

**Master of Business Administration (MBA) #**

- Eligibility: \*Graduate
- Duration: 2 years (4 semesters)

**Master of Business Administration in Health Care Services (MBAHCS) ##**

- Eligibility: \*Graduate
- Duration : 2 years (4 semesters)

**Master of Computer Applications (MCA) #**

- Eligibility: \*Graduate
- Duration: 3 years (6 semesters)

**Master of Commerce - Information System (MComIS) #**

- Eligibility: \*Graduate in Commerce/Economics/Banking/ Finance / Insurance / Accounting
- Duration: 2 years (4 semesters)

**Master of Science in Computer Science (MScCS) #**

- Eligibility: \*Graduate
- Duration: 2 years (4 semesters)

**Master of Science in Information Technology (MScIT) #**

- Eligibility: \*Graduate
- Duration: 2 years (4 semesters)

**Master of Science in Telecom Technology (MScTT) #**

- Eligibility: \*Graduate
- Duration: 2 years (4 semesters)

**Master of Science in Bioinformatics (MScBI) ##**

- Eligibility:
    - (a) Graduate from a recognized University in Life Science (Biotech/ Botany/ Zoology/ Microbiology/ Chemistry)/ In Science with Physics, Mathematics, Statistics/ Nursing/Home Science/ Food and Nutrition / Agriculture /Dairy technology/ Horticulture/ Forestry/ Fisheries
- OR

(b) Graduate from a recognized University in Health Sciences (MBBS/ BDS/ BAMS/BHMS/ BUMS/ BVSc/ BSSM/BNYS) **OR**

(c) Graduate from a recognized University in Allied Health Sciences (BMLT/ BScMLT/ BPT/ BMIT / BScMIT / BHIA/ BScHIA/ BOT/ BSc (Sp & Hg)/ BASLP/ BSc Opt/ Pharmacy (BPharma) **OR**

(d) BE in Biotech/BCA/BSc IT/ BSc CS.

- Duration : 2 years (4 semesters)

**Master of Science in Clinical Research & Regulatory Affairs (MScCRRA)@**

- Eligibility:
  - (a) Graduate from a recognized University in Health Sciences (MBBS/ BDS/ BAMS/ BHMS/ BUMS/ BVSc/ BSSM) **OR**
  - (b) Graduate from a recognized University in Allied Health Sciences (BMLT/ BScMLT/ BPT/ BMIT/ BScMIT/ BHIA/ BScHIA / BOT / BSc (Sp&Hg) / BASLP / BScOpt) / Pharmacy (B Pharm) **OR**
  - (c) Graduate from a recognized University in Life Sciences (with Biotech / Botany / Zoology / Microbiology / Chemistry) / Nursing/Home Science / Food & Nutrition
- Duration : 2 years (4 semesters)

# Program offered at IT & Management Learning Centres  
## Program offered at select IT & Management and Allied Health Learning Centres  
@ Program offered at select Allied Health Learning Centres

**General conditions for admission**

\* Graduate means a candidate who has successfully completed a 3 year University Degree Program from a recognized University.

\*\* Diploma means a candidate who has successfully completed a 3 year Diploma from a State Board of Technical Education.

**Re-entry** : Re-entry denotes continuation of study by erstwhile SMU students with requisite qualification, wherein the marks secured in the earlier SMU Examinations will be carried over.

**Lateral Entry** : Lateral Entry is permitted, subject to fulfillment of the eligibility conditions as prescribed.

- Visit [www.smude.edu.in](http://www.smude.edu.in) to know the details of the programs offered at various Learning Centres.

## Important Note

1. The University authorized Learning Centres are permitted to provide counseling services to students admitted by the University into its Diploma, Bachelors, Post Graduate Diploma and Masters Degree programs. Please visit our website for programs permitted for counselling at specific Learning Centres.
  2. The basic eligibility for Admission to PG programs is Graduation. Graduate means a candidate who has successfully completed a 3 year University Degree Program. Students having 2 years degree have to do a bridge course.
  3. **Foreign Students:** All foreign students seeking admission to the Distance Learning Programs of SMU must join a regular course of a recognized University in India. Alternatively, they should either be working in India or should be dependents of a person working in India. The course under SMU Distance Education (DE), can be undertaken simultaneously with the regular course mentioned above. No eligibility certificate will be issued to a student who comes to India only to join SMU-DE programs. **Foreign nationals seeking admission in India are required to submit the additional application form.** The form is available on the website [www.smude.edu.in](http://www.smude.edu.in).
  4. All the support documents enclosed along with the application form have to be attested by Gazetted Officers or Notary Public or Principal of College/ Polytechnic under the University System/Directorate of Technical Education or Head of Institution from which the student passed the eligibility criteria and additionally to be certified by the Learning Centre Head, failing which the application will be rejected.  
  
