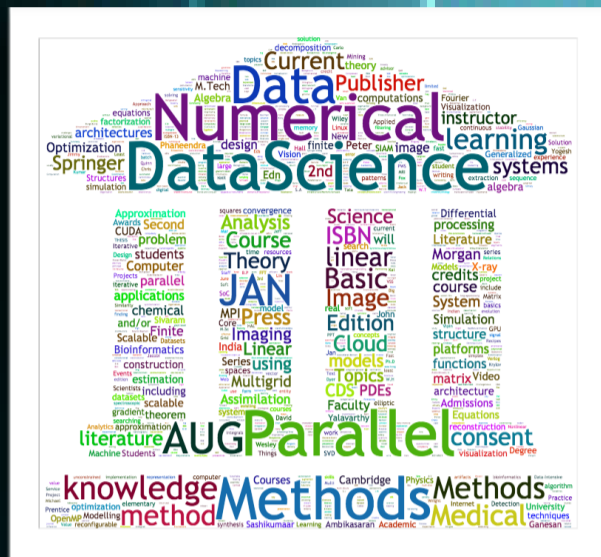# MTech
(Computational and Data Science)

Two-year Degree Programme @ Department of Computational and Data Sciences

Indian Institute of Science, Bengaluru

https://cds.iisc.ac.in

Department of Computational and Data Sciences

Design of the Programme

The **MTech (Computational and Data Science)** degree at CDS is designed to be completed in 24 months. Students will take 36 credits of **course work** over 2-3 semesters. Courses are divided into mandatory (14 credits), soft core (10 credits) and electives from across the Institute (12 credits). Students will also complete a **dissertation project** worth 28 credits over a 12-month period.

The programme imparts **foundational techniques and systems skills** for computational and data sciences, with students allowed to choose advanced courses to specialize on **methods, platforms and applications.** Complete programme details are at: https://cds.iisc.ac.in

Highlights

- First degree programme launched in India from a premier institution to train students as **data scientists**.
- **Interdisciplinary course work** on computational and data science methods, computer systems and diverse applications in bioinformatics, medical imaging, computational physics and quantum computing.
- **Globally renowned faculty** on computer vision, NLP, computational engineering and scalable systems, and access to HPC and GPU **advanced computing infrastructure**.
- Curriculum emphasizes both **foundations and applied skills**, preparing students for research and development in these emerging areas.
- **One-year dissertation project** gives comprehensive experience on applying learnings to practical topics.
- Unique Research Methods training series to develop the **soft skills** on entrepreneurship, publishing, etc.
- **100% placements** with industry-leading compensation. Option to continue for a **PhD degree**.

Eligibility

- BE/BTech/MSc/MCA/four-year BS or equivalent in any discipline of science/engineering.
- Valid GATE score from a range of subjects, or a CFTI degree with CGPA ≥8.0
- Strong mathematical and programming background.
- Applications due: **March 22, 2024**

ADMISSIONS INFO

MORE INFO

GATE MODE

CFTI MODE