# LIST OF COURSES FOR BSC INFORMATION TECHNOLOGY

## FIRST YEAR- LEVEL I COURSES

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| **S/N** | **Course Code** | **Course Title** | **Credits** | **Status** |
| **1** | CSC 1303 | Introduction to Computer Science | 3 | Core |
| **2** | ITC 1203 | Fundamentals of IT | 2 | Core |
| **3** | CST 1311 | Introduction to Probability | 3 | Core |
| **4** | MTH 1301 | Elementary Mathematics I | 3 | Core |
| **5** | PHY 1210 | Mechanics | 2 | Core |
| **6** | PHY 1220 | Electricity and Magnetism | 2 | Core |
| **7** | CHM 1201 | General Chemistry I | 2 | Required |
| **8** | CHM 1107 | General Practical Chemistry I  | 2 | Required |
| **9** | BIO 1101 | General Biology I | 2 | Elective |
| **10** | BIO 1107 | General Biology Practical I | 1 | Elective |
| **11** | GSP 1201 | Use of English | 2 | Core |
| **12** | SWE 1301 | Introduction to Problem Solving | 3 | Core |
| **TOTAL** | **26** |  |
| **S/N** | **Course Code** | **Course Title** | **Credits** | **Status** |
| **1** | CST 1304 | Introduction to Computer Programming | 3 | Core |
| **2** | CST 1301 | Introduction to Application Packages | 3 | Core |
| **3** | MTH 1303 | Elementary Mathematics III | 3 | Core |
| **4** | PHY 1230 | Behavior of Matter | 2 | Core |
| **5** | GSP 1202 | Use of Library, Study Skills and ICT | 2 | Core |
| **6** | CBS 1202 | Fundamentals of Cybersecurity | 2 | Core |
| **TOTAL** | **15** |  |

## SECOND YEAR- LEVEL II COURSES

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| **FIRST SEMESTER COURSES** |
| **S/N** | **Course Code** | **Course Title** | **Credits** | **Status** |
| **1** | SWE2313 | Computer Programming I | 3 | Core |
| **2** | ITC2201 | Introduction to Web Computing | 2 | Core |
| **3** | ITC2203 | Information Technology in Business | 2 | Core |
| **4** | SWE2301 | Introduction to Software Engineering | 3 | Core |
| **5** | CSC2253 | Data Structure and Algorithm | 2 | Core |
| **6** | CSC2321 | Discrete Structures  | 3 | Core |
| **7** | GSP2204 | Foundation of Nigerian Culture, Government & Economy | 2 | Core |
| **8** | GSP2206 | Peace studies and Conflict | 2 | Core |
| **9** | GSP2201 | Use of English  | 2 | Core (D.E) |
|  |   | Minimum (Regular) | 19 |   |
|  |   | Minimum (DE) | 21 |   |
| **SECOND SEMESTER COURSES** |
| **S/N** | **Course Code** | **Course Title** | **Credits** | **Status** |
| 1 | CSC2204 | Analysis of Algorithms | 2 | Core |
| 2 | CSC2214 | Human Computer Interaction | 2 | Core |
| 3 | ITC2324 | System Analysis and Design for IT  | 3 | Core |
| 4 | CSC2231 | Computer Architecture  | 2 | Core |
| 5 | CSC2210 | Operating System I | 2 | Core |
| 6 | SWE2316 | Programming II | 3 | Core |
| 7 | CSC2206 | Computer Architecture and Organisation  | 2 | Core |
| 8 | MTH2205 | Linear Algebra I | 2 | Core |
| 9 | GSP2205 | Logic and Philosophy | 2 | Core |
| 10 | GSP2202 | Use of Library, Study Skill &ICTs  | 2 | Core (DE Only) |
|   |   | Minimum (Regular) | 20 |   |
|   |   | Minimum (DE) | 22 |   |

## THIRD YEAR- LEVEL III COURSES

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| FIRST SEMESTER COURSES |
| **S/N**  | **Course Code**  | **Course Title**  | **Credits**  | **Status** |
| 1 | ITC3201 | Data Analysis | 2 | Core |
| 2 | ITC3202 | Enterprise Architecture | 2 | Core |
| 3 | ITC3303 | Data Communications and Networking | 3 | Core |
| 4 | ITC3304 | Web Application Development | 3 | Core |
| 5 | SWE3202 | System Testing, Integration and Quality Assurance | 2 | Core  |
| 6 | CSC3251 | Research Methods | 2 | Core |
| 7 | ITC3305 | Database Management Systems | 3 | Core |
| 8 | ITC3321 | Web Server Administration | 3 |  Elective |
| 9 | ITC3331 | Database Programming | 3 |  Elective |
| 10 | ITC3341 | Network Servers and Infrastructures | 3 |  Elective |
|   |   | Minimum  | 23 |   |
| SECOND SEMESTER COURSES (all courses here must be registered) |
| **S/N**  | **Course Code**  | **Course Title**  | **Credits**  | **Status** |
| 1 | ITC3600  | SIWES  | 6 | Core |
|   |   | TOTAL  | 6 |   |

## FOURTH YEAR- LEVEL IV COURSES

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| FIRST SEMESTER COURSES |
| **S/N**  | **Course Code**  | **Course Title**  | **Credits**  | **Status** |
| 1 | ITC4204 | Mobile Application Development | 2 | Core |
| 2 | SWE4203 | Project Management | 2 | Core |
| 3 | ITC3306 | Distributed Systems | 3 | Core |
| 4 | ITC4303 | Applied Networks and Security | 3 | Core |
| 5 | ITC4223 | Ethics and Professional Practice in IT | 2 | Core  |
| 6 | EEP3201 | Entrepreneurship & Innovation  | 2 | Core |
| 7 | ITC4305 | Integrative Programming and Technologies | 3 | Core  |
| 8 | ITC4321 | Web Development using Content Management Systems | 3 | Elective |
| 9 | ITC4331 | Database Administration | 3 | Elective |
| 10 | CBS4305 | Network Security | 3 | Elective |
| 11 | ITC4342 | Software Defined Networks | 3 | Elective |
|   |   | TOTAL | 29 |  |
| SECOND SEMESTER COURSES (all courses here must be registered) |
| **S/N**  | **Course Code**  | **Course Title**  | **Credits**  | **Status** |
| 1 | ITC4307 | System Administration and Management | 3 | Core |
| 2 | EEP4201 | Venture Creation and Growth | 2 | Core |
| 3 | CBS4211 | Enterprise Security and Information Assurance | 2 | Core |
| 4 | ITC4215 | Special Topics in IT | 2 | Core |
| 5 | ITC4600 | Final Year Project | 6 | Core |
| 6 | ITC4322 | Mobile Development | 3 | Elective |
| 7 | CBS4310 | Database Application Security | 3 | Elective |
| 8 | ITC4344 | Cloud Computing | 3 | Elective |
| 9 | ITC4341 | Wireless Communications and Networking | 3 | Elective |
|   |   | TOTAL | 27 |   |