



**Indian Institute of Information Technology  
Lucknow**

**M.Sc.  
Data Science**

**Offered by**

**Department of Mathematics**

# At a Glance

Indian Institute of Information Technology, Lucknow (IIIT Lucknow) is one of the 20 IIITs being set up by the Central Government in Public Private Partnership (PPP) mode. The mission of IIIT Lucknow is to be a unique and world class nucleating “Apex Center of Excellence” in the area of Information Technology so as to enhance India’s technological strength in Information Technology. It currently offers all the amenities, academic and non-academic to its students that can help them flourish and serve the nation with all their apprehension in the various fields of technology.

IIIT Lucknow introduces M.Sc. in Data Science with the focus of catering young minds with the idea of Data Story-telling. The focus of this course is to make the students industry ready. The course has been designed in a such a way that students having basic background in mathematics at the entry level can fruitfully participate in this program. After completing each semester students can take up various capstone projects based on their learning.

## Contact

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 <https://iiitl.ac.in/>



**IIIT Lucknow**

**Department of Mathematics**

# M. Sc. Data Science



## Eligibility & Selection

### JAM Joint Admission Test for Masters

Bachelor's degree (B.A. /B.Sc. /B.Stat. /B.Math./ B.Tech/B.E. or equivalent) with a background in Mathematics, Statistics, Computer Science or Physics. Those in the final year of their undergraduate program are also eligible to apply. Selection for the programme will be through Joint Admission Test for Masters (JAM).

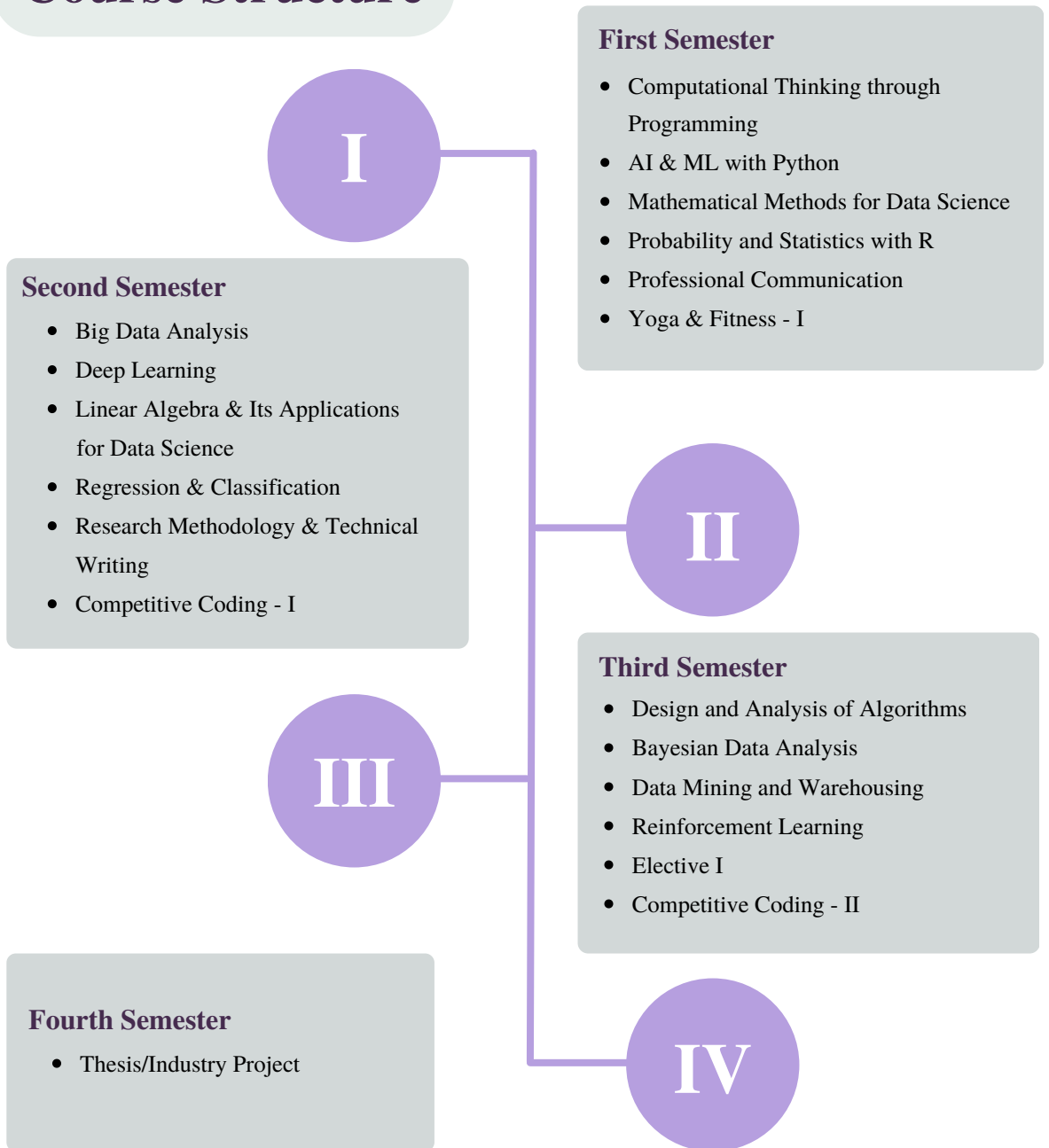
## How to Apply

### CCMN 2024

<https://ccmn.admissions.nic.in/>

CCMN-2024 is a common platform for candidates to apply for M.Sc. programmes, based on their JAM score of year 2024, in NITs, IITs and some GFTIs (for details, please refer to the list of participating Institutes on the CCMN website). This centralized system provides a common and convenient platform for online counselling wherein the candidates can fill in a single online application from their homes and apply to all programmes in all the participating institutions to which they are eligible.

## Course Structure



### Pool of Electives

- Natural Language Processing
- Mathematical Finance
- Financial Data Analysis
- Topological Data Analysis
- Numerical Optimization
- Algorithmic Trading



## Fee Structure

	Semester I	Semester II	Semester III	Semester IV
Total Fees *	72000	51500	53500	51500

\*Hostel and Mess charges will be separate.

## Seat Matrix

Open	Open-PwD	EWS	SC	ST	OBC-NCL	Total
11	1	3	5	2	8	30



## NEP 2020 Implementation

### Multiple Entry Multiple Exit

According to 11.5 of NEP 2020 (pp 37), we have implemented multiple entry and exit point for our M.Sc. 2023 batch onwards in the following manner:

- Any student can leave the course after FIRST year of M.Sc.; such students will be granted **Post Graduate Diploma in Data Science**.
  - **Cooling Period** : The student who wants to leave his/her study after FIRST year can leave, however to complete the M.Sc. Degree, (s)he has to come back and join the course directly in SECOND year within the block period of two years. (S)He will get at most four years to complete M.Sc. degree.
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### Multidisciplinary Education

According to 11.7 of NEP 2020 (pp 37), a course in Professional Communication and Yoga & Fitness- I, II have been included in the course structure.

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### Multi-Mode and Digital Education

According to the point 24 of NEP 2020 (pp 58), the subjects which are running in online mode, will be evaluated through proctored online examination.