The centre head or the designated person has to verify all the support documents by putting his signature and seal of the LC.
  5. Without a valid Residential Permit (RP), international students in India will not be allowed to appear for examinations; RP should be submitted to the University by **Nov. 15, 2009** failing which Provisional admission will be cancelled.
  6. Mid session transfers are not permitted.
  7. Transfer from one LC to another for foreign nationals is not permitted.
  8. There is no provision for doing dual programs of SMU DE at the same time. A candidate is permitted to pursue only one program of SMU DE at a time.
  9. The student of final semester of Degree/ Diploma program will have to pay the requisite fee as prescribed by the University at the time of re-registration for the final semester for automatic issue of Degree / Diploma certificate.
  10. Sikkim Manipal University of Health, Medical and Technological Sciences (SMU) has been offering Distance Education Programs since February 2001, after informing the University Grants Commission (UGC) and other regulatory bodies, including Distance Education Council (DEC). SMU has received approval from the Distance Education Council to offer programs in distance education mode.
  11. University reserves the right to add / delete / change the syllabi, program structure, rules and regulations without any prior notice, as and when required, as per changes in environment. Students are advised to visit the University website [www.smude.edu.in](http://www.smude.edu.in) where all circulars and important information will be hosted from time to time. Promulgation of any such information in the website in the form of circulars / notices is considered to be adequate.
  12. Legal disputes, if any, shall come under jurisdiction of Udupi (Karnataka), India.
  13. Payment of fee:
    - (A) All payments shall be made by the students only in the form of DD drawn in favour of "Sikkim Manipal University, DE" payable at Manipal / Udupi and student should endorse the name, application number and centre code on the reverse of the DD. The students are advised to retain the counterfoil and photocopy of the DD with them for their reference.
    - (B) Payment of fees can also be made through SMU-DDE SBI Challan from all Core Banking branches of State Bank of India (SBI). University will not take any responsibility if amount is deposited at branches other than Core banking of SBI. Please use only one challan per student.
    - (C) Payment of fees can also be made through any credit/debit card of MasterCard/VISA Card at select Learning Centres.
- Note:** Payments made other than in the above forms will be at own risk. The fees once paid cannot be refunded for admitted students. The refunds for rejected applications will be made after deducting Rs.500/- as processing fee.



**INFORMATION  
TECHNOLOGY**

## Lateral Entry Scheme for SMU Programs

Most of the programs are designed for multiple entry and exit. The candidates can enrol for the programs based on basic qualification and lateral entry qualification.

