SCHEME OF STUDIES
CHEMICAL ENGINEERING

Batch 2016-17

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
SPRING	CH-104	Chemical Engineering Principles	3	1	4
	CH-106	Applied Chemistry	2	1	3
	ME-104	Workshop Practice	0	2	2
	HS-104	Functional English	3	0	3
	PH-103	Applied Physics	3	1	4
FALL	*CH-105	Applied Chemistry	2	1	3
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	*ME-111	Engineering Drawing	2	1	3
	*EE-118	Basic Electricity & Electronics	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies (for Foreigners)			

* Changed vide Resolution No.STN-181.4(a)(v)

** Vide Memo No.NED/NED/2019/2983 by CMD

Batch 2017

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 17-18	CH-104	Chemical Engineering Principles	3	1	4
	CH-106	Applied Chemistry	2	1	3
	ME-104	Workshop Practice	0	2	2
	HS-104	Functional English	3	0	3
	PH-103	Applied Physics	3	1	4
SPRING 2018	CH-105	Applied Chemistry	2	1	3
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	ME-111	Engineering Drawing	2	1	3
	EE-118	Basic Electricity & Electronics	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies (for Foreigners)			
	HS-230	Chinese Language-I	NC		

Batch 2018

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2018	CH-104	Chemical Engineering Principles	3	1	4
	CH-106	Applied Chemistry	2	1	3
	ME-104	Workshop Practice	0	2	2
	HS-104	Functional English	3	0	3
	PH-103	Applied Physics	3	1	4
SPRING 2019	CH-105	Applied Chemistry	2	1	3
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	ME-111	Engineering Drawing	2	1	3
	EE-118	Basic Electricity & Electronics	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies (for Foreigners)			
	HS-230	Chinese Language-I	NC		

Batch 2019

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2019	CH-104	Chemical Engineering Principles	3	1	4
	CH-106	Applied Chemistry	2	1	3
	ME-104	Workshop Practice	0	2	2
	HS-104	Functional English	3	0	3
	PH-103	Applied Physics	3	1	4
SPRING 2020	CH-105	Applied Chemistry	2	1	3
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	ME-111	Engineering Drawing	2	1	3
	EE-118	Basic Electricity & Electronics	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies (for Foreigners)			
	HS-230	Chinese Language-I	NC		

Batch 2020

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2020	CH-104	Chemical Engineering Principles	3	1	4
	CH-106	Applied Chemistry	2	1	3
	ME-104	Workshop Practice	0	2	2
	HS-104	Functional English	3	0	3
	PH-103	Applied Physics	3	1	4
SPRING 2021	CH-105	Applied Chemistry	2	1	3
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	ME-111	Engineering Drawing	2	1	3
	EE-118	Basic Electricity & Electronics	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies (for Foreigners)			
	HS-230	Chinese Language-I	NC		
	HS-200	Community Service	NC		

Batch 2021

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2021	CH-104	Chemical Engineering Principles	3	1	4
	CH-106	Applied Chemistry	2	1	3
	ME-104	Workshop Practice	0	2	2
	HS-104	Functional English	3	0	3
	PH-103	Applied Physics	3	1	4
SPRING 2022	CH-105	Applied Chemistry	2	1	3
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	ME-111	Engineering Drawing	2	1	3
	EE-118	Basic Electricity & Electronics	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies (for Foreigners)			
	HS-230	Chinese Language-I	NC		
	HS-200	Community Service	NC		

Batch 2022

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2022	CH-104	Chemical Engineering Principles	3	1	4
	CH-106	Applied Chemistry	2	1	3
	ME-104	Workshop Practice	0	2	2
	HS-104	Functional English	3	0	3
	PH-103	Applied Physics	3	1	4
SPRING 2023	CH-105	Applied Chemistry	2	1	3
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	ME-111	Engineering Drawing	2	1	3
	EE-118	Basic Electricity & Electronics	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies (for Foreigners)			
	HS-230	Chinese Language-I	NC		
	HS-200	Community Service	NC		

Batch 2023

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2023	CH-104	Chemical Engineering Principles	3	1	4
	CH-106	Applied Chemistry	2	1	3
	ME-104	Workshop Practice	0	2	2
	****EA-104**	**Functional English**	3	0	3
	PH-103	Applied Physics	3	1	4
SPRING 2024	CH-105	Applied Chemistry	2	1	3
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	ME-111	Engineering Drawing	2	1	3
	EE-118	Basic Electricity & Electronics	3	1	4
	MT-114	Calculus	3	0	3
	***EE-105**	**Pakistan Studies OR**	2	0	2
	***ES-127**	**Pakistan Studies (for Foreigners)**			

