

B.Sc Computer Science Course Structure (Year 2006 / 2007)

Year One Programme

Discipline/Course	Sem.1	Sem.2
CES 101: Study Skills	2 units	
CES 102: Introduction to Logic		2 units
CS 105: Calculus I	3 units	
CS 106: Calculus II		3 units
CES 107: Language & Communication Skills I	3 units	
CES 108: Language & Communication Skills II		3 units
CES 111: Introduction to Social Ethics	2 units	
CES 112: Civics & Government		2 units
EBA 222: Introduction to Accounting	3 units	
CS 102: Introduction to Physics		3 units
CS 103: Introduction to Information Technology I	3 units	
CS 109: Introduction to Information Systems		3 units
CS 107: Introduction to Structured Program Design	3 units	
CS 104: Introduction to Information technology II		3 units
Total	19 units	19 units

Year Two Programme

Discipline/Course	Sem.1	Sem.2
CS 203: Computer Systems Architecture	3 units	
CS 204: Electronics		3 units
CS 205: Discrete Mathematics	3 units	
CS 206: Numerical Methods and Computations		3 units
CS 208: Data Structures and Algorithms		3 units
CS209: Systems Analysis & Design (Object Orientation)	3 units	
CS 211: Microprocessors	3 units	
CS210: Programming with Visual Basic		3 units
CS 213: Programming with C++ I	3 units	
CS214: Programming with C++ II		3 units
EBA 221: Introduction to Economics	3 units	
CS 215: Operating Systems		3 units
Total	18 units	18 units

Year Three Programme

Discipline/Course	Sem.1	Sem.2
CS 301: Computer Graphics	3 units	
CS 304: Statistics & Probability		3 units
CS 305: Operations Research I	3 units	
CS 306: Data Comm. & Computer Networks II		3 units
CS 307: Software Engineering I	3 units	
CS 308: Software Engineering II		3 units
CS 309: Database Systems I	3 units	
CS 310: Database Systems II		3 units
CS 311: Programming With JAVA I	3 units	
CS 312: Programming With JAVA II		3 units
CS 313: Data Comm. & Computer Networks I	3 units	
CS 314: Web Programming		3 units
CES 311: Catholic Social Teaching	2 units	
CS 316 :Industrial Attachment (Work Experience)		3 units
Total	20 units	21 units

Year Four Programme

Discipline/Course	Sem.1	Sem.2
CS 401: Introduction to Artificial Intelligence	3 units	
CS 402: Assembler Language Programming		3 units
CS 403: Electronic Commerce	3 units	
CS 404: Survey of Programming Languages		3 units
CS 405: Entrepreneurship	3 units	
CS 406: Operations Research II		3 units
CS 407: Human Computer Interface	3 units	
CS 408: Introduction to Compilers		3 units
CS 409: Project I	3 units	
CS 410: Project II		3 units
CES 411: Interfaith Encounter & Rel. Dialogue	2 units	
CS 412: IT Security/Legal & Ethics		3 units
Total	17 units	18 units