SCHEME OF STUDIES
COMPUTER SYSTEMS ENGINEERING

Batch 2016-17

FIRST YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
SPRING	CS-108	Fundamentals of Computer Engineering	2	1	3
	EE-120	Basic Electrical Engineering	3	1	4
	HS-114	Functional English	3	0	3
	CS-109	Computer Programming	2	1	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies (For Foreigners)			
	MT-114	Calculus	3	0	3
FALL	EL-102	Basic Electronics	3	1	4
	CS-111	Object Oriented Programming	2	1	3
	PH-122	Applied Physics	3	1	4
	ME-107	Basic Mechanical Engineering	1	1	4
	CS-211	Discrete Structures	3	0	3

Batch 2017

FIRST YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 17-18	CS-108	Fundamentals of Computer Engineering	2	1	3
	EE-120	Basic Electrical Engineering	3	1	4
	HS-114	Functional English	2	0	2
	CS-109	Computer Programming	2	1	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-127	Pakistan Studies (For Foreigners)			
	MT-114	Calculus	3	0	3
SPRING 2018	EL-102	Basic Electronics	3	1	4
	CS-111	Object Oriented Programming	2	1	3
	PH-122	Applied Physics	3	1	4
	ME-107	Basic Mechanical Engineering	1	1	4
	CS-211	Discrete Structures	3	0	3
	HS-220	**Chinese Language-I**			**NC**

Batch 2018

FIRST YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2018	***CS-114**	**Fundamentals of Computer Engineering**	**3**	**1**	**4**
	EE-120	Basic Electrical Engineering	3	1	4
	***HS-111**	**Functional English**	**2**	**0**	**2**
	***CS-115**	**Computer Programming**	**3**	**1**	**4**
	***HS-106**	**Pakistan Studies OR**	**1**	**0**	**1**
	***HS-107**	**Pakistan Studies (For Foreigners)**			
	MT-114	Calculus	3	0	3
SPRING 2019	***EL-103**	**Basic Electronics**	**3**	**1**	**4**
	***CS-116**	**Object Oriented Programming**	**3**	**1**	**4**
	PH-122	Applied Physics	3	1	4
	***CS-117**	**Discrete Structures**	**3**	**0**	**3**
	***HS-205**	**Islamic Studies OR**	**2**	**0**	**2**
	***HS-209**	**Ethical Behaviour**			
	HS-220	Chinese Language-I			NC

* Changed vide Resolution No. SYN-185.5(b)(i)

Batch 2019

FIRST YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2019	CS-114	Fundamentals of Computer Engineering	3	1	4
	EE-120	Basic Electrical Engineering	3	1	4
	HS-111	Functional English	2	0	2
	CS-115	Computer Programming	3	1	4
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (For Foreigners)			
	MT-114	Calculus	3	0	3
SPRING 2020	EL-103	Basic Electronics	3	1	4
	CS-116	Object Oriented Programming	3	1	4
	PH-122	Applied Physics	3	1	4
	CS-117	Discrete Structures	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-220	Chinese Language-I			NC
	HS-231	Turkish Language-I			NC
	HS-300	Community Service			NC

Batch 2020

FIRST YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2020	CS-114	Fundamentals of Computer Engineering	3	1	4
	EE-120	Basic Electrical Engineering	3	1	4
	HS-111	Functional English	2	0	2
	CS-115	Computer Programming	3	1	4
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (For Foreigners)			
	MT-114	Calculus	3	0	3
SPRING 2021	EL-103	Basic Electronics	3	1	4
	CS-116	Object Oriented Programming	3	1	4
	PH-122	Applied Physics	3	1	4
	CS-117	Discrete Structures	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-220	Chinese Language-I			NC
	HS-300	Community Service			NC

