BS Software Engineering

Semester 1

	Summer 2024	
Course Code	**Course Title**	**Sections**
CP103	Introduction to Computing	1
CP101	Introduction to Computing - Lab	1
GE102	Basic Electronics	1
GE101	Basic Electronics - Lab	1
ENG110	Functional English	1
PAK102	Ideology and Constitution of Pakistan	1
AL143	Discrete Structures	1
MAT103	Pre-Calculus (Only medical background)	1

Semester 2

	Summer 2024	
Course Code	**Course Title**	**Sections**
SECP1023	Programming Fundamentals (PF-SE-T) – Theory	1
SECP1021	Programming Fundamentals (PF-SE-L) – Lab	1
ENG102	Communication & Presentation Skills (ENG-II-SE)	1
SESE1113	Software Engineering	1
SESS1713	Calculus and Analytical Geometry	1
SESS1783	Elementary Algebra (only Medical background)	1

Semester 3

	Summer 2024	
Course Code	**Course Title**	**Sections**
SECP2033	Object Oriented Programming	1
SECP2031	Object Oriented Programming Lab	1
SESD2213	Software Requirements Engineering	1

	SEAD3423	Introduction to Database Systems - Theory	1
S.	SEAD3421	Introduction to Database Systems – Lab	1
	SESS2743	Linear Algebra	1
	ISL201	Islamic studies	1

	Summer 2024		
	Course Code	**Course Title**	**Sections**
	SECP2043	Data Structure & Algorithms (DSA-SE-T) – Theory	1
	SECP2041	Data Structure & Algorithms (DSA-SE-L) – Lab	1
Semester 4	SESD2222	Software Design & Architecture (SDA-SE-T) - Theory	1
	SESD2221	Software Design & Architecture (SDA-SE-L) – Lab	1
	SESD3233	Web Engineering	1
	ENG203	Technical and Business Writing (Eng-III-SE)	1
	SESS2733	Probability and Statistics (PROB-SE)	1

	Summer 2024		
	Course Code	**Course Title**	**Sections**
	SENS3513	Operating Systems (OS-SE-T) Theory	1
	SENS3511	Operating Systems (OS-SE-L) Lab	1
Semester 5	SESE2123	Human Computer Interaction (HCI-SE)	1
	SEST2613	Business Process Engineering (BPE-SE)	1
	PSY101	Introduction to Psychology	1
	SEGE1973	Financial Accounting (FA-SE)	1

	Summer 2024		
	Course Code	**Course Title**	**Sections**
	SENS3523	Computer Comm. and Networks (CCN-SE-T) Theory	1

	Course Code	Course Title	Sections
Semester 6	SENS3521	Computer Comm. and Networks (CCN-SE-L) Lab	1
	SESE3133	Formal Methods in Software Engineering (FM-SE)	1
	SESD3242	Software Construction and Development (SCD-SE-T) - Theory	1
	SESD3241	Software Construction and Development (SCD-SE-L) –Lab	1
	SESD3253	Software Testing (ST-SE)	1
	SECP3053	Mobile Application Development (MAD-SE) (SE Elective – I)	1
Semester 7	**Summer 2024**		
	Course Code	**Course Title**	**Sections**
	SENS4533	Information Security – (ISEC-SE)	1
	SESM4323	Software Project Management – (SPM-SE)	1
	SESE4143	Software Re-engineering – (SREE-SE)	1
Semester 8	**Summer 2024**		
	Course Code	**Course Title**	**Sections**
	SEGE3953	Professional Practices	1
	SESM3363	Software Quality Assurance (SQA-SE)	1
	SESM3313	Software Quality Engineering	1