PHYSICAL SCIENCE – Information and Communication Technology (ICT)
B.Sc. (General) Degree – Proposed Curriculum (2017)

Each student should take course units having a minimum cumulative credit value of 27.0 for each year.

c – core course unit, o – optional course unit

FIRST YEAR

Semester I

ICT 105 1.5	Computer Architecture	(c)
ICT 106 1.5	Fundamentals of Computer Programming	(c)
ICT 107 1.0	Computer Programming - Laboratory I	(c)
ICT 108 1.0	Software Engineering I	(c)

Semester II

ICT 129 2.0	Object Oriented Programming	(c)
ICT 130 1.0	Computer Programming - Laboratory II	(c)
ICT 131 2.0	Software Engineering II	(c)

SECOND YEAR

Semester I

ICT 204 2.0	Data Structures and Algorithms	(c)
ICT 205 1.5	Operating Systems	(c)
ICT 206 1.5	Database Systems and Administration	(c)

Semester II

ICT 229 2.0	UI & UX Design	(c)
ICT 230 1.5	Networking and System Administration	(c)
ICT 231 1.5	Visual Programming	(c)

THIRD YEAR

Semester I

ICT 304 1.5	Multimedia Technologies	(c)
ICT 305 2.0	Embedded Systems	(c)
ICT 306 1.5	Mobile Technologies and Application Development	(o)

Semester II

ICT 330 2.0	Software Architecture and Design	(c)
ICT 331 1.5	Software Quality Assurance	(c)
ICT 332 1.5	Human Computer Interaction	(o)
ICT 333 1.5	Data Mining and Data Warehousing	(o)
ICT 334 2.0	Project (Individual/Group)	(o)