Credits		100

Sixth Semester		
Sub. Code	Subject Title	Credits
BC0057	Object Oriented Analysis & Design	4
BC0058	Data Warehousing	4
BC0059	Elective*	4
BC0060	Project	8
Total Cumulative Credits		120

*Elective (Choose one)

BC5901	Artificial Intelligence	4
BC5902	Image Processing	4

Multiple Entry Options

Lateral
Entry

Direct
Entry

Semester	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6
Multiple Exit Options	BCA					

Note: Refer Page 73 for more details.

ELIGIBILITY CRITERIA FOR SMU-DE PROGRAMS

Bachelor of Computer Applications (BCA)

Eligibility: 10 + 2 or equivalent / 3 Year Diploma from a State Board of Technical Education

Semester Fee: Rs. 11,100/- (inclusive of Exam Fee Rs.950/- & Alumni Fee Rs.100/-) or as revised from time to time.

Minimum Duration: 3 Years (6 Semesters)

Maximum Duration: 6 Years

Minimum counselling and Practical duration at the Learning Centre: 250 Hours / Semester

Provision for Lateral entry to Second Semester

Eligibility: 10 + 2 or equivalent / 3 year Diploma from a State Board of Technical Education and six months of Computer course from a reputed institution.

Semester Fee: Rs.11,100/- (inclusive of Exam Fee Rs.950/- & Alumni Fee Rs.100/-) or as revised from time to time.

Lateral entry Fee:: Rs. 5,175/- (inclusive of Exam Fee Rs.950/-) or as revised from time to time.

Minimum Duration: 3 Years (6 Semesters)

Maximum Duration: 6 Years

Provision for Direct entry to Third Semester

Eligibility: 10 + 3 year diploma in IT/CS from a State Board of Technical Education

Semester Fee: Rs.11,100/- (inclusive of Exam Fee Rs.950/- & Alumni Fee Rs.100/-) or as revised from time to time.

Credit Transfer Fee: Rs. 5,025/- or as revised from time to time.

Minimum Duration: 2 Years (4 Semesters)

Maximum Duration: 4 Years

Bachelor of Arts in Journalism and Mass Communication (BAJM)

Eligibility: 10 + 2 or equivalent / 3 Year Diploma from a State Board of Technical Education

Semester Fee: Rs10,600/- (inclusive of Exam Fee Rs.950/- & Alumni Fee Rs.100/-) or as revised from time to time.

Minimum Duration: 3 Years (6 Semesters)

Maximum Duration: 6 Years

Minimum counselling and Practical duration at the Learning Centre: 160 Hours / Semester