

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSC CS)

C O U R S E S Y L L A B U S

YEAR 1			YEAR 2		
COURSE CODE	COURSE TITLE	CREDITS	COURSE CODE	COURSE TITLE	CREDITS
CS101	Introduction	3	CS201	Data Structures	3
CS102	Programming I	3	CS202	Operating Systems	3
MATH101	Discrete Mathematics	3	CS203	Object-Oriented	3
MATH102	Algebra & Trigonometry	3	CS204	Database Management	3
GE101	Communication Skills	3	CS205	Human-Computer	3
CS103	Programming II	3	MATH201	Calculus for Computing	3
CS104	Web Development I	3	GE201	IT Ethics & Professional	3
CS105	Computer Organization	3	GE202	Science, Tech & Society	3
GE102	Physical Education	2	GE203	Physical Education	2
GE103	Understanding the Self	3	ELEC201	Elective I	3

YEAR 3			YEAR 4		
COURSE CODE	COURSE TITLE	CREDITS	COURSE CODE	COURSE TITLE	CREDITS
CS301	Artificial Intelligence	3	CS401	Capstone Project I	3
CS302	Computer Networks	3	CS402	Capstone Project II	3
CS303	Mobile App Development	3	CS403	Emerging Technologies	3
CS304	Software Engineering	3	CS404	IT Project Management	3
CS305	Cloud Computing	3	INT401	Internship / Practicum	6
CS306	Data Science	3	SEM401	Seminar in Computing	1
RES301	Research Methods	3	ELEC403	Elective III (AR/VR, Blockchain)	3
GE301	Entrepreneurship	3			
ELEC302	Elective II (e.g.- Cybersecurity)	3			

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