



# Department of Astronomy, Astrophysics And Space Engineering Indian Institute of Technology Indore Khandwa Road, Simrol, Indore 453552

## **M.S. / M.S. + Ph.D Dual Degree Program In**

## **Space Science and Engineering**

### Scope of the Course

*In today's world, Space is not just about human curiosity in knowing what's beyond. Space has turned out to be a frontier essential to address plethora of current issues as well as future prosperity. It includes study and prediction of climate change, communication, navigation, defense, security, survey, agriculture, environment, ecology and astronomy. It is essential to develop technology and trained human resource to meet the enormous requirement in this sector both in government and private sectors. The students trained in UG/PG degrees in other disciplines have the basic foundation but falls short of the specialized skills required to carry out research in the domain of Space Sciences and Engineering.*

This program is designed to help candidates to get into specialized fields related to Space Sciences and Engineering, learn some basic domain knowledge and get exposed to research in the areas related to Space Sciences and Engineering. Students graduating from this program are expected to thrive in higher studies in the domain as well as apply for high skilled jobs in the space and related industries.

### Minimum Education Qualifications

A four year bachelor's degree (BE or BTech), or a two years or five years integrated master's degree (MSc or MTech or ME) with first-class or first division (as decided by the awarding institute/university), in **Physics, Applied Physics, Astronomy, Astrophysics, Space Science and Engineering, Earth and Atmospheric Science and Engineering, Remote Sensing, Engineering Physics, Aerospace Engineering, Aeronautics, Electronics and Communications Engineering, Electrical Engineering.**

**Relaxation for SC and ST category applicants as per GoI norms.**

### Qualifying Examinations

- **International students** : Valid score of TOEFL or IELTS and valid score of GRE
- **Indian students** : Valid GATE qualification in the relevant disciplines.
- **Relevant GATE papers:** AE, EC, EE, PH, XE

### Selection Criteria

GATE Score and Interview. (Valid GATE score compulsory for TA category)

### Categories of Admission for Indian Students

1. **TA:** Teaching Assistantship (TA) under this category on Full Time basis.
2. **SW:** Excellent eligible applicants sponsored by a reputed Industry or R & D Organization with minimum work experience of two years, under Sponsored category (SW) as Full-Time.
3. **DF:** Applicants from the Defence Forces under this category.
4. **IS:** Institute staff members of IIT Indore on Part-Time basis.

### Contacts

For further details please visit:

[https://academic.iiti.ac.in:8443/Admm/2021\\_MTech\\_and\\_MS\\_\(Research\)\\_Advertisement.pdf](https://academic.iiti.ac.in:8443/Admm/2021_MTech_and_MS_(Research)_Advertisement.pdf), &  
[http://people.iiti.ac.in/~astro/beta\\_astro/](http://people.iiti.ac.in/~astro/beta_astro/)

Email: [pc-ms-sse@iiti.ac.in](mailto:pc-ms-sse@iiti.ac.in)

### Features of the Program -

2 years full-time. (1 semester of course work, 3 semesters of thesis research)