* Under Section 28(iv) Office Order Ace#421/98/16911

** Under Section 28(iv) Office Order Ace#421/98/16909

Batch 2024

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2024	CH-104	Chemical Engineering Principles	3	1	4
	CH-106	Applied Chemistry	2	1	3
	ME-104	Workshop Practice	0	2	2
	EA-104	Functional English	3	0	3
	PH-103	Applied Physics	3	1	4
SPRING 2025	CH-105	Applied Chemistry	2	1	3
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	ME-111	Engineering Drawing	2	1	3
	EE-118	Basic Electricity & Electronics	3	1	4
	MT-114	Calculus	3	0	3
	ES-105	Pakistan Studies OR	2	0	2
	ES-127	Pakistan Studies (for Foreigners)			

Batch 2025

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2025	CH-104	Chemical Engineering Principles	3	1	4
	CH-106	Applied Chemistry	2	1	3
	ME-104	Workshop Practice	0	2	2
	EA-104	Functional English	3	0	3
	PH-103	Applied Physics	3	1	4
SPRING 2026	CH-105	Applied Chemistry	2	1	3
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	ME-111	Engineering Drawing	2	1	3
	EE-118	Basic Electricity & Electronics	3	1	4
	MT-114	Calculus	3	0	3
	ES-105	Pakistan Studies OR	2	0	2
	ES-127	Pakistan Studies (for Foreigners)			
	PF-101	Functional English	3	0	3
	PH-129	Applied Physics	3	0	3
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3

Changed with vide Resolution No. AC-168.60)

Batch 2016-17

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 17-18	*CH-208	Analytical Chemistry	2	1	3
	*CH-215	Chemical Engineering Thermodynamics-II	2	1	3
	*CH-209	Fluid Mechanics-I	2	1	3
	MM-205	Mechanics of Materials	3	1	4
	IM-207	Computer Programming & Drafting	2	1	3
	*HS-221	Chemical Process Industries	2	0	2
SPRING 2018	ME-209	Materials & Metallurgy	3	1	4
	*CH-211	Fluid Mechanics-II	2	1	3
	MT-223	Differential Equation & Fourier Series	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	*CH-212	Particulate Technology	2	1	3

* Changed vide Resolution No.STN-181.4(a)(v)

Batch 2017

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2018	CH-208	Analytical Chemistry	2	1	3
	CH-215	Chemical Engineering Thermodynamics-II	2	1	3
	CH-209	Fluid Mechanics-I	2	1	3
	MM-205	Mechanics of Materials	3	1	4
	IM-207	Computer Programming & Drafting	2	1	3
	HS-221	**Chemical Engineering-II**	NC		
SPRING 2019	CH-213	Chemical Process Industries	2	0	2
	ME-209	Materials & Metallurgy	3	1	4
	CH-211	Fluid Mechanics-II	2	1	3
	MT-223	Differential Equation & Fourier Series	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	CH-212	Particulate Technology	2	1	3

Batch 2018

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2019	CH-208	Analytical Chemistry	2	1	3
	CH-215	Chemical Engineering Thermodynamics-II	2	1	3
	CH-209	Fluid Mechanics-I	2	1	3
	MM-205	Mechanics of Materials	3	1	4
	IM-207	Computer Programming & Drafting	2	1	3
	HS-221	Chemical Engineering-II	NC		
SPRING 2020	CH-213	Chemical Process Industries	2	0	2
	ME-209	Materials & Metallurgy	3	1	4
	CH-211	Fluid Mechanics-II	2	1	3
	MT-223	Differential Equation & Fourier Series	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	CH-212	Particulate Technology	2	1	3

Batch 2019

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2020	CH-208	Analytical Chemistry	2	1	3
	CH-215	Chemical Engineering Thermodynamics-II	2	1	3
	CH-209	Fluid Mechanics-I	2	1	3
	MM-205	Mechanics of Materials	3	1	4
	IM-207	Computer Programming & Drafting	2	1	3
	HS-221	Chemical Engineering-II	NC		
SPRING 2021	CH-213	Chemical Process Industries	2	0	2
	ME-209	Materials & Metallurgy	3	1	4
	CH-211	Fluid Mechanics-II	2	1	3
	MT-223	Differential Equation & Fourier Series	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	CH-212	Particulate Technology	2	1	3

