

Template for a ‘Space Technology Minor’ for Undergraduate Students at IIT Kanpur

A Joint minor from Space, Planetary and Astronomical Sciences and Engineering (SPASE) and Aerospace Engineering (AE)

The current list of courses is given below. More courses will be added to this later.

Joint Minor (SPASE & AE)				New Template
Space Technology Minor	Title	Space Technology		Remarks
	Courses (9 credit each)	Four Courses from following:		<ul style="list-style-type: none"> All four courses cannot be from one single department. The credit of the course chosen in the joint minor must not be deduplicated with either AE minor or SPASE minor.
		AE641 or SPA620		
		SPA626		
		AE642 or AE645 or SPA637		
		AE644		
		SPA402		
		SPA601		
		AE777		
		SPA615		
Total Credit Required: 36				

Basket of Courses:

- Space dynamics I (AE641) or Solar System Mechanics (SPA620)
- Space environment and systems (SPA626)
- Spacecraft attitude dynamics & control (AE 642) or Spacecraft guidance, navigation and control (AE645) or Spacecraft dynamics (SPA637)
- Rocket and Space propulsion (AE644)
- Manmade Satellite and its environment (SPA402)
- Space and Astronomical instrumentation (SPA601)
- Optimal space flight control (AE777)
- Observational techniques & telescopes (SPA615)