

Master of Computer Applications (MCA)

The objective of the programme is to produce trained computer professionals with hands on experience who will be able to handle software challenges in industry/academia.

Period of study : 3 years

Medium : English

Eligibility : i) The candidate should have passed the Bachelors degree other than BFA & BOL of any university recognized by GITAM University as equivalent thereto. A candidate with professional qualification such as BE/B.Tech./B.Pharm/B.Sc/BA/B.Com/BA/Medicine /Law/CA/ICWA/ACS/AMIE/AIETE, etc., is also eligible provided he/she had studied Mathematics as one of the subjects at Intermediate or 10+2 level.

ii) The candidate should have appeared for GAT examination conducted by GITAM University and obtained a rank in GAT subject to the fulfillment of the eligibility criteria.

First Year

S No	Subject	Credits
01	Problem Solving and Programming	6
02	Discrete Mathematics	6
03	Computer Organization	6
04	Data Structures	6
05	Database Management Systems	6
06	Communication Skills	4
07	C & Data Structures Lab	3
08	Database Management Systems Lab	3
	Total	40

Second Year

01	Operating Systems	6
02	Data Communication and Computer Networks	6
03	Object Oriented Technologies and Java Programming	6
04	Software Engineering	6
05	Design and Analysis of Algorithms	6
06	Computer Graphics and Multimedia	6
07	Operating Systems Lab	3
08	Java Programming Lab	3
	Total	42

Third Year

01	Object Oriented Analysis and Design	6
02	Artificial Intelligence and Knowledge Management	6
03	Advanced Internet Technologies	6
04	Advanced Internet Technologies Lab	3
05	Project	15
	Total	36
	Grand Total	118

Note :

- After successful completion of first year, a candidate will be awarded P.G. Diploma in Computer Applications. (PGDCA).
- After successful completion of second year, a candidate will be awarded P.G. Advanced Diploma in Computer Applications (PGADCA).
- After successful completion of third year, a candidate will be awarded MCA.