Batch 2020

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2021	CH-208	Analytical Chemistry	2	1	3
	CH-215	Chemical Engineering Thermodynamics-II	2	1	3
	CH-209	Fluid Mechanics-I	2	1	3
	MM-205	Mechanics of Materials	3	1	4
	IM-207	Computer Programming & Drafting	2	1	3
	HS-221	Chemical Engineering-II	NC		
SPRING 2022	CH-213	Chemical Process Industries	2	0	2
	ME-209	Materials & Metallurgy	3	1	4
	CH-211	Fluid Mechanics-II	2	1	3
	MT-223	Differential Equation & Fourier Series	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	CH-212	Particulate Technology	2	1	3

Batch 2021

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2022	CH-208	Analytical Chemistry	2	1	3
	CH-215	Chemical Engineering Thermodynamics-II	2	1	3
	CH-209	Fluid Mechanics-I	2	1	3
	MM-205	Mechanics of Materials	3	1	4
	IM-207	Computer Programming & Drafting	2	1	3
	HS-221	Chemical Engineering-II	NC		
SPRING 2023	CH-213	Chemical Process Industries	2	0	2
	ME-209	Materials & Metallurgy	3	1	4
	CH-211	Fluid Mechanics-II	2	1	3
	MT-223	Differential Equation & Fourier Series	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	CH-212	Particulate Technology	2	1	3

Batch 2022

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2023	CH-208	Analytical Chemistry	2	1	3
	CH-215	Chemical Engineering Thermodynamics-II	2	1	3
	CH-209	Fluid Mechanics-I	2	1	3
	MM-205	Mechanics of Materials	3	1	4
	IM-207	Computer Programming & Drafting	2	1	3
	HS-221	Chemical Process Industries	2	0	2
SPRING 2024	ME-209	Materials & Metallurgy	3	1	4
	CH-211	Fluid Mechanics-II	2	1	3
	MT-223	Differential Equation & Fourier Series	3	0	3
	ES-205	**Islamic Studies OR**	2	0	2
	ES-209	**Ethical Behaviour**	2	0	2
	CH-212	Particulate Technology	2	1	3
	****EA-200**	**Community Service**	NC		

* Under Section 28(iv) Office Order Ace#421/98/16911

** Under Section 28(iv) Office Order Ace#421/98/16909

Batch 2023

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2024	CH-208	Analytical Chemistry	2	1	3
	CH-215	Chemical Engineering Thermodynamics-II	2	1	3
	CH-209	Fluid Mechanics-I	2	1	3
	MM-205	Mechanics of Materials	3	1	4
	IM-207	Computer Programming & Drafting	2	1	3
	HS-221	Chemical Process Industries	2	0	2
SPRING 2025	ME-209	Materials & Metallurgy	3	1	4
	CH-211	Fluid Mechanics-II	2	1	3
	MT-223	Differential Equation & Fourier Series	3	0	3
	ES-205	Islamic Studies OR	2	0	2
	ES-209	Ethical Behaviour	2	0	2
	CH-212	Particulate Technology	2	1	3
	EA-200	Community Service	NC		

Batch 2024

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2025	CH-208	Analytical Chemistry	2	1	3
	CH-215	Chemical Engineering Thermodynamics-II	2	1	3
	CH-209	Fluid Mechanics-I	2	1	3
	MM-205	Mechanics of Materials	3	1	4
	IM-207	Computer Programming & Drafting	2	1	3
	CH-213	Chemical Process Industries	2	0	2
SPRING 2026	ME-209	Materials & Metallurgy	3	1	4
	CH-211	Fluid Mechanics-II	2	1	3
	MT-223	Differential Equation & Fourier Series	3	0	3
	ES-205	**Islamic Studies OR**	2	0	2
	ES-209	Ethical Behaviour	2	0	2
	CH-212	Particulate Technology	2	1	3
	EA-200	Community Service	NC		

* Changed Vide Resolution No.AC-164.3(vi)