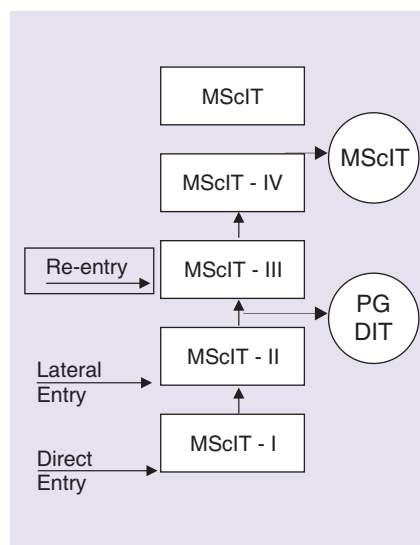
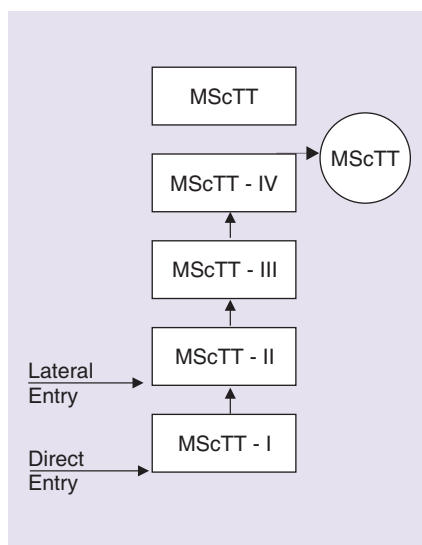
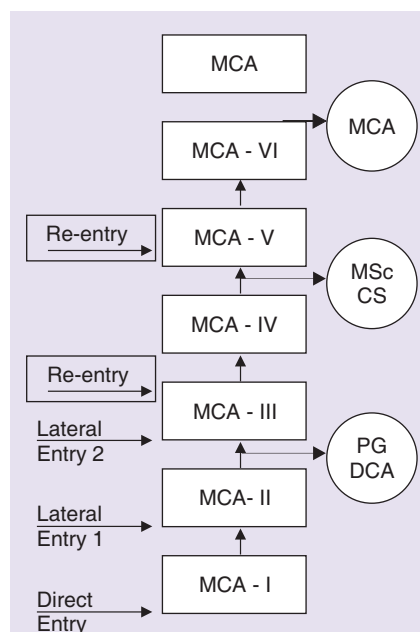
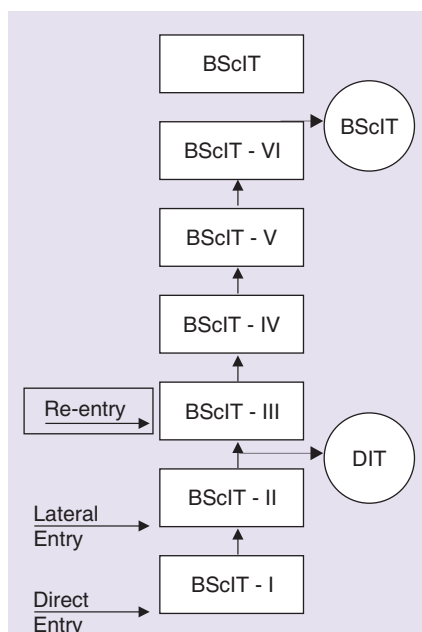
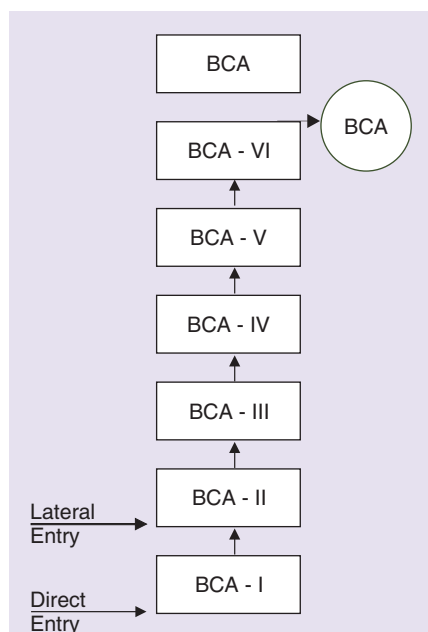
**Basic qualification:** For graduation, basic qualification is 10+2 or equivalent. For post graduation, basic qualification is 3 year graduation or equivalent. The specific provisions are indicated under respective program headings.

**Lateral entry qualification:** Lateral entry is an opportunity given to a candidate having the basic qualification and previous qualification in the relevant field to enter a higher semester.

However such students will be required to appear and qualify in the previous semesters / relevant papers.

Candidates may exit the program at any stage and will get the corresponding Diploma / PG Diploma based on the number of semesters / examinations completed at the time of exit. The various entry and exit points for all the programs are illustrated below graphically. The details of eligibility criteria and fees structure of lateral entries are indicated in respective program headings.

**The Re-entry schemes indicated below are applicable only to the students of SMU-DDE.**



The design and implementation of BScIT offers new challenges when compared to the traditional computing environment. The recent emergence of global business, new technologies for data processing and data communication / networking environment, equip specialized science graduates to focus on professional careers in Information Technology.

The BScIT program has been developed to provide the students with adequate theoretical and practical knowledge which will enable them to effectively participate in solving the complex problem of the IT industry.

The Diploma program will prepare the candidates to advance, and to support positions such as administrative assistants, executive secretaries or office administrators in various large corporate and banking sectors. The program will equip the candidates in the areas of information processing, report writing, presentations, executive secretarial support, handling the database and understanding the system analysis and design in management.

