100 Level – Computer Engineering

First Semester

- GST 111: Communication in English (2, C)
- MTH 101: Elementary Mathematics I: Algebra and Trigonometry (2, C)
- PHY 101: General Physics I: Mechanics (2, C)
- PHY 107: General Practical Physics I (1, C)
- CHM 107: General Practical Chemistry I (1, C)
- CHM 101: General Chemistry I (2, C)
- BUT-CPE 103: Introduction to Computer Programming (2, C)
- BUT-MTH 103: General Mathematics III (2, C)
- BUT-STA 112: Probability I (2, C)
- BUT-GST 107: Use of Library (1, C)
- BUT-ICT 131: CompTIA A+ (1, C)

  Total Units: 18

Second Semester

- GST 112: Nigerian Peoples and Culture (2, C)
- MTH 102: Elementary Mathematics II: Calculus (2, C)
- PHY 102: General Physics II: Behaviour of Matter (2, C)
- PHY 108: General Practical Physics II (1, C)
- GET 102: Engineering Graphics and Solid Modelling I (2, C)
- CPE 112: Introduction to Computer Engineering (1, C)
- GET 101: Engineer in Society (1, C)
- CHM 102: General Chemistry II (2, C)
- CHM 108: General Practical Chemistry II (1, C)
- BUT-PHY 104: General Physics IV (2, C)

- BUT-ICT 132: CompTIA A+ 2 (1, C)

  Total Units: 18

200 Level – Computer Engineering

First Semester

- ENT 211: Entrepreneurship and Innovation (2, C)
- GET 201: Applied Electricity I (3, C)
- GET 203: Engineering Graphics & Solid Modelling II (2, C)
- GET 205: Fundamentals of Fluid Mechanics (3, C)
- GET 209: Engineering Mathematics I (3, C)
- GET 211: Computing and Software Engineering (2, C)
- GET 207: Applied Mechanics (2, C)
- BUT-ICT 215: Robotics I (0, C)

  BUT-GST 207: Life and Works of Olusegun Obasanjo I (0, C)

  Total Units: 18

Second Semester

- GST 212: Philosophy, Logic and Human Existence (2, C)
- GET 202: Engineering Materials (3, C)
- GET 204: Students Workshop Practice (2, C)
- GET 206: Fundamentals of Thermodynamics (3, C)
- GET 210: Engineering Mathematics II (3, C)
- BUT-GET 204: Industrial Health & Safety (1, R)
- BUT-GET 208: Strength of Materials (2, C)
- BUT-ICT 216: Robotics 2 (0, C)

  BUT-GST 208: Life and Works of Olusegun Obasanjo II (0, C)

  Total Units: 17

- *GET 299: SIWES 1: Students Work Experience Scheme(9 Weeks) (3, C)

300 Level – Computer Engineering (First Semester)

- ENG 301: Engineering Mathematics III (3, C)
- CEN 301: Software Development Techniques (2, C)
- CEN 303: Computer Logics (2, C)
- CEN 315: Operating Systems I (2, C)
- EEE 305: Electronics Engineering Lab. I (2, C)
- EEE 307: Electric Circuit Theory I (3, C)
- EEE 313: Basic Electrical Machines I (2, C)
- EEE 315: Electrical/Electronic Lab (1, R)
- TCE 301: Signals and Systems Analysis (2, C)
- TCE 303: Electromagnetic Fields Analysis (3, R)
- BUS 311: Introduction to Entrepreneurship Studies (2, C)
- ICT 323: Python Programming (2, R)

  Total Units: 23

300 Level – Computer Engineering (Second Semester)

- ENG 302: Engineering Mathematics IV (3, C)
- CEN 304: Software Packages in Engineering (2, C)
- CEN 308: Digital Electronics (2, C)
- CEN 310: Computer Graphics & Animation (2, C)
- CEN 312: Introduction to Information and Communication (2, R)
- CEN 316: Computer Engineering Lab. II (1, R)
- EEE 308: Electronics Engineering II (2, C)
- TCE 302: Principles of Communication Engineering (2, C)
- TCE 304: Electromagnetic Waves Theory (2, C)

- GES 302: Introduction to Philosophy (2, R)
- ICT 324: Python Programming for Machine Learning I (1, C)

Total Units: 21

400 Level – Computer Engineering (First Semester)

- BUS 411: Entrepreneurial Skills Development Studies (2, C)
- CEN 401: Computer Organization and Architecture (3, C)
- CEN 403: Data Communication and Computer Networks (2, C)
- CEN 407: Microcomputer Architecture and Programming (2, C)
- EEE 401: Digital Electronics (2, C)
- EEE 403: Power Electronics (2, C)
- EEE 415: Advance Electronics in Engineering (2, R)
- MEE 411: Research Methods in Engineering (2, R)
- EEE 405: Control Systems (3, C)
- ICT 423: Python Programming for Machine Learning 2 (Deep Learning) (1, C)

Total Units: 21

400 Level – Computer Engineering (Second Semester)

- ENG 402: Students' Industrial Work Experience (SIWES) II (6 Months) (6, C)

Total Units: 6

500 Level – Computer Engineering (First Semester)

- CEN 501: Digital System Design (2, C)
- CEN 503: Microprocessor System and Interfacing (2, C)
- CEN 509: Computer Security Techniques (2, E)
- CEN 511: Computer Software Engineering (2, C)
- EEE 509: Digital Signal Processing (2, E)
- MEE 505: Valuation of Engineering Systems (2, R)
- MEE 523: Operations Research (2, R)
- MEE 527: Engineering Management (2, R)
- TCE 511: Communication Systems (2, C)
- ICT 515: ISO 45001 Foundation and Lead Implementer (Occupational Health...) (1, C)

Total Units: 19

500 Level – Computer Engineering (Second Semester)

· CEN 502: Internet and Web Applications Technologies (2, C)
· CEN 504: Embedded Systems Design (2, C)
· CEN 506: Fuzzy Logic and Programming (2, R)
· CEN 508: Student Research Project (6, C)
· CEN 510: Special Topics in Computer Engineering (2, E)
· EEE 502: Reliability and Maintainability of Systems (2, C)
· EEE 512: Engineering Law (2, R)
· EEE 504: Digital Control Systems (2, CE
· ICT 516: Design Thinking (1, C)