St. Xavier's College
FYBSc Courses offered at Semester I & II

Choose any one Option		Major	Minor	MC	AEC	SEC	VAC
OPTION 1(a)	Semester I	Botany BOT-100: FUNDAMENTALS OF BOTANY	Chemistry CHC – 111 BASIC CONCEPTS IN CHEMISTRY	Psychology PSY - 131: PSYCHOLOGY OF ADJUSTMENT History HIS – 131 INDIGENOUS HERITAGE OF GOA	English ENG 151 COMMUNICATIVE ENGLISH: SPOKEN AND WRITTEN	Physics PHY-141 BASIC EXPERIMENTAL TECHNIQUES Or Electronics ELE-141: ELECTRONICS FOR BEGINNERS	1)VAC 101- ENVIRONMENTAL STUDIES 1 2)VAC 105- CONSTITUTIONAL VALUES AND OBLIGATION
	Semester II	Microbiology MIC-100 BASICS OF MICROBIOLOGY	Physics PHY-111 EVERYDAY PHYSICS Or Electronics ELE-112: DIGITAL FUNDAMENTALS – EDA	Psychology PSY 132: ENVIRONMENTAL PSYCHOLOGY History HIS – 132 WOMEN IN GOAN HISTORY	English ENG 152 : DIGITAL CONTENT CREATION IN ENGLISH	Chemistry CHC – 141 WATER AND SOIL ANALYSIS	1)VAC 112- e WASTE MANAGEMENT 2) VAC 115: HEALTH AND WELLNESS
OPTION 1(b)	Semester I	Microbiology MIC-100 BASICS OF MICROBIOLOGY	Physics PHY-111 EVERYDAY PHYSICS Or Electronics ELE-112: DIGITAL FUNDAMENTALS – EDA	Psychology PSY - 131: PSYCHOLOGY OF ADJUSTMENT History HIS – 131 INDIGENOUS HERITAGE OF GOA	English ENG 151 COMMUNICATIVE ENGLISH: SPOKEN AND WRITTEN	Chemistry CHC – 141 WATER AND SOIL ANALYSIS	1)VAC 101- ENVIRONMENTAL STUDIES 1 2)VAC 105- CONSTITUTIONAL VALUES AND OBLIGATION
	Semester II	Botany BOT-100: FUNDAMENTALS OF BOTANY	Chemistry CHC – 111 BASIC CONCEPTS IN CHEMISTRY	Psychology PSY 132: ENVIRONMENTAL PSYCHOLOGY History HIS – 132 WOMEN IN GOAN HISTORY	English ENG 152 : DIGITAL CONTENT CREATION IN ENGLISH	Physics PHY- 143 House Electrical Wiring or Electronics ELE-142: PCB DESIGNING AND FABRICATION	1)VAC 112- e WASTE MANAGEMENT 2) VAC 115: HEALTH AND WELLNESS

