

COURSE CONTENT

Year One Semester 01

Course Code	Course Title	Credits
COM1301	Introduction to Computer Systems	3
COM1302	Computer Architecture	3
COM1303	Fundamentals of Programming	3
COM1304	Academic Practices and Grooming	3
COM1305	Mathematics for Computing I	3

Year One Semester 02

Course Code	Course Title	Credits
COM1306	Data Structures and Algorithms	3
COM1307	Object Oriented Programming	3
COM1308	Web Technologies	3
COM1309	Data Communications	3
COM1310	Mathematics for Computing II	3

Year Two Semester 01

Course Code	Course Title	Credits
SEN2301	Introduction to Software Engineering	3
COM2301	Database Systems	3
COM2302	Systems Analysis and Design	3
COM2303	Operating Systems	3
COM2304	Applied Statistics	3

Year Two Semester 02

Course Code	Course Title	Credits
SEN2302	Software Requirements Engineering	3
COM2305	Theory of Computation	3
COM2306	Computer Security	3
COM2307	Human Computer Interaction	3
SEN2303	Software Architecture	3

Year Three Semester 01

Course Code	Course Title	Credits
COM3301	Research Methods for Computing	3
SEN3301	Software Engineering Group Project	3
SEN3302	Software Project Management	3
SEN3303	Software Engineering Practices	3
SEN3304	Enterprise Architectures	3
SEN3305	Software Quality Assurance	3
	01 Elective	
COM3302	Knowledge-based Systems	3
COM3303	Emerging Technologies	3
COM3304	IT Support for End Users	3
SEN3306	Visual Programming	3
SEN3307	Computer Graphics and Multimedia	3

Year Three Semester 02

Course Code	Course Title	Credits
SEN3908	Work Based Enterprise Placement	9

Year Four Semester 01

Course Code	Course Title	Credits
COM4901	Final Year Individual Project	9
COM4302	IT Professionalism and Practice	3
SEN4301	Formal Methods in Software Development	3
SEN4302	Mobile Application Development	3
SEN4303	Advanced Database Systems	3
	01 Elective	3
COM4303	Data Science	3
COM4304	High Performance Computing	3
COM4305	Database Server Management	3
SEN4304	Advanced Web Technology	3

Year Four Semester 02

Course Code	Course Title	Credits
COM4306	Cloud Computing	3
SEN4305	Systems Programming	3
SEN4306	Game Development and Programming	3
COM4307	Internet of Things	3
COM4308	Operational Research	3
SEN4307	Embedded Systems Design	3
SEN4308	Artificial Intelligence	3