



FOUNDATION For Your Future



**Master of
Computer Application (MCA)
with an Elective in Data Science**



2 Years | UGC Entitled Online Degree Program

Live Sessions

Self Learning Material

Discussion Forums

Online Exams



About the Elective

This year, there are an estimated 2.7 million job postings in data science and analytics globally. The Indian data science industry is growing at over 33% and has consistently been among the fastest-growing industries.

The market is particularly strong for technology professionals who straddle computer science, applications and data science. An individual who understands both the use of data to generate insights, but also how to integrate these data science models into computer systems – is worth their weight in gold. And companies recognize and reward such talent. This elective will help you develop both sound computing foundations and an incisive analytical mind. The MCA Data Science Program first builds your foundations with a comprehensive software & computer applications curriculum and adds a deep dive into a data science & analytics techniques – allowing you to develop end-to-end, data-powered software systems.

Elective Highlights

- + Practical industry-focused curriculum that is appreciated by a panel of industry experts
- + Learn to compete and succeed in competitive data science challenges on platforms like Kaggle
- + Learn all the relevant technologies – Python and relevant packages like NumPy, SciPy, ScikitLearn, Matplotlib, Data visualization tools like Tableau, and SQL For ETL
- + Get a shareable e-portfolio with all the projects you have completed to showcase your expertise
- + Learn the “Tricks of the Trade” through a series of sessions delivered by practicing data scientists
- + A plethora of timely, up-to-date career-specific content including industry reports, interview guides, resume guides, practice questions and masterclasses

Eligibility

Pass in an Undergraduate (Bachelor) Program of a minimum duration of three (3) years in any stream from a UGC Recognized University, with a minimum aggregate of 50% or an equivalent letter/numerical grade. A relaxation of 5% shall be given to SC/ST candidates.

Candidates who are in the final semester of the Bachelor Program are also eligible to apply.

Duration

2 Years (4 Semesters)

Fee Structure

Tuition Fee						One Time University Registration Fee		Annual Examination Fee	
Domestic			International			Domestic	International	Domestic	International
Semester	Yearly	Total	Semester	Yearly	Total				
₹ 50,000	₹ 1,00,000	₹ 2,00,000	\$1,050	\$2,100	\$4,200	₹ 2,500	\$150	₹ 3,000	\$50

Admission Process

- + Visit our website <https://onlinejain.com>
- + Enquire now
- + Talk to our counsellors for more details
- + Apply for the right program
- + Provisional confirmation of admission
- + Document verification
- + Pay tuition/program fee
- + Confirmation of admission
- + Lms activation & issue of digital identity card
- + Start your pre-semester program
- + Commencement of live online sessions

Syllabus

Semester 1	Semester 2	Semester 3	Semester 4
Mathematical Foundation for Computer Application	Relational Database Management System*	Application Development using Python*	Data Mining*
Operating System and Unix Shell Programming*	Design and Analysis of Algorithms*	Advanced Web Technologies*	Time series Analytics*
Data Communication and Computer Networks	Java Programming*	Data Visualization*	Text Mining*
Data Structures with Algorithms*	Python for Data Science*	SQL for Data Science*	ComputerApplied Analytics - Marketing, Web, Social Media Vision*
Computer Organization and Architecture	Statistical Methods in Decision Making	Predictive Analytics using Machine Learning*	Cross-Functional Elective Course
		Open Elective Course	Project**

How #ItAllAddsUp to a successful career!



UGC Entitled Online Degree Programs



Collaborations with Global Professional Bodies



A Wide Range of Cross-functional
and Open Elective Courses



Learning Hours and Credits at Par
with On-Campus Programs



Global Faculties



Learn Anytime, Anywhere and on Any Device



Diversity - Learners from 43 + Countries



Innovative Learning Methodology



Access to 20,000 + LinkedIn Learning Courses



Additional Live Sessions Imparting
25 Key Skills for Success



Personalized Support Through Dedicated
Program Managers



High Quality Global Standard Education
with Flexible Fee Payments



Career Advancement Services



2000+ Global Hiring Corporates



 www.onlinejain.com