SMU's IT programs intend to equip graduates with the knowledge and skills required to contribute to the vital area of Information Technology.

**Primary objectives of this program:**

- Imparting knowledge of computer and programming logic environment in IT.
- Knowledge of advanced IT applications in different business sectors.
- To equip students with the technical knowledge required for an IT professional to handle multi-tasking and multi-programming situations and to assess and develop computer based solutions.

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

**Semester Fee:** Rs.10,450/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration :** 1 year (2 semesters) for DIT; 3 years (6 semesters) for BScIT.

**Maximum duration :** 2 years for DIT; 6 years for BScIT.

**Minimum counseling and hands-on experience at Learning Centres :** 200 hrs/semester.

**Program Structure**

First Semester		
Sub. Code	Title	Credits
BT0062	Fundamentals of IT	4
BT0063	Mathematics for IT	4
BT0064	Logic Design	4
BT0065	C Programming and Data Structures - Theory	3
BT0066	Database Management System	3
BT0067	C Programming and Data Structures - Practical	2
<b>Total Cumulative Credits</b>		<b>20</b>



**Provision for lateral entry to second semester of BSc IT:**

**Eligibility:**

- (a) 10+2 and Six months Computer Course from a reputed institution\*. **OR**
- (b) 3 year Diploma in CS or ECE or IT from a State Board of Technical Education. **OR**
- (c) 3 year Diploma from a State Board of Technical Education and six month computer course from a reputed institution\*.

**Additional Fees:** In addition to the regular fees, an additional lateral entry fee of Rs. 3,800/- (including examination fees) is payable by students opting for this scheme.

**Note:** In this Lateral Entry Scheme, students have to appear and pass the First Semester Examination. Books of First semester will be supplied by the University and Internal Assessment will be completed at the Learning Centre.

Second Semester		
Sub. Code	Title	Credits
BT0068	Computer Organization and Architecture	4
BT0069	Discrete Mathematics	4
BT0070	Operating Systems	4
BT0071	Technical Communication - Theory	2
BT0072	Computer Networks	4
BT0073	OS and DBMS - Practical	2
Total Cumulative Credits		40

**Diploma in Information Technology [DIT].**

After successful completion of first two semesters of BScIT, if a student wishes to discontinue the course, such a student shall be awarded the Diploma in Information Technology Certificate as an exit qualification.

Third Semester		
Sub. Code	Title	Credits
BT0074	OOPS With Java	4
BT0075	RDBMS With MySQL	4
BT0076	TCP/IP	4
BT0077	Multimedia Systems	2
BT0078	Website Design	2
BT0079	Mini Project	4
Total Cumulative Credits		60

**Provision for Re- entry to Third semester of BScIT**

**Eligibility :** DIT of SMU (Revised Spring 2009)

**Semester Fee:** Rs.10,450/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration:** 2 years (4 semesters)

**Maximum duration:** 4 years

**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after completion of DIT.

Fourth Semester		
Sub. Code	Title	Credits
BT0080	Fundamentals of Algorithms	4
BT0081	Software Engineering	4
BT0082	Visual Basic	4
BT0083	Server Side Programming - Theory	4
BT0084	Technical Communications - Practical	2
BT0085	Server Side Programming - Practical	2
Total Cumulative Credits		80

Fifth Semester		
Sub. Code	Title	Credits
BT0086	Mobile Computing	4
BT0087	WML and WAP Programming - Theory	2
BT0088	Cryptography and Network Security	4
BT0089	Elective -1 &	4
BT0090	Elective - 2 #	4
BT0091	WML and WAP Programming - Practical	2
Total Cumulative Credits		100

Sixth Semester		
Sub. Code	Title	Credits
BT0092	Software Project Management	4
BT0093	Elective - 3 \$	4
BT0094	Elective - 4 @	4
BT0095	Project Work	8
Total Cumulative Credits		120

Electives			
Elective - 1 (Choose One) &		Elective - 2 (Choose One) #	
BT8901	Object Oriented Systems	BT 9001	Data Mining
BT8902	E-Commerce	BT 9002	Grid Computing
BT8903	C# Programming	BT 9003	Data Storage Management
Elective - 3 (Choose One) \$		Elective - 4 (Choose One) @	
BT9301	Computer Graphics	BT9401	Pattern Recognition
BT9302	Human Computer Interface	BT9402	Artificial Intelligence
BT9303	Design Patterns	BT9403	Virtual Reality