Batch 2021

FIRST YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2021	CS-114	Fundamentals of Computer Engineering	3	1	4
	EE-120	Basic Electrical Engineering	3	1	4
	HS-111	Functional English	2	0	2
	CS-115	Computer Programming	3	1	4
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (For Foreigners)			
	MT-114	Calculus	3	0	3
SPRING 2022	EL-103	Basic Electronics	3	1	4
	CS-116	Object Oriented Programming	3	1	4
	PH-122	Applied Physics	3	1	4
	CS-117	Discrete Structures	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-220	Chinese Language-I			NC
	***HS-231**	**Turkish Language-I**			**NC**

* Changed vide Resolution No. AC-154.4(i)

Batch 2022

FIRST YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2022	CS-114	Fundamentals of Computer Engineering	3	1	4
	EE-120	Basic Electrical Engineering	3	1	4
	HS-111	Functional English	2	0	2
	CS-115	Computer Programming	3	1	4
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (For Foreigners)			
	MT-114	Calculus	3	0	3
SPRING 2023	EL-103	Basic Electronics	3	1	4
	CS-116	Object Oriented Programming	3	1	4
	PH-122	Applied Physics	3	1	4
	CS-117	Discrete Structures	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	HS-220	Chinese Language-I			NC
	HS-231	Turkish Language-I			NC
	HS-224	German language-I			NC
	HS-226	French language-I			NC

Batch 2023

FIRST YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2023	CS-114	Fundamentals of Computer Engineering	3	1	4
	EE-120	Basic Electrical Engineering	3	1	4
	***EA-111**	**Functional English**	**2**	**0**	**2**
	CS-115	Computer Programming	3	1	4
	***ES-106**	**Pakistan Studies OR**	**1**	**0**	**1**
	***ES-107**	**Pakistan Studies (For Foreigners)**			
	MT-114	Calculus	3	0	3
SPRING 2024	EL-103	Basic Electronics	3	1	4
	CS-116	Object Oriented Programming	3	1	4
	PH-122	Applied Physics	3	1	4
	CS-117	Discrete Structures	3	0	3
	***ES-205**	**Islamic Studies OR**	**2**	**0**	**2**
	***ES-209**	**Ethical Behaviour**	**2**	**0**	**2**
		* Under Section 28(iv) Offiec Order Acad(42)156)16911			
		** Under Section 28(iv) Offiec Order Acad(42)156)16909			

Batch 2024

FIRST YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2024	CS-114	Fundamentals of Computer Engineering	3	1	4
	EE-120	Basic Electrical Engineering	3	1	4
	EA-111	Functional English	2	0	2
	CS-115	Computer Programming	3	1	4
	ES-106	Pakistan Studies OR	1	0	1
	ES-107	Pakistan Studies (For Foreigners)			
	MT-114	Calculus	3	0	3
SPRING 2025	EL-103	Basic Electronics	3	1	4
	CS-116	Object Oriented Programming	3	1	4
	PH-122	Applied Physics	3	1	4
	CS-117	Discrete Structures	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour	2	0	2
	HS-220	Chinese Language-I			NC
	HS-231	Turkish Language-I			NC
	HS-224	German language-I			NC
	HS-226	French language-I			NC
		* Changed Vide Resolution No.AC-164.5(vi)			
		** Under Section 28(iv) Offiec Order Acad(42)156)16911			

Batch 2025

FIRST YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2025	EF-101	IT Fundamentals and Applications	2	1	3
	CS-115	Computer Programming	3	1	4
	MT-116	Calculus & Analytical Geometry	3	0	3
	EA-128	Functional English	3	0	3
	ES-105	Pakistan Studies OR	2	0	2
	ES-127	Pakistan Studies (For Foreigners)	2	0	2
	PH-129	Applied Physics	3	0	3
SPRING 2026	CH-000	Essentials of Chemistry			NC
	CS-117	Discrete Structures	3	0	3
	CS-116	Object Oriented Programming	3	1	4
	EE-125	Basic Electrical Engineering	3	1	4
	ES-108	Ideology and Constitution of Pakistan	2	0	2
	ES-206	Islamic Studies OR	2	0	2
	ES-209	Ethical Behaviour	2	0	2
	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
		Changed with vide Resolution No. AC-168.4(ii)			

