

Masters Degree in Computer Science Programme Code: M.Sc.(C.S.)

Objectives:

- To give the learners knowledge of advance computer subjects including software and hardware.
- To enable the learners to get a better job in the computer industry. The jobs may include – System Analysts, Programmers, Technical Facilitators in the industries and teaching posts in colleges and universities.
- To enable the learners to work as system managers and hardware engineers in IT industry.

Admission Eligibility

:

Graduate from any university in any discipline with 50% Marks in graduation. Duration : Min 2 years Max 4 Years

Or

PGDCA from VM Open University or Graduate + PGDCA From any other University provide he/she has covered 70% Of the syllabus of PGDCA of VMOU. The student must have Secured 50% marks in graduation. Duration in this case: Min 1 Year Maximum 4 Years.

Medium

:

English

Credits

:

70 (30 for Previous , 40 for Final)

Fee

:

12000/- for M.Sc. (Previous)

(First Instalment Rs.8400/-, Second Instalment Rs.3600/-)

:

15000/- for M.Sc. (Final)

(First Instalment Rs.9000/- & Second Instalment Rs.6000/-)

Programme Structure

M.Sc. (Previous)

S.No.	Name of the Paper	Theory Paper	Practical Paper	Total Marks	Credits
1.	Computer Fundamental & System Software	100	50	150	5

2.	Application Software & Web Designing	100	50	150	5
3.	OOPS Programming with C++ & Java	100	50	150	5
4.	Programming inVB and Dot Net	100	50	150	5
5.	Computer Networking & Internet	100	50	150	5
6.	Project	150		150	5

M.Sc. (Final)

S.No.	Name of the Paper	Theory Paper	Practical Paper	Total Marks	Credits	Counselling Hours
1.	Data Structure and Algorithm	100	50	150	8	Theory 30 Practical 30
2.	Computer Architecture & Microprocessors	100		100	6	Theory 30
3.	Software Engineering	100		100	6	Theory 20
4.	Operating System	100	50	150	6	Theory 20 Practical 20
5.	Data Communication and Networks	100		100	6	Theory 20
6.	Project	300		300	8	Practical 50

Scheme of Study :

The university has launched M.Sc. (Computer Science) programme in integration with existing PGDCA programme of the university. The PGDCA will be treated as the first year of M.Sc. Ist year and the above mentioned paper will constitute IInd year of M.Sc. (Computer Science). The programme will be initially started at six study centres working under six Regional centres of the university located at Kota, Jaipur, Jodhpur, Udaipur, Ajmer and Bikaner. A student who is graduate and takes admission in M.Sc. (Computer Science) programme, will first have to qualify all the papers of PGDCA programme being run by the university. After completing first year of M.Sc. programme, if a student do not want to continue his/her studies, he/she shall be awarded PG Diploma in Computer Application by the university.

Counselling Classes: The counselling for the M.Sc. programme will be held at the study centers located at six Regional centres of the University. The counselling may be extended to other study centres if the number of students at a particular center exceeds 25 in number.

Examination Pattern :

The details of M.Sc. (Previous) is available with PGDCA details in this application form.

On the completion of the minimum duration i.e. one year in M.Sc. (Final), a candidate will be examined by means of theory and practical examination. Paper 1 and paper IV have a practical component associated with them. Paper 2, 3 and 5 do not have any practical components associated with them. Paper 6 is a project work which is exclusively related with the practical component. Once a student completes all the components of PGDCA and the above mentioned components of M.Sc., then he/she will be awarded the degree of M.Sc. (Computer Science) from the university.

To pass the examination, a candidate will have to obtain a minimum of 36% marks in each course separately for theory and practical. The successful candidates shall be classified as under:

I Division	:	60% or above
II Division	:	48% or above and less than 60%
Pass	:	36% or above and less than 48%