\* For list of approved reputed institutions visit our website [www.smude.edu.in](http://www.smude.edu.in)

Fast growing information technology and communication systems have become critical components of almost every company's strategic plan. Companies which want to take advantage of the new information technologies and communication systems require expert professionals, who can apply computer science principles to solve problems produced by the interface between business and technology. This is an undergraduate program where students are exposed to various areas of computer applications including the latest developments in the industry.

**Objectives:** The program aims at realizing the following student objectives -

- Demonstrating sound knowledge in key areas of computer science or industrial computing.
- Demonstrating a substantial understanding of concepts in key areas of computer science.
- Carrying out the required analysis and synthesis involved in computer systems, information systems and computer applications.
- Demonstrating professional competence in developing software and in its design and implementation.
- Developing sound practical skills in order to address problems which arise from computer systems and applications.
- Demonstrating sound presentation and communication skills, which are required in the computer industry.

After completion of the program, students of high academic standard shall be capable of competing for employment in a chosen professional area and pursuing career development in that area.

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

**Semester Fee:** Rs. 10,450/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration:** 3 years (6 semesters).

**Maximum duration:** 6 years.

**Minimum counseling and hands-on experience at Learning Centres:** 200 hrs/semester.

**Program Structure**

First Semester		
Sub. Code	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
<b>Total Cumulative Credits</b>		<b>20</b>

**Provision for lateral entry to second semester of BCA :**

**Eligibility:**

- (a) 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education and six month computer course from a reputed institution \*. **OR**
- (b) 3 year Diploma in IT/CS from a State Board of Technical Education

**Additional Fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800 /- (including examination fees) is payable by students opting for this scheme.

**Note:** In this lateral entry scheme, students have to appear and pass the first semester examination. Books of first semester will be supplied by the University and internal assessment will be completed at the Learning Centres.

Second Semester		
Sub. Code	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
<b>Total Cumulative Credits</b>		<b>40</b>

Third Semester		
Sub. Code	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
<b>Total Cumulative Credits</b>		<b>60</b>

\* For list of approved reputed institutions visit our website [www.smude.edu.in](http://www.smude.edu.in)

# Bachelor of Computer Applications

(Revised Fall 2007)

**BCA**

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

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

Fifth Semester		
Sub. Code	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
	<b>Total Cumulative Credits</b>	<b>100</b>

*Elective (Choose 1)	
BC5901	Artificial Intelligence
BC5902	Image Processing



The world has become a small village due to the revolution in Information Technology. It has affected almost all walks of life, be it business, education, entertainment services and healthcare.

This program is designed to produce a dynamic breed of computer professionals with excellent managerial skills. Emphasis is given to in-depth studies of numerous application-oriented subjects, covering various methodologies to develop software products efficiently by utilizing advance networking technologies and application software.

MCA is a program of 6 semesters with the provision of multiple exit degree system. Depending on the qualifications & conditions specified, different options are presented here.

**Objectives:** The program aims at realizing the following objectives-

- Providing specialization in computer science with technical, professional and communication skills.
- Train future industry professionals.

**Eligibility:** 3 year Graduation.

**Semester Fee:** I & II Semester: Rs.11,700/- per semester, III, IV, V and VI semester: Rs.12,700/- per semester(inclusive of Exam Fee Rs.800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration:** 1 year (2 semesters) {for PGDCA};

2 years (4 semesters) {for MScCS}; 3 years (6 semesters) {for MCA}.

**Maximum duration:** 2 years {for PGDCA}; 4 years {for MScCS}; 6 years {for MCA}.

**Minimum counseling and hands-on experience at Learning Centres:** 200 hrs/semester.

**Program Structure**

First Semester		
Sub. Code	Title	Credits
MC0061	Computer Programming "C Language"	4
MC0062	Digital Systems, Computer Organization & Architecture	4
MC0063	Discrete Mathematics	4
MC0064	Basic Web Development (Internet, HTML, Stylesheets & Basics of Multimedia)	4
MC0065	Financial Management & Accounting	4
<b>Total Cumulative Credits</b>		<b>20</b>

**Provision for lateral entry to the second semester of MCA :**

**Eligibility:** 3 year graduation and six month Computer course from a reputed institution \*.

**Additional Fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (including examination fees) is payable by the students opting under this scheme.