Batch 2016-17

SECOND YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 17-18	CS-214	Digital Logic Design	3	1	4
	MT-222	Linear Algebra & Ordinary Differential Equation	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	EE-217	Circuit Theory	2	0	2
	CS-216	Data Structure & Algorithms	3	1	4
	HS-214	Academic Writing	3	0	3
SPRING 2018	CS-215	Computer Organization & Design	3	1	4
	MT-224	Complex Variable & Fourier Analysis	3	0	3
	CS-215	Signals and Systems	2	1	3
	CS-306	Database Management Systems	3	1	4
	EL-303	Digital Integrated Circuits	3	1	4

Batch 2017

SECOND YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2018	CS-214	Digital Logic Design	3	1	4
	MT-222	Linear Algebra & Ordinary Differential Equation	3	0	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	EE-217	Circuit Theory	2	0	2
	CS-216	Data Structure & Algorithms	3	1	4
	HS-214	Academic Writing	3	0	3
	HS-231	**Chinese Language-II**	**3**	**1**	**4**
SPRING 2019	CS-215	Computer Organization & Design	3	1	4
	MT-224	Complex Variable & Fourier Analysis	3	0	3
	CS-215	Signals and Systems	2	1	3
	CS-306	Database Management Systems	3	1	4
	EL-303	Digital Integrated Circuits	3	1	4

Batch 2018

SECOND YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2019	***CS-220**	**Digital Logic Design**	**3**	**1**	**4**
	***MT-224**	**Complex Variable & Fourier Analysis**	**3**	**0**	**3**
	EE-217	Circuit Theory	2	0	2
	***CS-218**	**Data Structures and Algorithms**	**3**	**1**	**4**
	***HS-218**	**Business Communication**	**2**	**1**	**3**
	***CS-219**	**Compiler Engineering Workshop**	**0**	**1**	**1**
	HS-221	Chinese Language-II			NC
SPRING 2020	***CS-221**	**Computer Organization & Design**	**3**	**1**	**4**
	CS-215	Signals and Systems	2	1	3
	***CS-222**	**Database Management Systems**	**3**	**1**	**4**
	***MT-222**	**Linear Algebra & Ordinary Differential Equation**	**3**	**0**	**3**
	***HS-219**	**Professional Ethics**	**2**	**0**	**2**

* Changed vide Resolution No. SYN-185.5(b)(i)

Batch 2019

SECOND YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2020	CS-220	Digital Logic Design	3	1	4
	MT-224	Complex Variable & Fourier Analysis	3	0	3
	EE-217	Circuit Theory	2	0	2
	CS-218	Data Structures and Algorithms	3	1	4
	HS-218	Business Communication	2	1	3
	CS-219	Compiler Engineering Workshop	0	1	1
	HS-221	Chinese Language-II			NC
SPRING 2021	CS-221	Computer Organization & Design	3	1	4
	CS-215	Signals and Systems	2	1	3
	CS-222	Database Management Systems	3	1	4
	MT-222	Linear Algebra & Ordinary Differential Equation	3	0	3
	HS-219	Professional Ethics	2	0	2

Batch 2020

SECOND YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2021	CS-220	Digital Logic Design	3	1	4
	MT-224	Complex Variable & Fourier Analysis	3	0	3
	EE-217	Circuit Theory	2	0	2
	CS-218	Data Structures and Algorithms	3	1	4
	HS-218	Business Communication	2	1	3
	CS-219	Compiler Engineering Workshop	0	1	1
	HS-221	Chinese Language-II			NC
SPRING 2022	CS-221	Computer Organization & Design	3	1	4
	CS-215	Signals and Systems	2	1	3
	CS-222	Database Management Systems	3	1	4
	MT-222	Linear Algebra & Ordinary Differential Equation	3	0	3
	HS-219	Professional Ethics	2	0	2
	HS-200	Community Service			NC
		* Changed vide Resolution No. AC-154.4(i)			

