

Course-type Credits

S.No.	Course-type	Credits
1	Core	23
2	Elective	9
	Total	32

Color code for Minors:

Red: Electronics

Blue: Photonics

Orange: Systems and packaging

Green: Nanoscience in biology & statistics

Grey: Materials & Equipment (In collaboration with Material Engineering Dept IISc)

Purple: Quantum Technology (in collaboration with IISc Quantum initiative)

Core Courses

Course code	Course name	Core/ Elective	Instructor (primary)	Credits
NE201A	Structural and functional characterization: Theory	Core	Akshay Naik	3:0
NE 203	Micro & Nano Fabrication technology & process : Theory	Core	Shankar/ Sushobhan	3:1
NE 206	Semiconductor Device Physics: Basics Devices	Core	Sushobhan	3:1
NE 250	Entrepreneurship: Ethics & Social Impact	Core	Navakanta Bhat	1:0
NE201B	Structural and functional characterization: Lab	Core	Akshay Naik	0:2
NE 202	Micro & Nano fabrication technology & process : Lab	Core	Shankar/ Sushobhan	0:2
NE 241	Material Synthesis: quantum dots to bulk crystals	Core	Pavan Nukala	3:1
NE 200	Technical Writing/Presentation	Core	Sreetosh	3:0
	Total			23:0