

## 6.2.2 BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

### Entry Requirements

A candidate must satisfy any of the following minimum requirements:

- i. Be a holder of KCSE (or equivalent examination) certificate with a minimum aggregate of C+ and a minimum of C+ in both Mathematics and English  
OR
- ii. Be a holder of KACE certificate with a minimum of two principal passes and one subsidiary pass at A-level, and a minimum of a principal pass in Mathematics or Physics with credit pass in mathematics at O-level  
OR
- iii. Accredited Diploma in Information Technology or related field with a credit pass

### Examinations

Common University regulations shall apply

### Certification

No certification

**Unit Code and Title****Level 100**

UCU 100: Communication Skills  
UCU 103: Introduction to Critical and Creative Thinking  
UCU 101: Development Studies  
SIT 101: Foundation of information technology  
SIT 102: Introduction to structured programming  
SIT 103: Computers and society  
SIT 104: Visual Basic Programming  
SIT 105: Introduction to Computer Hardware  
SIT 106: Programming Methodology  
SIT 107: Introduction to Information Systems  
SIT 108: Introduction to Logic  
SIT 109: Introduction to Internet Technology  
SIT 110: Introduction to statistics  
SIT 111: Introduction to Databases  
SIT 112: Introduction to digital electronics  
SIT 113: Networking

**Level 200**

SIT 200: Management Information Systems  
SIT 201: Data Communications and Networks  
SIT 202: Database Management Systems  
SIT 203: Object Oriented Programming  
SIT 204: System Analysis and Design  
SIT 206: Data Structures and Algorithms  
SIT 205: Information Technology Business Planning  
SIT 207: Software Engineering  
SIT 208: Ethics in Information System  
SIT 209: Web Design  
SIT 210: Multimedia Systems  
SIT 211: Introduction to Logic Programming

**Level 300**

SIT 300: Component Programming  
SIT 302: Information System Security  
SIT 303: System Administration  
SIT 304: Operating Systems  
SIT 305: Introduction to Artificial Intelligence  
SIT 306: Data Communications and Networking  
SIT 301: Database Administration  
SIT 307: Management Information System  
SIT 308: Human Computer Interaction  
SIT 309: Object Oriented Design  
SIT 310: Fundamentals of Programming Languages  
SIT 311: Computer Architecture

**Level 400**

SIT 400: Project (2 units)

SIT 401: Information System Management SIT

402: Issues in Information Technology SIT 404:

Management Mathematics

SIT 405: E-Commerce

SIT 408: Decision Support Systems

SIT 409: Data Mining and Knowledge Discovery

SIT 410: Knowledge Based Systems

SIT 411: Distributed Systems

SIT 412: Accounting Information Systems