

Indian Institute of Engineering, Science and Technology, Shibpur
PO: B. Garden; Howrah-711103
West Bengal, India.

List of Open Electives for PG Course for First Semester students

Sl. No.	Name of the Department offering the Open Elective	Name of the Open Elective Subject alongwith Code	
1	Aerospace Engineering and Applied Mechanics	Human Body Mechanics	AM 5133
		Mechantronics	AM 5131
2	Architecture, Town and Regional Planning	Climate Change & Human Settlement	AP 6132
		Smart City Planning	AP 6231
3	Centre for Healthcare Science & Technology	Materials and Mechanics in Medicine	HC 1101
		Safety in Operations-Mechanical and Materials Handling	HCS 1103
4	Centre of Excellence in Green Energy and Sensor Systems	Fundamentals of Renewable Energy and its Impact on Environment	
5	Chemistry	Chemistry of Nanomaterials	
		Spectroscopy for Chemical Analysis	
6	Civil Engineering	Climate Change Impact Analysis	
7	Computer Science and Technology	Soft Computing	CS 5114/1
8	Earth Science	Introduction to Earth Materials	GE 5106
9	Electrical Engineering	Illumination Engineering for Practicing Engineers	
		Power Supplies for Electrical Equipment	
10	Electronics and Telecommunication Engineering	Electronic Communication Systems	ET 5170
11	Information Technology	Complex Systems and Cellular Automata	
12	Mathematics	Discrete Mathematics	MA4105
13	Mechanical Engineering	Renewable Energy	ME 5106
14	Metallurgy and Materials Engineering	Mechanical Behaviour of Engineering Materials	MM 0908
		Multiscale Modelling	MM 0909
15	Mining Engineering	Ergonomics	
16	Physics	Dynamical Systems-I	PH 5140
		Basics and applications of quantum mechanics	PH 5141
17	School of Community Science & Technology	Community Nutrition	FN 5105
18	School of Materials Science and Engineering	Crystallography and X-ray diffraction	MT 5105
		Bio-Materials	MT 5205
19	School of VLSI Technology	Logic Synthesis and Verification	
20	School of Management Sciences	Introduction to General Management	MB5131
21	Humanities & Social Sciences	Technical and Research writing for Engineers	HS5162