Batch 2025

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
SPRING 2026	PF-201	Civics & Community Engagement	2	0	2
	CH-108	Chemical Engineering Drawing	0	1	1
	CH-107	Chemical Engineering Thermodynamics-I	2	1	3
	CH-210	Physical & Analytical Chemistry	3	1	4
	EE-124	Basic Electricity and Electronics	2	1	3
	CH-213	Chemical Process Industries	2	0	2
	XX-499	**Social Science Elective**	2	0	2
	CH-211	Fluid Mechanics-II	2	1	3
	CH-230	Chemical Engineering Thermodynamics-II	2	1	3
	ES-205	**Islamic Studies OR**	2	0	2
	CH-221	Particulate Technology	3	1	4
	MT-224	Complex Variables & Fourier Series	3	0	3
	PF-301	Professional Ethics	2	0	2
	PF-205	Community Service	NC		

Changed with vide Resolution No. AC-168.60)

Batch 2016-17

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2018	*CH-310	Fuel & Energy	2	1	3
	CH-307	Heat Transfer	3	1	4
	*CH-308	Chemical Reaction Engineering	3	1	4
	CH-311	Mass Transfer	3	1	4
	MT-332	Advanced Calculus & Linear Algebra	3	0	3
SPRING 2019	CH-302	Separation Processes	3	1	4
	*CH-306	Chemical Process Control	3	1	4
	HS-304	Business Communication & Ethics	3	0	3
	MT-331	Probability and Statistics	3	0	3
	PF-303	Applied Economics for Engineers	3	0	3

* Changed vide Resolution No.STN-181.4(a)(v)

Batch 2017

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2019	CH-310	Fuel & Energy	2	1	3
	CH-307	Heat Transfer	3	1	4
	CH-308	Chemical Reaction Engineering	3	1	4
	CH-311	Mass Transfer	3	1	4
	MT-332	Advanced Calculus & Linear Algebra	3	0	3
SPRING 2020	CH-302	Separation Processes	3	1	4
	CH-306	Chemical Process Control	3	1	4
	HS-304	Business Communication & Ethics	3	0	3
	MT-331	Probability and Statistics	3	0	3
	PF-303	Applied Economics for Engineers	3	0	3

Batch 2018

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2020	CH-310	Fuel & Energy	2	1	3
	CH-307	Heat Transfer	3	1	4
	CH-308	Chemical Reaction Engineering	3	1	4
	CH-311	Mass Transfer	3	1	4
	MT-332	Advanced Calculus & Linear Algebra	3	0	3
SPRING 2021	CH-302	Separation Processes	3	1	4
	CH-306	Chemical Process Control	3	1	4
	HS-304	Business Communication & Ethics	3	0	3
	MT-331	Probability and Statistics	3	0	3
	PF-303	Applied Economics for Engineers	3	0	3

Batch 2019

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2021	CH-310	Fuel & Energy	2	1	3
	CH-307	Heat Transfer	3	1	4
	CH-308	Chemical Reaction Engineering	3	1	4
	CH-311	Mass Transfer	3	1	4
	MT-332	Advanced Calculus & Linear Algebra	3	0	3
SPRING 2022	CH-302	Separation Processes	3	1	4
	CH-306	Chemical Process Control	3	1	4
	HS-304	Business Communication & Ethics	3	0	3
	MT-331	Probability and Statistics	3	0	3
	PF-303	Applied Economics for Engineers	3	0	3

Batch 2020

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2022	CH-310	Fuel & Energy	2	1	3
	CH-307	Heat Transfer	3	1	4
	CH-308	Chemical Reaction Engineering	3	1	4
	CH-311	Mass Transfer	3	1	4
	MT-332	Advanced Calculus & Linear Algebra	3	0	3
SPRING 2023	CH-302	Separation Processes	3	1	4
	CH-306	Chemical Process Control	3	1	4
	HS-304	Business Communication & Ethics	3	0	3
	MT-331	Probability and Statistics	3	0	3
	PF-303	Applied Economics for Engineers	3	0	3

Batch 2021

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2023	CH-310	Fuel & Energy	2	1	3
	CH-307	Heat Transfer	3	1	4
	CH-308	Chemical Reaction Engineering	3	1	4
	CH-311	Mass Transfer	3	1	4
	MT-332	Advanced Calculus & Linear Algebra	3	0	3
SPRING 2024	CH-302	Separation Processes	3	1	4
	CH-306	Chemical Process Control	3	1	4
	EA-304	**Business Communication & Ethics**	3	0	3
	MT-331	Probability and Statistics	3	0	3
	PF-303	Applied Economics for Engineers	3	0	3
	***EA/ES**	**Foreign Language-I**	NC		