Batch 2021

SECOND YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2022	CS-220	Digital Logic Design	3	1	4
	MT-224	Complex Variable & Fourier Analysis	3	0	3
	EE-217	Circuit Theory	2	0	2
	CS-218	Data Structures and Algorithms	3	1	4
	HS-218	Business Communication	2	1	3
	CS-219	Compiler Engineering Workshop	0	1	1
	HS-221	Chinese Language-II			NC
SPRING 2023	***EA-232**	**Turkish Language-II**	**NC**		
	CS-221	Computer Organization & Design	3	1	4
	CS-215	Signals and Systems	2	1	3
	CS-222	Database Management Systems	3	1	4
	MT-222	Linear Algebra & Ordinary Differential Equation	3	0	3
	HS-219	Professional Ethics	2	0	2
	HS-200	Community Service			NC
		* Changed vide Resolution No. AC-154.4(i)			

Batch 2022

SECOND YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2023	CS-220	Digital Logic Design	3	1	4
	MT-224	Complex Variable & Fourier Analysis	3	0	3
	EE-217	Circuit Theory	2	0	2
	CS-218	Data Structures and Algorithms	3	1	4
	***EA-218**	**Business Communication**	**2**	**1**	**3**
	***CS-219**	**Compiler Engineering Workshop**	**0**	**1**	**1**
	***EA-221**	**Chinese Language-II**	**NC**		
	***EA-232**	**Turkish Language-II**	**NC**		
	***EA-225**	**German language-II**	**NC**		
	***EA-227**	**French language-II**	**NC**		
SPRING 2024	CS-221	Computer Organization & Design	3	1	4
	CS-215	Signals and Systems	2	1	3
	CS-222	Database Management Systems	3	1	4
	MT-222	Linear Algebra & Ordinary Differential Equation	3	0	3
	***EA-219**	**Professional Ethics**	**2**	**0**	**2**
	***EA-200**	**Community Service**	**NC**		
		* Under Section 28(iv) Offiec Order Acad(42)156)16909			

Batch 2023

SECOND YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2024	CS-220	Digital Logic Design	3	1	4
	MT-224	Complex Variable & Fourier Analysis	3	0	3
	EE-217	Circuit Theory	2	0	2
	CS-218	Data Structures and Algorithms	3	1	4
	EA-218	Business Communication	2	1	3
	CS-219	Computer Engineering Workshop	0	1	1
	CS-221	Computer Organization & Design	3	1	4
	CS-215	Signals and Systems	2	1	3
SPRING 2025	CS-222	Database Management Systems	3	1	4
	MT-222	Linear Algebra & Ordinary Differential Equation	3	0	3
	EA-219	Professional Ethics	2	0	2
	EA-200	Community Service			NC

Batch 2024

SECOND YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2025	CS-220	Digital Logic Design	3	1	4
	MT-224	Complex Variable & Fourier Analysis	3	0	3
	EE-217	Circuit Theory	2	0	2
	CS-218	Data Structures and Algorithms	3	1	4
	EA-218	Business Communication	2	1	3
	CS-219	Computer Engineering Workshop	0	1	1
	CS-221	Computer Organization & Design	3	1	4
	CS-215	Signals and Systems	2	1	3
SPRING 2026	CS-222	Database Management Systems	3	1	4
	MT-222	Linear Algebra & Ordinary Differential Equation	3	0	3
	EA-219	Professional Ethics	2	0	2
	EA-200	Community Service			NC

Batch 2025

SECOND YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2026	CS-220	Digital Logic Design	3	1	4
	EA-218	Data Structures & Algorithms	2	1	3
	EA-218	Business Communication	2	1	3
	EL-106	Basic Electronics	3	1	4
	EF-309	Occupational Health and Safety	1	0	1
	CS-253	Sustainable Engineering Practices	1	0	1
SPRING 2027	CS-221	Computer Organization & Design	3	1	4
	CS-215	Signals and Systems	2	1	3
	CS-222	Database Management Systems	3	1	4
	CS-326	Software Engineering	3	1	4
	CS-219	Compiler Engineering Workshop	0	1	1
	EF-201	Civics and Community Engagement	2	0	2
	EF-200	Community Service			NC
		Changed with vide Resolution No. AC-168.4(ii)			

