

EN8150

## Electrical Utilization



**Course Aim** To demonstrate critical knowledge of theories and practical skills in the area of industrial and commercial electrical installation, reticulation systems and lighting design, adhering to industry standards and regulations.

**Short Title**  
**Faculty** EDICT  
**Credits** 15  
**Pre-requisites** EN7008  
**Co-requisites** None  
**Anti-requisites** None

**Version** 1  
**Effective From** September 1, 2018  
**Indicative NQF Level** 8  
**Student Contact hrs** 60  
**Self-directed hrs** 90  
**Other directed hrs**  
**Total learning hrs** 150

**Learning Outcomes** On successful completion of this course, students will be able to:

- 1 Design safe electrical installations to a client's specification and in accordance with Industry safety standards.
- 2 Design and analyze illumination systems to satisfy the client's specification and in accordance with Industry standards.
- 3 Commission an electrically-safe installation using specialist-level testing skills while satisfying the client's requirements.
- 4 Communicate at a professional standard the proposed solution related to an electrical systems utilization problem.

**NQF Sub-strand**

Practical  
Application of knowledge  
Practical  
Application of knowledge  
Practical  
Application of knowledge  
Communication, ICT, Numeracy