

BS Software Engineering				
Semester 1	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	CP103	Introduction to Computing	3	1
	CP101	Introduction to Computing – Lab	1	1
	GE102	Basic Electronics	2	1
	GE101	Basic Electronics – Lab	1	1
	AL143	Discrete Structures	3	1
	ENG110	Functional English	3	1
	PAK102	Ideology and Constitution of Pakistan	2	1
	MAT103	Pre-Calculus	3	1
Semester 2	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	CP113	Programming Fundamentals	3	1
	CP111	Programming Fundamentals-LAB	1	1
	AR102	Digital Logic and Design	2	1
	AR101	Digital Logic and Design-LAB	1	1
	ENG211	Expository Writing	3	1
	CCE201	Civics and Community Engagement	2	1
	MAT113	Calculus and Analytical Geometry	3	1
	MAT123	Elementary Algebra	3	1
Semester 3	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	CP223	Object Oriented Programming	3	1
	CP221	Object Oriented Programming-LAB	1	1
	AR223	Computer Organization and Assembly Language	3	1
	AR221	Computer Organization and Assembly Language-LAB	1	1

	MAT253	Probability & Statistics	3	1
	SEP203	Professional Practices	2	1
	MAT243	Multivariate Calculus	3	1
	ENT102	Fundamentals of Entrepreneurship	2	1
Semester 4	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	CP233	Data Structure	3	1
	CP231	Data Structure – Lab	1	1
	SESD2222	Software Design and Architecture	2	1
	SESD2221	Software Design and Architecture - 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	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	NS312	Information Security	2	1
	NS311	Information Security - Lab	1	1
	AR332	Operating Systems	2	1
	AR331	Operating Systems- Lab	1	1
	SD422	Software Requirement Engineering	2	1
	SD421	Software Requirement Engineering - Lab	1	1
	ENG203	English III	3	1
	PBD313	Digital Marketing Fundamentals	3	1
	SENS3513	Operating Systems	3	1

	SENS3511	Operating Systems - Lab	1	1
	SESE2123	Human Computer Interaction	3	1
	SEST2613	Business Process Engineering	3	1
	SESE3143	Web Application Development	3	1
	SEGE1973	Financial Accounting	3	1
Semester 6	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	SENS3523	Computer Communication and Networks	3	1
	SENS3521	Computer Communication and Networks - Lab	1	1
	SESD3242	Software Construction and Development	2	1
	SESD3241	Software Construction and Development - Lab	1	1
	SESE3133	Formal Methods in Software Engineering	3	1
	SECP4063	Advance Web Programming	3	1
	SEAD3233	Artificial Intelligence	3	1
Semester 7	Section: 1			
	Course Code	Course Title	Credit Hours	Sections
	SENS4533	Information Security	3	1
	SESM4323	Software Project Management	3	1
	SESE4143	Software Re-engineering	3	1
	SESD3263	Automated Software Testing	3	1
	SEST4663	DevOps Fundamentals	3	1
Semester 8	Course Code	Course Title	Credit Hours	Sections
	SEGE3953	Professional Practices	3	1
	SESM3313	Software Quality Engineering	3	1
	SESS3763	Operations Research	3	1
	SESS3753	Stochastic Processes	3	1
	SEGE4963	Organizational Behaviour and Culture	3	1

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