Batch 2016-17

THIRD YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2018	MT-335	Probability and Statistics	3	0	3
	CS-352	Digital Communication Systems	3	1	4
	EF-303	Applied Economics for Engineers	3	0	3
	CS-301	Microprocessor Based System Design	3	1	4
	CS-302	Software Engineering	3	1	4
SPRING 2019	CS-318	Computer Communication Networks	3	1	4
	CS-317	Operating Systems	3	1	4
	HS-304	Business Communication & Ethics	2	0	2
	CS-322	Computer Architecture	3	0	3
	CS-319	VLSI Design	3	1	4

Batch 2017

THIRD YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2019	MT-335	Probability and Statistics	3	0	3
	CS-352	Digital Communication Systems	3	1	4
	EF-303	Applied Economics for Engineers	3	0	3
	CS-301	Microprocessor Based System Design	3	1	4
	CS-302	Software Engineering	3	1	4
SPRING 2020	CS-318	Computer Communication Networks	3	1	4
	CS-317	Operating Systems	3	1	4
	HS-304	Business Communication & Ethics	2	0	2
	CS-322	Computer Architecture	3	0	3
	CS-319	VLSI Design	3	1	4

Batch 2018

THIRD YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2020	MT-335	Probability and Statistics	3	0	3
	***CS-326**	**Software Engineering**	**3**	**1**	**4**
	***CS-318**	**Computer Communication Networks**	**3**	**1**	**4**
	***CS-328**	**Computer Architecture**	**3**	**0**	**3**
	***CS-323**	**Artificial Intelligence**	**3**	**1**	**4**
SPRING 2021	***CS-329**	**Operating Systems**	**3**	**1**	**4**
	***CS-301**	**Microprocessor Based System Design**	**3**	**1**	**4**
	***CS-349**	**Elective-1**	**3**	**1**	**4**
	***MT-442**	**Numerical Methods**	**3**	**0**	**3**
	***EF-305**	**Engineering Economics & Management**	**3**	**0**	**3**

* Changed vide Resolution No. SYN-185.5(b)(i)

Batch 2019

THIRD YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2021	MT-335	Probability and Statistics	3	0	3
	CS-326	Software Engineering	3	1	4
	CS-318	Computer Communication Networks	3	1	4
	CS-328	Computer Architecture	3	0	3
	CS-323	Artificial Intelligence	3	1	4
SPRING 2022	CS-329	Operating Systems	3	1	4
	CS-301	Microprocessor Based System Design	3	1	4
	CS-349	Elective-1	3	1	4
	MT-442	Numerical Methods	3	0	3
	EF-305	Engineering Economics & Management	3	0	3

Batch 2020

THIRD YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2022	MT-335	Probability and Statistics	3	0	3
	CS-326	Software Engineering	3	1	4
	CS-318	Computer Communication Networks	3	1	4
	CS-328	Computer Architecture	3	0	3
	CS-323	Artificial Intelligence	3	1	4
SPRING 2023	CS-329	Operating Systems	3	1	4
	CS-301	Microprocessor Based System Design	3	1	4
	CS-349	Elective-1	3	1	4
	MT-442	Numerical Methods	3	0	3
	EF-305	Engineering Economics & Management	3	0	3

Batch 2021

THIRD YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2023	MT-335	Probability and Statistics	3	0	3
	CS-326	Software Engineering	3	1	4
	CS-318	Computer Communication Networks	3	1	4
	CS-328	Computer Architecture	3	0	3
	CS-323	Artificial Intelligence	3	1	4
SPRING 2024	CS-329	Operating Systems	3	1	4
	CS-301	Microprocessor Based System Design	3	1	4
	CS-349	Elective-1	3	1	4
	MT-442	Numerical Methods	3	0	3
	EF-305	Engineering Economics & Management	3	0	3