* Under Section 28(iv) Office Order Ace#421/98/16909

Batch 2022

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2024	CH-310	Fuel & Energy	2	1	3
	CH-307	Heat Transfer	3	1	4
	CH-308	Chemical Reaction Engineering	3	1	4
	CH-311	Mass Transfer	3	1	4
	MT-332	Advanced Calculus & Linear Algebra	3	0	3
SPRING 2025	CH-302	Separation Processes	3	1	4
	CH-306	Chemical Process Control	3	1	4
	EA-304	Business Communication & Ethics	3	0	3
	MT-331	Probability and Statistics	3	0	3
	PF-303	Applied Economics for Engineers	3	0	3
	EA/ES	Foreign Language-I	NC		

Batch 2023

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2025	CH-310	Fuel & Energy	2	1	3
	CH-307	Heat Transfer	3	1	4
	CH-308	Chemical Reaction Engineering	3	1	4
	CH-311	Mass Transfer	3	1	4
	MT-332	Advanced Calculus & Linear Algebra	3	0	3
SPRING 2026	CH-302	Separation Processes	3	1	4
	CH-306	Chemical Process Control	3	1	4
	EA-304	Business Communication & Ethics	3	0	3
	MT-331	Probability and Statistics	3	0	3
	PF-303	Applied Economics for Engineers	3	0	3
	EA/ES	Foreign Language-I	NC		

Batch 2024

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2026	CH-310	Fuel & Energy	2	1	3
	CH-307	Heat Transfer	3	1	4
	CH-308	Chemical Reaction Engineering	3	1	4
	CH-311	Mass Transfer	3	1	4
	MT-332	Advanced Calculus & Linear Algebra	3	0	3
SPRING 2027	CH-302	Separation Processes	3	1	4
	CH-306	Chemical Process Control	3	1	4
	EA-304	Business Communication & Ethics	3	0	3
	MT-331	Probability and Statistics	3	0	3
	PF-303	Applied Economics for Engineers	3	0	3
	EA/ES	Foreign Language-I	NC		

Batch 2025

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2027	CH-310	Fuel & Energy	2	1	3
	CH-313	Fluid Mechanics-II	2	0	2
	CH-309	Chemical Reaction Engineering	3	1	4
	CH-312	Mass Transfer	3	1	4
	MT-331	Probability & Statistics	3	0	3
SPRING 2028	EA-304	Business Communication and Ethics	3	0	3
	CH-306	Chemical Reaction Engineering	3	1	4
	CH-315	Instrumentation & Process Control	3	1	4
	CH-316	Integrated Management Systems	3	0	3
	CH-314	Numerical Methods with Software Applications for Chemical Engineers	2	1	3
	CH-320	Environmental Engineering	2	1	3
	EA/ES	Foreign Language-I	NC		

Changed with vide Resolution No. AC-168.60)

Batch 2016-17

FINAL YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2019	CH-401	Process Modelling & Simulation	3	1	4
	*CH-414	Chemical Plant Design	2	0	2
	CH-402	Chemical Process Optimization	3	0	3
	*CH-416	Petroleum Refinery & Petrochemical	2	1	3
	MT-441	Advanced Mathematical Techniques	3	0	3
	CH-499	Chemical Engineering Project	0	3	3
SPRING 2020	*CH-417	Industrial Safety & Maintenance Management	2	0	2
	*CH-418	Industrial Organization & Management	2	0	2
	*CH-889	Elective Course	2	0	2
	*CH-415	Transport Phenomena	3	0	3
	CH-499	Chemical Engineering Project	0	3	3

Elective Courses:

CH-408	Polymer Technology				
CH-410	Water Purification Process				
CH-411	Environmental Pollution Control				
CH-412	*Biochemical Engineering*				

* Changed vide Resolution No.STN-181.4(a)(v)

Batch 2017

FINAL YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Chemical Engineering			
FALL 2020	CH-401	Process Modelling & Simulation	3	1	4
	CH-414	Chemical Plant Design	2	0	2
	CH-402	Chemical Process Optimization	3	0	3
	CH-416	Petroleum Refinery & Petrochemical	2	1	3
	MT-441	Advanced Mathematical Techniques	3	0	3
	CH-499	Chemical Engineering Project	0	3	3
SPRING 2021	CH-417