

OSMANIA UNIVERSITY, HYDERABAD

PG Courses offered with eligibility Criteria for the Academic year 2023-2024

Note: There may be some changes in the specializations offered by the University for the current academic year i.e. 2023-2024. The changes if any will be updated in due course.

Sl. No.	Name of the Discipline	Specializations / Courses	Eligibility		
			Qualifying Degree	GATE / GPAT Exam	PGECET Exam
1.	Civil Engineering	Structural Engineering	B.E./B.Tech./AMIE in Civil Engg./ Construction Engg. (or) Equivalent	Civil Engg. (CE)	Civil Engg. (CE)
		Water Resources Engineering			
		Geotechnical Engineering.			
		Transportation Engineering (Self – Finance)			
		Mining Engineering (Self – Finance)	B.E./B.Tech./AMIE in Mining Engineering/ Mining and Machinery Engineering (or) Equivalent	Mining Engg.. (MN)	Mining Engg. (MN)
2.	Electrical Engineering	Industrial Drives & Controls	B.E./B.Tech./AMIE in Electrical Engg. (or) equivalent	Electrical Engg. (EE)	Electrical Engg. (EE)
		Power Systems			
		Power Electronics Systems			
		Power Systems Engg.			
		Power Electronics	B.E./B.Tech./AMIE in Electrical Engg. (or) equivalent		
		Power Systems & Power Electronics	B.E./B.Tech in Instrumentation Engg.		
3.	Mechanical Engg.	Production Engg	B.E./B.Tech./AMIE in Mechanical Engg., Automobile Engg., Mechanical Engg. (Mechatronics), Mechanical Engg. (Production Engg.), Aeronautical Engg., Industrial Engg., Production Engg., Industrial and Production Engg., Marine Engg. (or) Equivalent	i) Mechanical Engg. (ME) ii) Production & Industrial Engg. (PI) iii) AE	Mechanical Engg. (ME)
		Automation & Robotics			
		Turbo-machinery			
		Tool Design			
		CAD / CAM			
		Design and Manufacturing			
		Advanced Design and Manufacturing			
		Thermal Engineering			
		Heating Ventilation and Air Conditioning			
4.	Electronics & Comm. Engg.	Digital Systems	B.E./B.Tech in ECE/AMIE in ECE, AMIE (Electronics and Tele-communication Engg.) /AMIETE (Electronics) & Telematics Engg.) (or) Equivalent	Electronics & Communication Engg. (EC)	Electronics & Communication Engg. (EC)
		Microwave & Radar Engg.			
		Systems & Signal Processing			
		Embedded Systems and VLSI Design (Self- Finance)			
		Communication Engg. & Signal Processing			
		Communication Engg.			

5.	Computer Science	Computer Science & Engineering	B.E./B.Tech. /AMIE in CSE /CS/ IT (or) Equivalent	Computer Science & Engg. (CS)	Computer Science & Engg. (CS)
		Parallel and Distributed Systems (<i>Self-Finance</i>)			
		Artificial Intelligence and Machine Learning			
		Artificial Intelligence & Data Science			
6.	Bio-Medical Engg.	Bio-Medical Electronics	B.E./B.Tech in Biomedical Engineering/ Biomedical & Instrumentation Engg./EIE/ECE/ Biotechnology/ Medical electronics . M.Sc (Electronics/ Medical Electronics/ Applied Electronics/ Physics/Medical Physics/ Bio-Physics/Bio-Informatics/ Biomedical informatics/ Biotechnology)	i) Bio medical Engg. (BM) ii) Instrumentation (IN) iii) Electronics & Comm. Engg. (EC) iv) Bio-Tech (BT)	Biomedical Engg. (BM)
7.	Bio-Chemical Engg. & Bio-Technology	Bio-Chemical Engg. & Bio-Technology (<i>Self-Finance</i>)	B.E./B.Tech. equivalent Chemical Engg./Bio-Technology/Bio-Chemical Engg./Food Tech. /Dairy Tech/B.Pharmacy.	i) Chemical Engg. (CH) ii) Pharmaceutical Sciences (GPAT) iii) Bio-Tech (BT)	Biotechnology (BT)
8.	Chemical Engg.	i) Chemical Reaction Engg. ii) Plant Design iii) Process Dynamics & Control iv) Environmental Engineering (<i>Self-Finance</i>)	B.E./B .Tech. in Chemical Engg.	Chemical Engg. (CH)	Chemical Engg. (CH)
9.	Chemical Technology	i) Technology of Pharmaceuticals & Fine Chemicals ii) Materials Science & Technology	B.E./B .Tech. in Chemical Engg.	Chemical Engg. (CH)	Chemical Engg. (CH)
10.	Food Technology	Food Processing Technology (<i>Self-Finance</i>)	B.Tech (Food Technology) B.Tech (Food Processing Technology), B.Tech (Food Processing and Preservation Technology), B.Tech (Food Science and Technology) B.Tech (Food Science), B.Tech (Food Process Engineering), B.Tech (Food Engineering), B Tech (Dairy Technology) B Tech (Dairy Science), B.Tech (Fermentation Technology) B.Tech (Oils and Fats) or M.Sc (Food Technology), M.Sc (Food Science & Technology), M.Sc (Dairy Tech), M.Sc (Marine Technology), M.Sc (Food Technology and Management)	XE XL	Food Technology (FT)
11.	Textile Technology	Apparel Technology (<i>Self-Finance</i>)	B.Tech. Textile Technology/Textile Chemistry/Man Made Fiber Technology/Textile Plant Engineering/ Textile Engineering / Fiber Science & Technology/Apparel Technology/Fashion Technology) or A.M.I.E (Textile Engineering)	TF	Textile (TX)

12.	M. Pharmacy (Self-Finance)	i) Pharmaceutics ii) Pharmacology iii) Pharmaceutical Chemistry iv) Pharmaceutical Analysis & Quality Assurance v) Pharmacognosy vi) Pharm.D (PB)	B. Pharmacy	Pharmaceutical Science (GPAT)	Pharmacy (PY)
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