

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
STUDENT REGISTRATION DIVISION

F. No. : IG/SRD/R-V/Notif/2020
Dated 23rd December, 2020

NOTIFICATION

Subject: Revision of Master of Computer Applications (MCA) programme from January, 2021 Admission Cycle - Reg.

With the approval of the Competent Authority, it is hereby notified that the **Master of Computer Applications (MCA) programme** has been revised in terms of program structure, programme fee, eligibility, etc. The revised code for the program shall be **MCA_NEW** and it will be on offer from January 2021 admission cycle.

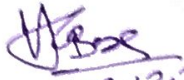
The details of the Program Coordinator are as follows:

Name : Mr. Akshay Kumar
Contact No. : 011-29572914
Email : mca@ignou.ac.in

The revised programme details as received from **SOCIS** are enclosed / attached herewith for information.

Distribution to:

1. All Schools / Divisions
2. All Regional Centres
3. Director, RSD - for compilation / updating of the list of programmes / study centres
4. Director, SOCIS
5. Programme Co-ordinator, MCA_NEW
6. DD, VCO
7. All sections of SRD/CSRC
8. Office copy


23.12.20
Registrar (SRD)
कुलसचिव (वि.पं.प्र.) इग्नू
Dr. Himansu Kumar Bose
Registrar (SRD) IGNOU

Master of Computer Applications (MCA_NEW) (Revised)

School of Computer & Information Sciences (SOCIS)

The broad objective of the MCA is to prepare graduate students for productive careers in software industry and academia by providing an environment for teaching and research in the core and emerging areas of the discipline. The programme's thrust is on giving the students a thorough and sound background in theoretical and application- oriented courses relevant to the latest computer software development.

Eligibility:

- (a) Passed BCA/B.Sc (Computer Science/IT)/ Bachelor Degree in Computer Science Engineering or Equivalent Degree
- (b) Obtained atleast 50% marks in the qualifying examination (45% marks in case of candidates belonging to reserved category)

OR

- (a) (i) Any Bachelor's degree of minimum 3 (three) year duration from a recognized University AND Mathematics as one of the subjects at 10+2 level or graduation level
- (ii) Obtained atleast 50% marks in the qualifying examination (45% marks in case of candidates belonging to reserved category).
- (b) Successfully completed **PGDCA of IGNOU**

Medium of Instruction: English

Duration: Minimum 2 years and Maximum 4 years; offered in both January & July cycle of admissions

Fee Structure: Rs. 48,000/- for full programme to be paid semester wise @Rs. 12000/- per semester.

Programme Details:

The programme has been divided into two semesters per year (January-June and July-December). Consequently, there will be two examinations every year – one in the month of June for the January to June Semester courses and the other is December for the July to December semester courses. The students are at liberty to appear any of the examinations conducted by the University during the year subject to completing the minimum time frame and other formalities prescribed for the programme.

Course Code	Title of the Course	Credits
First Year		
I Semester		
MCS 211	Design and Analysis of Algorithms	4
MCS 212	Discrete Mathematics	4
MCS 213	Software Engineering	4
MCS 214	Professional Skills and Ethics	2
MCS 215	Security and Cyber Laws	2
MCSL 216	DAA and Web Design Lab	2
MCSL 217	Software Engineering Lab	2
II Semester		
MCS 218	Data Communication and Computer Networks	4
MCS 219	Object Oriented Analysis and Design	4
MCS 220	Web Technologies	4
MCS 221	Data Warehousing and Data Mining	4
MCSL 222	OOAD and Web Technologies Lab	2
MCSL 223	Computer Network and Data Mining Lab	2
Second Year		
III Semester		
MCS 224	Artificial Intelligence and Machine Learning	4
MCS 225	Accountancy and Financial Management	4
MCS 226	Data Science and Big Data	4
MCS 227	Cloud Computing and IoT	4
MCSL 228	AI and Machine Learning Lab	2
MCSL 229	Cloud and Data Science Lab	2

IV Semester		
MCS 230	Digital Image Processing and Computer Vision	4
MCS 231	Mobile Computing	4
MCSP 232	Project	12
Total Credits		80

No. of Theory Courses -15, No. of Practical Courses -6, Project-1, Total Credits: 80

Programme Coordinator: Mr. Akshay Kumar, mca@ignou.ac.in