PREREQUISITES (NB: You cannot register for a unit ig you have not sat the prerequisite units)

First Year

Semester I

UCU 101 Communication Skills

UCU 103 Human Health

BBA 102 Business Studies

MAT 101 Foundations of Mathematics

ICT 101 Fundamentals of ICT

ICT 102 Computer Programming

ICT 103 Computers and Society

Semester II

UCU 104 Cultural Studies

MAT 102 Discrete Mathematics

Prerequisites: MATH 101

PHY 102 Electricity and Magnetism

Pre-requisite: PHY 101

ICT 104 Operating Systems

Pre-requisite: ICT 101, ICT 102

ICT 105 Software Application Development

Pre-requisite: ICT 101, ICT 102

ICT 106 Systems Analysis and Design

Pre-requisite: ICT 102

ICT 107 Introduction to Object Oriented Programming

ICT 108 Data Structures and Algorithms

Pre-requisite: ICT 102

Semester III

UCU 105 Ethics

MAT 103 Introduction to Calculus

Pre-requisite: MAT 101

SBC 101 Introduction to Accounting I

Pre-requisite: BBA 102

ICT 109 Database Systems

Pre-requisite: ICT 104, ICT 105

ICT 110 Introduction to Networking

Pre-requisite: ICT 101, ICT 104

ICT 111 Object Oriented Analysis and Design

Pre-requisite: ICT 106, ICT 107

ICT 112 Introduction to Application Programming

Pre-requisite: ICT 105, ICT 107

Second Year

Semester I

ICT 201 Logic Circuits

Pre-requisite: MAT 102, PHY 102

UCU 106 Leadership Development

MAT 201 Advanced Calculus

Pre requisite: MAT 103

SBC 105 Principles of Management

Pre-requisite: BBA 102

LLB 105 Law of Contracts I

ICT 201 Data Communications and Networks

Pre-requisite: ICT 110

ICT 202 Advanced Object Oriented Programming

Pre-requisite: ICT 106, ICT 111

ICT 203 Web Applications Programming

Pre-requisite: ICT 112

ICT 204 Computer Organization and Architecture

Semester II

UCU 107 Entrepreneurship Skills

MAT 202 Introduction to Probability and Statistics

Pre-requisite: MAT 201

ICT 205 Programming Languages

Pre-requisite: ICT 108, ICT 202

ICT 206 E – Commerce

Pre-requisite: ICT 203

ICT 207 Advanced Database Systems

Pre-requisite: ICT 109

ICT 208 Software Patterns and Large Applications

Pre-requisite: ICT 202

ICT 209 Software Project Management

Pre-requisite: ICT 111

ICT 210 Network Systems Administration

Pre-requisite: ICT 201

Semester III

UCU 108 Environmental Studies

MAT 203 Advanced Probability and Statistics

Pre requisite: MAT 202

ICT 211 Research Methods

Pre requisite: ICT 209

ICT 212 Human Computer Interaction

Pre-requisite: ICT 208

ICT 213 Network Security and Cryptography

Pre-requisite: ICT 210

ICT 214 Software Engineering

Pre-requisite: ICT 209

ICT 215 Database Administration

Pre-requisite: ICT 207, ICT 210

ICT 216 Artificial Intelligence

Pre-requisite: MAT 102, ICT 102

Third Year

Semester I

UCU 109 Community Service

ICT 301 Project

Pre-requisite: ICT 208, ICT 214

ICT 302 Professional Ethics in Computing

Pre-requisite: ICT 101, ICT 214, LLB 105, UCU 105

ICT 303 Simulation and Modeling

Pre-requisite: MAT 203

ICT 304 Structured Cabling

Pre-requisite: ICT 210

(Plus 2 Electives)

Semester II

ICT 305 Distributed Information Systems

Pre-requisite: ICT 201, ICT 202

ICT 306 Cyberspace Law

Pre-requisite: ICT 302

ICT 307 Wireless Computing

Pre-requisite: ICT 201, ICT 304

ICT 308 Management Information Systems

Pre-requisite: ICT 214

(2 Electives)

Semester III

ICT 309 Attachment (ALL)

Electives

LLB 120 Intellectual Property Law

SBC 210 Strategic Management

Pre-requisite: SBC 105

ICT 310 Decision Support Systems

Pre-requisite: ICT 216

ICT 311 Information Systems Audit

Pre-requisite: ICT 214

ICT 312 Business Continuity and Disaster Recovery

Pre-requisite: ICT 214

ICT 313 Knowledge Based Systems

Pre-requisite: MAT 102, ICT 216

ICT 314 Multimedia Application Development

Pre-requisite: ICT 212

ICT 315 Information Technology Governance

Pre-requisite: ICT 214

ICT 316 Web Application Server Programming

ICT 317 Digital Image Processing

Pre-requisite: MAT 102, ICT 208

ICT 318 Neural Networks