



## **BSc in Electrical Engineering**

A typical program sequence is shown below:

**Faculty:** Engineering

**Minimum Years:** 4 years

**Program Code:** 1023

**Program Structure:**

A typical programme sequence is shown below.

### **YEAR 1**

1. Mathematics
2. Physics
3. Engineering Design
4. Electives Including: Electrical and Telecommunications Engineering
5. Computing 1B

### **YEAR 2**

1. Mathematics
2. Computing 1B or Computing 2
3. Circuits and Signals
4. Digital Circuits Design
5. Electrical and Telecommunications Engineering
6. Analogues Electronics
7. General Education Courses

### **YEAR 3**

1. Electromagnetic Engineering
2. Electronics
3. Digital Signal Processing
4. Electrical Energy
5. Control Systems

6. Electrical Engineering Design
7. Embedded Systems Design
8. General Education Courses

#### **YEAR 4**

1. Electrical Design Proficiency
2. Professional Electives
3. Strategic Leadership and Ethics
4. Thesis