OPTION 2(a)	**Semester I**	Chemistry CHC – 100 FUNDAMENTALS OF CHEMISTRY	Botany BOT-111: PLANTS IN EVERDAY LIFE	Sociology SOC - 131: GENDER STUDIES: AN INTRODUCTION Political Science POL - 131: CONTEMPORARY ISSUES IN INDIA	English ENG 151 COMMUNICATIVE ENGLISH: SPOKEN AND WRITTEN	Microbiology MIC-141 TECHNIQUES IN MICROBIOLOGY - STAINING AND MICROSCOPY Computer Science CSC147 GRAPHICAL USER INTERFACE DESIGN	1)VAC 101- ENVIRONMENTAL STUDIES 1 2)VAC 105- CONSTITUTIONAL VALUES AND OBLIGATION
	Semester II	Physics PHY-100 FOUNDATIONS OF PHYSICS Or Electronics ELE-100: ELECTRONIC DEVICES AND CIRCUITS	Microbiology MIC-111 MICROBIAL ECOLOGY AND ENVIRONMENT	Sociology SOC 132: HEALTH AND SOOCIETY Political Science POL - 132: INTRODUCTION TO HUMAN RIGHTS	English ENG 152 DIGITAL CONTENT CREATION IN ENGLISH	Botany BOT-142: FRUITS AND VEGETABLE PROCESSING Or Mathematics MAT-142 STATISTICAL METHODS USING R/SPSS/PSPP	1) VAC 111-AWARENESS OF CYBER CRIMES AND SECURITY 2) VAC 115: HEALTH AND WELLNESS
OPTION 2(b)	**Semester I**	Physics PHY-100 FOUNDATIONS OF PHYSICS Or Electronics ELE-100: ELECTRONIC DEVICES AND CIRCUITS	Microbiology MIC-111 MICROBIAL ECOLOGY AND ENVIRONMENT	Sociology SOC - 131: GENDER STUDIES: AN INTRODUCTION Political Science POL - 131: CONTEMPORARY ISSUES IN INDIA	English ENG 151 COMMUNICATIVE ENGLISH: SPOKEN AND WRITTEN	Botany BOT-141: NURSERY AND GARDENING Or Mathematics MAT-141 NUMERICAL ANALYSIS USING PYTHON/ SAGEMATH	1)VAC 101- ENVIRONMENTAL STUDIES 1 2)VAC 105- CONSTITUTIONAL VALUES AND OBLIGATION
	Semester II	Chemistry CHC – 100 FUNDAMENTALS OF CHEMISTRY	Botany BOT-111: PLANTS IN EVERDAY LIFE	Sociology SOC 132: HEALTH AND SOOCIETY Political Science POL - 132: INTRODUCTION TO HUMAN RIGHTS	English ENG 152: DIGITAL CONTENT CREATION IN ENGLISH	Microbiology MIC-142 TECHNIQUES IN MICROBIOLOGY: MICROBIAL CULTIVATION AND ENUMERATION Computer Science CSC146 BASICS OF PYTHON PROGRAMMING	1) VAC 111-AWARENESS OF CYBER CRIMES AND SECURITY 2) VAC 115: HEALTH AND WELLNESS

OPTION 3(a)	**Semester I**	Computer Science CSC-100 - INTRODUCTION TO COMPUTATIONAL THINKING AND PROGRAMMING	Mathematics MAT-111 ELEMENTARY STATISTICS	Commerce COM 131- ACCOUNTING FOR NON ACCOUNTANTS	English ENG 151 COMMUNICATIVE ENGLISH: SPOKEN AND WRITTEN	Mathematics MAT-141 NUMERICAL ANALYSIS USING PYTHON/ SAGEMATH Or Computer Sc CSC 142 MULTIMEDIA AND WEB DESIGN	1)VAC 101-ENVIRONMENTAL STUDIES 1 2)VAC 109: Introduction to The Folktales of India
		Mathematics MAT-100 FOUNDATIONAL MATHEMATICS	Computer Application CSA 112 OPEN SOURCE SOFTWARE	Commerce COM 132- FUNDAMENTALS OF STOCK MARKETS	English ENG 152 : DIGITAL CONTENT CREATION IN ENGLISH	Computer Sc.. CSC146 BASICS OF PYTHON PROGRAMMING or Mathematics MAT-142 STATISTICAL METHODS USING R/SPSS/PSPP	1)VAC 112- e WASTE MANAGEMENT 2) VAC 115: HEALTH AND WELLNESS
OPTION 3(b)	**Semester I**	Mathematics MAT-100 FOUNDATIONAL MATHEMATICS	Computer Application CSA 112 OPEN SOURCE SOFTWARE	Commerce COM 131- ACCOUNTING FOR NON ACCOUNTANTS	English ENG 151 COMMUNICATIVE ENGLISH: SPOKEN AND WRITTEN	Mathematics MAT-141 NUMERICAL ANALYSIS USING PYTHON/ SAGEMATH Or Computer Sc CSC 142 MULTIMEDIA AND WEB DESIGN	1)VAC 101-ENVIRONMENTAL STUDIES 1 2)VAC 105- CONSTITUTIONAL VALUES AND OBLIGATION
	Semester II	Computer Science CSC-100 - INTRODUCTION TO COMPUTATIONAL THINKING AND PROGRAMMING	Mathematics MAT-111 ELEMENTARY STATISTICS	Commerce COM 132- FUNDAMENTALS OF STOCK MARKETS	English ENG 152 : DIGITAL CONTENT CREATION IN ENGLISH	Computer Sc.. CSC146 BASICS OF PYTHON PROGRAMMING or Mathematics MAT-142 STATISTICAL METHODS USING	1)VAC 112- e WASTE MANAGEMENT 2) VAC 115: HEALTH AND WELLNESS