Batch 2022

THIRD YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2024	MT-335	Probability and Statistics	3	0	3
	CS-326	Software Engineering	3	1	4
	CS-318	Computer Communication Networks	3	1	4
	CS-328	Computer Architecture	3	0	3
	CS-323	Artificial Intelligence	3	1	4
SPRING 2025	CS-329	Operating Systems	3	1	4
	CS-301	Microprocessor Based System Design	3	1	4
	CS-349	Elective-1	3	1	4
	MT-442	Numerical Methods	3	0	3
	EF-305	Engineering Economics & Management	3	0	3

Batch 2023

THIRD YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2025	MT-335	Probability and Statistics	3	0	3
	CS-326	Software Engineering	3	1	4
	CS-318	Computer Communication Networks	3	1	4
	CS-328	Computer Architecture	3	0	3
	CS-323	Artificial Intelligence	3	1	4
SPRING 2026	CS-329	Operating Systems	3	1	4
	CS-301	Microprocessor Based System Design	3	1	4
	CS-349	Elective-1	3	1	4
	MT-442	Numerical Methods	3	0	3
	EF-305	Engineering Economics & Management	3	0	3
	***EA-405**	**Foreign Language-II**	**NC**		
		* Changed vide Resolution No. AC-155.3(iii)			
		Under Section 28(iv) Offiec Order Acad(42)156)16909			

Batch 2024

THIRD YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2026	MT-335	Probability and Statistics	3	0	3
	CS-326	Software Engineering	3	1	4
	CS-318	Computer Communication Networks	3	1	4
	CS-328	Computer Architecture	3	0	3
	CS-323	Artificial Intelligence	3	1	4
SPRING 2027	CS-329	Operating Systems	3	1	4
	CS-301	Microprocessor Based System Design	3	1	4
	CS-349	Elective-1 (AI Domain)	3	1	4
	MT-442	Numerical Methods	3	0	3
	EF-305	Engineering Economics & Management	3	0	3
	EA-E5	Foreign Language-I			NC
		Changed with vide Resolution No. AC-168.4(ii)			

Batch 2025

THIRD YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2027	CS-327	Computer Communication Networks	3	1	4
	CS-328	Computer Architecture	3	0	3
	CS-373	Artificial Intelligence & Machine Learning	3	1	4
	MT-335	Probability & Statistics	3	0	3
	CS-419	Digital Signal Processing	3	1	4
SPRING 2028	CS-329	Operating Systems	3	1	4
	CS-301	Microprocessor Based System Design	3	1	4
	CS-349	Elective-1 (AI Domain)	3	1	4
	MT-442	Numerical Methods	3	0	3
	EF-305	Engineering Economics & Management	3	0	3
	EA-E5	Foreign Language-I			NC
		Changed with vide Resolution No. AC-168.4(ii)			

Batch 2016-17

FINAL YEAR ---------- SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Computer Systems Engineering			
FALL 2019	CS-428	Parallel & Distributed Computing	3	1	4
	CS-412	Artificial Intelligence	3	1	4
	CS-419	Digital Signal Processing	3	1	4
	MT-442	Numerical Methods	3	0	3
	CS-406	Computer Engineering Project	0	3	3
SPRING 2020	CS-417	Computer Systems Modelling	3	0	3
	CS-499	Elective Course	2	1	3
	***MG-482**	**Organizational Behaviour**	**3**	**0**	**3**
	CS-425	Entrepreneurship of Computer Engineers	3	0	3
	CS-406	Computer Engineering Project	0	3	3
		* Changed vide Resolution No. AC-146.4			

Elective Courses:
CS-413 Internet Computing
CS-422 Introduction to Embedded Systems
CS-426 Computer Systems Security
CS-427 Robotics and Kinematics