### 100 Level – Civil 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 115: AutoCAD 2D (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)
* CEE 101: Introduction to Civil 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 116: AutoCAD 3D (1, C)  
  **Total Units**: 18

### 200 Level – Civil 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-MCT 204: Industrial Health & Safety (1, R)
* BUT-GET 208: Strength of Materials (2, C)
* BUT-ICT 217: Robotics 2 (0, C)
* BUT-GST 208: Life and Works of Olusegun Obasanjo II (0, C)  
  **Total Units**: 17

### 300 Level – Civil Engineering

#### First Semester

* CVE 301: Structural Mechanics I (2, C)
* CVE 303: Elements of Architecture (2, C)
* CVE 305: Fluid Mechanics I (2, C)
* CVE 307: Civil Engineering Materials (2, C)
* CVE 309: Engineering Surveying I (2, C)
* CVE 311: Engineering Geology (2, C)
* ENG 301: Engineering Mathematics III (3, C)
* CVE 313: Civil Engineering Practice (2, C)
* CVE 315: Laboratory Work I (2, C)
* ICT 323: Python Programming (1, C)
* BUS 311: Analysis Introduction to Entrepreneurial Studies (2, R)  
  **Total Units**: 22

#### Second Semester

* CVE 302: Structural Mechanics II (2, C)
* CVE 304: Fluid Mechanics II (2, C)
* CVE 306: Soil Mechanics I (2, C)
* CVE 308: Design of Structures I (2, C)
* CVE 310: Engineering Surveying II (2, C)
* CVE 312: Elements of Highway Engineering (2, C)
* ENG 302: Engineering Mathematics IV (3, C)
* CVE 314: Laboratory Work II (2, C)
* GES 302: Introduction to Philosophy (2, R)
* ENG 320: Students Industrial Work Experience Scheme I (SIWES I) (2, C)
* ICT 324: Python Programming for Machine Learning I (1, C)  
  **Total Units**: 22

### 400 Level – Civil Engineering

#### First Semester

* CVE 401: Structural Analysis I (2, C)
* CVE 403: Soil Mechanics II (2, C)
* CVE 405: Hydrology & Hydraulics (2, C)
* CVE 407: Design of Structures II (2, C)
* CVE 409: Highway Engineering (2, C)
* ENG 401: Research Methods in Engineering (2, C)
* CVE 411: Water Resources Engineering (2, C)
* CVE 413: Laboratory Work III (2, C)
* CVE 415: Technical Report Writing (2, C)
* ICT 423: Python Programming for Machine Learning 2 (Deep Learning) (1, C)
* BUS 411: Entrepreneurial Skills Development Studies (2, R)  
  **Total Units**: 21

#### Second Semester

* ENG 402: Students Industrial Work Experience (SIWES II) (6, C)  
  **Total Units**: 6

### 500 Level – Civil Engineering

#### First Semester

* CVE 501: Structural Analysis II (2, C)
* CVE 503: Geotechnical Engineering (2, C)
* CVE 505: Water & Wastewater Engineering (2, C)
* CVE 507: Design of Structures III (2, C)
* CVE 509: Transportation Engineering (2, C)
* CVE 511: Construction Engineering (2, C)
* ENG 501: Engineering Economics (2, R)
* MEE 527: Engineering Management (2, R)
* MEE 523: Operations Research (2, R)
* ISO 45001: Foundation and Lead Implementer (Occupational Health and Safety Management System) (1, C)
* ICT 515: ICT 515 Foundation and Lead Implementer (Occupational Health and Safety Management System) (1, C)
* Electives: 2 units (see below)  
  **Total Units**: 20

**Electives (Choose a minimum of 2 units):**

* CVE 513: Advanced Structural Design (2, E)
* CVE 515: Irrigation & Drainage Engineering (2, E)
* CVE 517: Traffic Engineering (2, E)
* CVE 519: Advanced Geotechnical Engineering (2, E)

#### Second Semester

* CVE 502: Foundation Engineering (2, C)
* CVE 504: Environmental Engineering (2, C)
* CVE 506: Design of Structures IV (2, C)
* CVE 508: Students’ Research Project (6, C)
* EEE 512: Engineering Law (2, R)
* ICT 516: Design Thinking (1, C)
* Electives: 4 units (see below)  
  **Total Units**: 19

**Electives (Choose a minimum of 4 units):**

* CVE 510: Bridge Engineering (2, E)
* CVE 512: Coastal Engineering (2, E)
* CVE 514: Advanced Transportation Engineering (2, E)
* CVE 516: Solid Waste Management (2, E)
* BUS 520/MKT 202: Elements of Marketing (2, E)

### Notes:

* **Status Definitions**:
  + **C**: Compulsory (must register and pass).
  + **R**: Required (must take, pass with at least 30% as per departmental rules).
  + **E**: Elective (optional, choose the specified minimum units).