

DEPARTMENT-WISE LIST OF MINORS

Department-wise details of the Minors are given below:

Applied Geology					
Title of the Minor	MONSOON			WINTER	
Exploration Geology	GLE202	Resource Geology		GLC512	Petroleum Geology
	GLC527	Exploration Geology and Mineral Economics			
Applied Geophysics					
Title of the Minor	MONSOON			WINTER	
Exploration Geophysics	GPE202	Geophysical Prospecting		GPD510	Reservoir Geophysics and Deep-Water Imaging
	GPD502	Formation Evaluation			
Chemical Engineering					
Title of the Minor	MONSOON			WINTER	
Separation and Purification Technology	CHC201	Chemical Process Calculations		CHC206	Chemical Engineering Thermodynamics
	CHC301	Separation Process Calculations			
Chemistry					
Title of the Minor	MONSOON			WINTER	
Materials Science	CYO501	Instrumental Techniques for Material Characterization		CYD521	Nanomaterials for Advanced Applications
	CYO503	Science of Corrosion and Corrosion Control		CYD502	Polymer Chemistry
Civil Engineering					
Title of the Minor	MONSOON			WINTER	
Infrastructure Engineering	CEC203	Building Materials Construction and Management		CEC208	Geotechnical Engineering
				CEC209	Transportation Engineering
Computer Science & Engineering					
Title of the Minor	MONSOON			WINTER	
Data Science	CSE301	Database Management System		--	
	CSO303	Artificial Intelligence			
	CSO501	Data Mining			
Electrical Engineering					
Title of the Minor	MONSOON			WINTER	
Electrical Technology	EEC201	Signals, Systems and Networks		EEC204	Electrical Machines-I
	EEC202	Analog and Digital Electronics		EEC207	Power System Engineering
Electronic Engineering					
Title of the Minor	MONSOON			WINTER	
Embedded System Design	ECC203	Digital Circuits and System Design		ECC209	Microprocessors and Microcontrollers
	ECO561	Embedded System Design			
Environmental Science & Engineering					
Title of the Minor	MONSOON			WINTER	
Environmental Management	ESC201	Drinking Water Supply and Treatment		ESC206	Environmental Policy and Legislation
	ESC202	Air Pollution			
Fuel, Minerals and Metallurgical Engineering					
Title of the Minor	MONSOON			WINTER	
Metallurgical Engineering	FMC202	Heat and mass transfer		FMC205	Thermodynamics and Kinetics
	FMC302	Extractive Metallurgy		FMC303	Mechanical metallurgy

Management Studies				
Title of the Minor	MONSOON		WINTER	
Operations Management	MSC512	Operations Management	MSC301	Operations Research
	MSC520	Quality Management		
Finance	MSC504	Financial Accounting and Reporting (Modular)	MSC510	Corporate Finance
	MSC505	Cost and Management Accounting (Modular)		
	MSD507	Management of Banks and Financial Institutions		
Marketing	MSC501	Management Principles and Practices	MSC513	Marketing Management
	MSD533	Marketing Research		
Mathematics & Computing				
Title of the Minor	MONSOON		WINTER	
Mathematics and Statistics	MCC203	Real Analysis	MCC509	Statistical Inference
	MCC502	Differential Equations		
Mechanical Engineering				
Title of the Minor	MONSOON		WINTER	
Robotics	MEC201	Kinematic of Machines	MEC207	Dynamics of Machinery
			MED528	Robotics
Manufacturing	MEE201	Engineering Materials	MEC209	Production Technology
			MEO586	Additive Manufacturing
Computational Fluid Dynamics	MEC202	Fluid Mechanics	MEO597	Computational Fluid Dynamics
	MEC594	Basics of Scientific Computing		
Mining Engineering				
Title of the Minor	MONSOON		WINTER	
Mining Methods and Safety	MNC300	Surface Mining	MNC211	Mine Safety Environment
			MNC212	Underground Methods
Mining Machinery Engineering				
Title of the Minor	MONSOON		WINTER	
Material Handling Engineering	MMC301	Mineral Beneficiation Equipment	MMC207	Bulk Material Handling Equipment
	MMC302	Automation and Control in Mining Machines		
Petroleum Engineering				
Title of the Minor	MONSOON		WINTER	
Petroleum Production Operations	PEE201 (ESO)	Introduction to Petroleum Engineering	PEC206	Elements of Petroleum Production Engineering.
	PEC302	Petroleum Production Operations		
Physics				
Title of the Minor	MONSOON		WINTER	
High Energy Physics	PHC202	Mathematical Physics	PHC207	Nuclear Science and Engineering
			PHD503	High Energy Physics
Nanotechnology			PHO400	Nanoelectronics and Nanophotonics
			PHO401	Introduction to Quantum Devices
			PHO503	Physics of Nanomaterials
