

BS Software Engineering				
Semester 1	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	CP103	Introduction to Computing	3	10
	CP101	Introduction to Computing – Lab	1	10
	GE102	Basic Electronics	2	10
	GE101	Basic Electronics – Lab	1	10
	AL143	Discrete Structures	3	10
	ENG110	Functional English	3	10
	PAK102	Ideology and Constitution of Pakistan	2	10
	Only for Medical background students			
	MAT103	Pre-Calculus	3	3
Semester 2	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	CP113	Programming Fundamentals	3	2
	CP111	Programming Fundamentals-LAB	1	2
	AR102	Digital Logic and Design	2	2
	AR101	Digital Logic and Design-LAB	1	2
	ENG211	Expository Writing	3	2
	CCE201	Civics and Community Engagement	2	2
	MAT113	Calculus and Analytical Geometry	3	2
	Only for Medical background students			
	MAT123	Elementary Algebra	3	1
	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	CP223	Object Oriented Programming	3	9
	CP221	Object Oriented Programming-LAB	1	9

Semester 3	AR223	Computer Organization and Assembly Language	3	9
	AR221	Computer Organization and Assembly Language-LAB	1	9
	MAT253	Probability & Statistics	3	9
	SEP203	Professional Practices	2	9
	MAT243	Multivariate Calculus	3	9
	ENT102	Fundamentals of Entrepreneurship	2	9
Semester 4	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	CP233	Data Structure	3	1
	CP231	Data Structure – Lab	1	1
	DB203	Database Systems	3	1
	DB201	Database Systems - Lab	1	1
	SE203	Software Engineering	3	1
	MAT233	Linear Algebra	3	1
	ISL201	Islamic Studies	2	1
	SS102	Fundamentals of Psychology	2	1
Semester 5	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	NS312	Information Security	2	7
	NS311	Information Security - Lab	1	7
	AR332	Operating Systems	2	7
	AR331	Operating Systems- Lab	1	7
	SD422	Software Requirement Engineering	2	7
	SD421	Software Requirement Engineering - Lab	1	7
	ENG203	English III	3	7
	PBD323	Web Engineering	3	7
	SENS3513	Operating Systems	3	1

	SENS3511	Operating Systems - Lab	1	1
	PBD353	Agentic AI-Driven Software Engineering	3	3
	PBD363	AI-Driven Digital Marketing	3	4
Semester 6	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	SENS3523	Computer Communication and Networks	3	1
	SENS3521	Computer Communication and Networks - Lab	1	1
	NS302	Computer Networks	2	1
	NS301	Computer Networks - Lab	1	1
	AL352	Artificial Intelligence	2	1
	AL351	Artificial Intelligence - Lab	1	1
	SD302	Software Design & Architecture	2	1
	SD301	Software Design & Architecture - Lab	1	1
	AL303	Analysis of Algorithms	3	1
	PBD333	Web Application Development	3	1
	PBD343	Automated Software Testing	3	1
	SECP4063	Advance Web Programming	3	1
	SEAD3463	Applied Machine Learning	3	1
Semester 7	Fall 2026			
	Course Code	Course Title	Credit Hours	Sections
	SENS4533	Information Security	3	6
	SESM4323	Software Project Management	3	6
	SESE4143	Software Re-engineering	3	6
	SESD3263	Automated Software Testing	3	6
	SEST4663	DevOps Fundamentals	3	6
	SESD4913	Final Year Project I	3	1
	Fall 2026			

Semester 8	Course Code	Course Title	Credit Hours	Sections
	SEGE3953	Professional Practices	3	2
	SESM3313	Software Quality Engineering	3	2
	SESS3763	Operations Research	3	1
	SESS3753	Stochastic Processes	3	1
	SEGE4963	Organizational Behaviour and Culture	3	2
	SEGE4993	Marketing Management	3	2
	SESD4923	Final Year Project II	3	1