



Office of the Dean Academic
Indian Institute of Engineering Science and Technology, Shibpur
(Formerly Bengal Engineering & Science University, Shibpur)
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No. 535/ACAD/2025

Date: December 14, 2025

NOTICE

All PG 2nd Semester students are hereby being notified to provide their choice of Open Elective subjects via the Google Form linked below:

PG 2nd Semester OE Choice Google Form: <https://forms.gle/yxq3dnyhc9LC9PtL6>

Deadline for filling up the above form: **17th December 2025, Wednesday within 3PM**

The students must go through the attached list of Pre-requisites before they fill their choice.

Important instructions:

1. Twenty-one (21) Open Elective (OE) subjects are being offered for PG 2nd semester students. You must go through the corresponding prerequisites of all OEs before you make your choice.
2. You can choose OEs offered by other dept./center/school, as well as your own dept./center/school.
3. Make sure to rank ALL 21 OEs as per your preference (choice 1, choice 2 ... upto choice 21). No OE should be left out. This will enable the Academic Section to match your preference with available OE vacancies in the best possible way.
4. NO OE CHOICE SHOULD BE REPEATED. In case of repeated subject choice, the Academic Section shall assign any subject in place of the repetition.
5. Students' choices will be given precedence based on their final UG marks (pre-final marks will be considered in case the final result is yet to be published)

This is issued with the approval of the Dean (Academic).


Sd/-
Dr. Nirmalya Kumar Bhattacharyya
Joint Registrar (Academic)

No. 535/ACAD/1(04)/2025

Date: December 14, 2025

Copy forwarded for information and necessary action to:

1. All Heads of the Departments/Schools/Centers
2. The Chairman-SPGC
3. The Academic Section-File
4. Institute Website


Joint Registrar (Academic)
IIEST, Shibpur

Sl No.	Name of the Department / School / Centre	Title of the Subject	Code of the Sub	Prerequisite Subject Names (Enter comma-separated)
1	Information Technology	CAD Algorithms for VLSI	IT 5261N	Introductory course on Embedded Systems, Signals Systems
2	School of VLSI Technology	FPGA System Design	VL5262N	Digital Circuits and Systems
3	Civil Engineering	Waste Management and Circular Economy	CE5264N	Nil
4	Aerospace Engineering and Applied Mechanics	Elastic Stability	AM5266N	Engineering Mechanics, Strength of Materials
5	Aerospace Engineering and Applied Mechanics	Free Surface Flow	AM5263N	Knowledge of Mechanics
6	Aerospace Engineering and Applied Mechanics	Cyber Physical System	AM5265N	Engineering background
7	Aerospace Engineering and Applied Mechanics	Basics of Parallel Computation	AE5261N	Basic programming
8	Electrical Engineering	Power Supplies for Electrical Equipment	EE5262N	A course on Basic Electrical Engineering and Basic Electronics at undergraduate level
9	School of Mechatronics & Robotics	Artificial Intelligence for Robotics	MC5261N	None
10	Mathematics	Numerical Solutions for ODEs and PDEs	MA5261N	Graduate courses in numerical methods and in partial differential equations
11	Electronics and Telecommunication Engineering	Wireless Communications for IoT	ET5262N	Digital Communication
12	Humanities and Social Sciences	Introductory Econometrics	HU5265N	Elementary knowledge of calculus, inferential statistics and matrix
13	Chemistry	Spectroscopy for Chemical Analysis	CH5261	None
14	Metallurgy and Materials Engineering	Biomedical Materials and Devices	MM5262N	Physics of Materials
15	Physics	Computational Physics	PH5222N	Basic knowledge in computer programming, elementary idea about classical mechanics, quantum mechanics, statistical mechanics and electromagnetic theory.
16	Physics	LASER and Fiber Optics	PH5223N	Electromagnetic Theory, Basic Optics, Modern Physics
17	Physics	Plasma Physics	PH5224N	Basic Electrodynamics
18	Computer Science and Technology	Computer Control of Industrial Processes	CS5264N	Signals and Systems
19	Centre of Healthcare Science and Technology	Nanotechnology in medicine and biology	HC5263N	<ul style="list-style-type: none"> Basics of Nanoscience and Nanotechnology Basic Cell Biology Physical Chemistry / Surface Chemistry Introduction to Biomedical Engineering
20	Centre of Healthcare Science and Technology	Biotechniques for industrial applications	HC5264N	Basic Biology, Physics & Chemistry
21	Metallurgy and Materials Engineering	Nanostructures and Nanomaterials	MM5261N	Physics of Materials