COLLEGE OF ARTS AND SCIENCES
Department of Mathematical and Physical Sciences

Study Plan for B.Sc. in Statistics

Year	Course Code	Course Name	Pre-requisites	Credit Hours	Course Code	Course Name	Pre-requisites	Credit Hours
	Semester One (Pre-Major)				Semester Two			
1	ARAB100	Arabic language I		3	ARAB101	Arabic Language II	ARAB100	3
	ENGL150	English language I		3	ENGL152	English Language II	ENGL150	3
	HIST150	Islamic Civilization		3	MATH145	Linear Algebra I	MATH116	3
	COMP101/L	Computer Skills	COMP A/B Digital Literacy	3	MATH211	Calculus I	MATH116	4
	MATH116	Pre-Calculus		4	STAT101	Introduction to Statistics		4
			Semester Total	**16**			**Semester Total**	**17**
	Semester Three				Semester Four			
2	ENGL155	Comm. Skills	ENGL152	3	PHYS150/L	General Physics II	PHYS101/L	4
	COMP151/L	Introduction to Algorithms	COMP101/L	4		University Elective		3
	MATH212	Calculus II	MATH211	3	STAT212	Sampling Techniques	STAT101, MATH116	3
	PHYS101/L	General Physics I	MATH116	4	STAT210	Principles of Probability	STAT101, MATH212	3
	MNGT100	Entrepreneurship: Creativity and Innovation		3	STAT290	Statistical Methods	STAT101	3
			Semester Total	**17**			**Semester Total**	**16**
	Semester Five				Semester Six			
3	STAT320	Mathematical Statistics	STAT210, MATH212	3	STAT339	Regression Analysis	STAT266/L, MATH145	3
	CHEM101/L	General Chemistry I		4	STAT381	Statistical Inference I	STAT320	3
		Department Elective		3	STAT385	Design and Analysis of Experiments I	STAT290	3
		College Elective		3		College Elective		3
	STAT266/L	Computational Techniques in Statistics	COMP101/L, STAT101	3		Department Elective		3
						Department Elective		3
			Semester Total	**16**			**Semester Total**	**18**

	Semester Seven				Semester Eight		
4	STAT420	Operations Research I	MATH211 MATH145	3		Department Elective		3
	STAT421	Statistical Inference II	STAT381	3		Department Elective		3
		Department Elective		3		Department Elective		3
		Deparment Elective		3		Department Elective		3
		Department Elective		3		Department Elective		3
		Department Elective		3		Department Elective		3
		Semester Total		**18**		**Semester Total**		**18**
	Grand Total: 136						