



## ALDERSGATE COLLEGE

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## COLLEGE OF ENGINEERING & TECHNOLOGY

### **Bachelor of Science in Electrical Engineering (BSEE)**

#### **Ladderized Bachelor of Science in Electrical Engineering (Building Wiring Installation NC-II)**

The practice of Civil Engineering shall embrace services such as generation, transmission, distribution and utilization of electricity, design, operation and protection, maintenance and economics of electrical systems.

Specific Professions/ Careers/ Occupations or trades that the graduates may go into:

- Power Engineer- Power System Operation, Power System Protection, Power System Economics, Power Plant
- Design Engineer – Advance Power System, Advance Electrical Designer, Machine Automation and Process Control Designer
- Illumination Engineer
- Entrepreneur
- Sales Engineer
- Distribution Engineer
- Engineering Educator and Researcher
- Instrumentation & Control Engineer
- Safety Engineer
- Maintenance Engineer
- Construction and Project Engineer
- Software Developer
- Electrical Design Inspector

### **Bachelor of Science in Civil Engineering (BSCE)**

The practice of Civil Engineering shall embrace services such as consultation, planning, design, preparation of plans, specifications, estimates, erection, installation, demolition and supervision of construction/demolition of civil engineering structures and facilities including their components, sites and environs such as, but not limited to streets, bridges, highways, and railroads; airports and hangars; port works, canals, river and shore improvements, lighthouses, and dry docks; buildings, towers, signage's, signboards, chimneys, silos containment structures and solid disposal sites; fixed structures for irrigation, flood protection, drainage, water supply and sewerage works; and tunnels.

Specific Professions/ Careers/ Occupations or trades that the graduates may go into:

- Design Engineer
- Water Resources Engineer

- Geotechnical Engineer
- Engineering Educator and Researcher
- Transportation Engineer
- Safety Engineer
- Maintenance Engineer
- Sales Engineer
- Construction & Project Engineer

**Certificate in Electrical Technology (ELT) major in Building Wiring Installation NC-II**

**Certificate in Electronics Technology (ELX) major in Consumer Electronics Servicing NC-II**

The practice of Electrical and Electronics Technology shall embrace services such as building wiring installation, industrial electricity, domestic appliance servicing and consumer electronics servicing respectively.

Specific Careers/ Occupations or trades that the graduates may go into:

- Electrical Technology – Building Wiring Installation
  - Installation and Repair
  - Maintenance Servicing
  - Entrepreneurship/ Sales
  - Drafting of Electrical Plans
  - Construction-Electrical Service
  - Domestic Appliance Service
  
- Electronics Technology
  - Domestic Appliance Service
  - Cellular Phone Servicing
  - Audio-Video Servicing
  - Computer Servicing
  - Maintenance Servicing
  - Entrepreneurship/ Sales
  - Drafting