**Note:** In this Lateral Entry Scheme, students have to appear and pass the First Semester Examination. Books of First semester will be supplied by the University and Internal Assessment will be completed at the Learning centre.

Second Semester		
Sub. Code	Title	Credits
MC0066	OOPS Using C++	4
MC0067	Database Management System (DBMS and Oracle 9i)	4
MC0068	Data Structures Using C	4
MC0069	System Analysis & Design (SAD)	4
MC0070	Operating Systems with Unix	4
<b>Total Cumulative Credits</b>		<b>40</b>

**Post Graduate Diploma in Computer Applications [PGDCA].**

PGDCA is an initiation program for students who want to become skillful and knowledgeable IT professionals. The program gives fundamental knowledge of computers, operating systems, internet, computational techniques, file & data structure and the core of programming. After successful completion of the first two semesters of MCA, if a student wishes to discontinue the program, such a student shall be awarded the Post Graduate Diploma in Computer Applications [PGDCA] as an exit qualification.

**Provision for Re- entry to third semester of MCA/MScCS:**

**Eligibility :** PGDCA of SMU ( Revised Fall 2007)

**Semester Fee:** Rs.12,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration:** 2 years ( 4 semesters )

**Maximum duration:** 4 years

**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after completion of PGDCA.

\* For list of approved reputed institutions visit our website [www.smude.edu.in](http://www.smude.edu.in)

# Master of Computer Applications (Revised Fall 2007)

## Master of Science in Computer Science

**MCA**  
**MScCS**

### Provision for lateral entry to the third semester of MCA :

#### Eligibility:

(a) BCA / BSc (IT/CS/AIT) / BE in (IT/CS/E&C/E&E) / BTech in (IT/CS/E&C/E&E) from a recognized University. This category is not eligible for exit qualification for MScCS.

OR

(b) 3 year graduation with PGDCA/PGDIT or equivalent from a recognized University/successful completion of A level course (Computers) from DOEACC after graduation.

OR

(c) 3 year graduation with 2 year diploma from CMC/ET&T/NIIT/APTECH/ 2 years Advanced Diploma in IT from Centre for Electronic Design and Technology of India (CEDTI). This category is not eligible for exit qualification for MScCS.

**Additional Fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (including examination fees) is payable by the students opting under this scheme.

**Note:** In this Lateral Entry Scheme, students have to appear and pass the Second Semester Examination. Books of second semester will be supplied by the University and Internal Assessment will be completed at the Learning centre.

Third Semester		
Sub. Code	Title	Credits
MC0071	Software Engineering	4
MC0072	Computer Graphics	4
MC0073	System Programming	4
MC0074	Statistical & Numerical Methods using C++	4
MC0075	Computer Networks	4
Total Cumulative Credits		60

Fourth Semester		
Sub. Code	Title	Credits
MC0076	Management Information Systems	4
MC0077	Advanced Database Systems	4
MC0078	Java Programming	4
MC0079	Computer Based Optimization Methods (Statistics / Applied OR)	4
MC0080	Analysis & Design of Algorithms	4
Total Cumulative Credits		80

### Master of Science in Computer Science [MScCS]

After successful completion of the first four semesters of MCA, if a student wishes to discontinue the program, such a student shall be awarded the Master of Science in Computer Science (MScCS) as an exit qualification.

### Provision for Re- entry to fifth semester of MCA:

**Eligibility :** MScCS of SMU ( Revised Fall 2007)

**Semester Fee :** Rs.12,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration:** 1 year ( 2 semesters)

**Maximum duration:** 2 years

**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after completion of MScCS.

Fifth Semester		
Sub. Code	Title	Credits
MC0081	. (DOT) Net Technologies	4
MC0082	Theory of Computer Science	4
MC0083	Object Oriented Analysis & Design using UML	4
MC0084	Software Project Management & Quality Assurance	4
MC0085	Advanced Operating Systems (Distributed Systems)	4
Total Cumulative Credits		100

Sixth Semester		
Sub. Code	Title	Credits
MC0086	Digital Image Processing	4
MC0087	Internetworking with TCP/IP	4
MC0088	Data Mining	4
MC0089	Project	8
Total Cumulative Credits		120

The MSc-IT program is aimed at designing and implementing advanced traditional computing environment. IT architecture is an integrated framework for acquiring and evolving IT to achieve strategic goals. It has both 'logical' and 'technical' components. The logical components include mission, functional and informational requirements, system configurations, and information flows. The technical components include IT standards and rules that will be used to implement the logical architecture. It therefore includes both computing and communication network technology in the same world.

