

Course Offering State (FALL 2026)

No	Course Code	Course Title
Chemical Engineering Department		
1	CHE-102	Fundamental of Chemistry
2	CH-113	Inorganic & Organic Chemistry
3	CHE-103	Chemical Engineering Principles-I
4	HU-101	Islamic Studies
5	HU-131	Understanding of Quran-I
6	CS-117	Applications of ICT
7	ME-105	Workshop Practice
8	MATH-101	Calculus and Analytical Geometry
9	HU-114	Functional English
10	MATH-121	Linear Algebra & ODEs
11	CHE-214	Fluid Mechanics-I
12	CHE-226	Programming & Data Science
13	CHE-223	Chemical Engineering Thermodynamics-I
14	CHE-222	Chemical Engineering Principle-II
15	CCE-401	Civic and Community Engagement
16	MSE-226	Engineering Materials
17	HU-107	Pakistan Studies
18	CHE-333	Fuels and Energy
19	CHE-224	Fluid Mechanics-II
20	MATH-351	Numerical Methods
21	CHE-332	Chemical Engineering Thermodynamics-II
22	EE-331	Applied Electrical Engineering
23	CHE-345	Transport Phenomena
24	CHE-423	Fuel Engineering
25	CHE-451	Chemical Engineering Plant Design
26	CHE-498	Final Year Plant Design Project-I
27	CHE-442	Membrane Technology
28	CHE-350	Petroleum Refinery Process
29	CHE-464	Computational Fluid Dynamics in Chemical Engineering
30	CHE-452	Chemical Process Design & Simulation
31	CCE-401	Civic and Community Engagement
32	CHE-843	Separation Processing in Chemical Engg (core)
33	CHE-847	Chemical Kinetics and Reactor Design (core)
34	PSE-823	Advanced Process Dynamics & Control
35	CHE-814	Product Technology
36	CSE-801	Computational Fluid Dynamics
37	CHE-873	Membrane Technology
38	RM-898	Research Methodolgy
39	CHE-815	Nano Catalysis
40	HU-131	Understanding of Quran-I
Materials Engineering Department		
1	HU-114	Functional English
2	CS-117	Applications of ICT
3	HU-107	Pakistan Studies
4	HU-131	Understanding of Quran
5	MATH-101	Calculus and Analytical Geometry
6	EE-103	Electrical Engineering
7	MSE-101	Fundamentals of Engineering Materials
8	HU-222	Professional Ethics
9	MGT-271	Entrepreneurship
10	MSE-221	Materials Thermodynamic & Kinetics
11	PHY-102	Applied Physics
12	MSE-227	Mechanical Behaviour of Materials
13	MSE-201	Materials Engineering Lab-I
14	MSE-225	statistical Methods
15	ME-105	Workshop Pactice
16	MSE-351	Ceramics and Glasses
17	MSE-344	Polymer Science & Engg
18	MSE-311	Joining of Materials
19	MSE-341	Computational Materials Science
20	MSE-318	Iron and Steel Making
21	OHS-101	Occupational Health & Safety
22	MSE-303L	Materials Engg Lab-III
23	MSE-474	Surface Engg of Materials
24	MSE-461	Composite Materials
25	MSE-325	Heat Treatment of Materials
26	MSE-464	Advanced Materials
27	MSE-405L	Materials Engg Lab -V
28	OTM-454	Project Management
30	MSE-465	Powder Metallurgy
31	MSE-498	Final Year Project-1
32	MSE-811	Materials Thermodynamics (core)
33	MSE-821	Mechanical Behaviour of Materials (core)
34	MSE-854	Characterization of Materials (core)
35	NSE-813	Essentials of Nano Sci & Engg (core)

36	NSE-941	Nanocomposite Materials
37	MSE-881	Manufacturing Process
38	ESE-904	Advanced Energy Materials Synthesis & Characterization
39	MSE-852	Advanced Surface Coating
40	NSE-845	Nanolithography & Device Fabrication
41	RM-898	Research Methodology
42	HU-131	Understanding of Quran-I