The primary objectives of the program are as under:

- To equip postgraduate students with an integrated set of skills that will allow them to develop their professional careers in Information Technology.
- To equip students with the theoretical and practical knowledge that is necessary to enable them to understand the design of complex computer applications/science.
- The program also prepares students to embrace future developments in the field and has a demonstrated professional relevance.
- The program helps students to acquire the latest skills and build their future capabilities using world-class technology. At the end of this program, the student will possess a strong foundation of computer systems and information technology.
- Dexterity in advanced programming languages; power to build sophisticated software for wide area of applications.
- Skills to work with higher end applications in internet technologies; also managerial ability to analyze, design, develop and to maintain software development.

**Eligibility :** 3 year Graduation.

**Semester Fee:** Rs. 10,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration :** 2 years (4 semesters).

**Maximum duration :** 4 years.

**Minimum counseling and hands-on experience at learning centres :** 160 hrs/semester.

**Provision for lateral entry to second semester of MSc IT:**

**Eligibility:**

- (a) 3 year Graduation from a recognized University and six month Computer course from a reputed institution \*. OR  
(b) BCA / BSc (IT/CS/AIT) / BE in (IT/CS/E&C/E&E) / BTech in (IT/CS/E&C/E&E) from a recognized University.

**Additional Fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (including examination fees) is payable by the students opting under this scheme.

**Note:** In this Lateral Entry Scheme, students have to appear and pass the First Semester Examination. Books of First semester will be supplied by the University and Internal Assessment will be completed at the Learning centre.

**Program Structure**

First Semester		
Sub. Code	Title	Credits
MT0031	Basics of IT	2
MT0032	Structured System Analysis & Design (SSAD)	2
MT0033	Data Structure Using 'C'	4
MT0034	DBMS & SQL Server	4
MT0035	Internet and Multimedia	4
<b>Total Cumulative Credits</b>		<b>16</b>

Second Semester		
Sub. Code	Title	Credits
MT0036	Switching and Transmission Fundamentals	2
MT0037	Broadband Communication	2
MT0038	Wireless Mobile Communication	2
MT0039	Artificial Intelligence & Remote Communication	2
MT0040	Visual Basic with .NET Technology	4
MT0041	Computer Architecture	4
<b>Total Cumulative Credits</b>		<b>32</b>

**Post Graduate Diploma in Information Technology [ PGDIT ]**

After successful completion of first two semesters of MSc IT, if a student wishes to discontinue the course, such a student shall be awarded the Post Graduate Diploma in Information Technology [ PGDIT ] as an exit qualification.

**Provision for Re- entry into third semester of MScIT:**

**Eligibility:** PGDIT of SMU (Fall 2005)

**Semester Fee:** Rs. 10,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration:** 1 year ( 2 semesters )

**Maximum duration:** 2 years

**Note:** A maximum gap of one year is allowed for the students to get admitted under this scheme after completion of PGDIT.

Third Semester		
Sub. Code	Title	Credits
MT0042	C++	2
MT0043	Discrete Mathematics	2
MT0044	IT Law and Practice	2
MT0045	Java	2
MT0046	Oracle 9i	4
MT0047	Advance Software Engineering	4
<b>Total Cumulative Credits</b>		<b>48</b>

Fourth Semester		
Sub. Code	Title	Credits
MT0048	Client Server Architecture	2
MT0049	Voice Over IP	2
MT0050	Management Information System (MIS)	2
MT0051	Internet Working with TCP/IP	2
MT0052	JAVA Beans (With Servlets, JDBC, JSP, EJB) & XML	4
MT0053	Project	4
<b>Total Cumulative Credits</b>		<b>64</b>

\* For list of approved reputed institutions visit our website [www.smude.edu.in](http://www.smude.edu.in)