EN8905  Energy, Environment and Sustainability

Course Aim: To provide engineering students with understanding of principles and concepts of earth system, energy systems, end use technologies to meet energy demands in a sustainable manner and in line with energy policy and politics.

Short Title: Energy and Sustainability
Faculty: EDICT
Polytechnic Level: 15
Credits: Minimum of 60 credits at level 7 from the Beng Tech Programme
Pre-requisites:
Co-requisites:
Anti-requisites:

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

1. Demonstrate a critical knowledge and understanding of the principles and concepts underlying earth system, environment and global energy balance.
2. Assess current and potential future energy systems to meet regional and global energy needs in a sustainable manner.
3. Investigate the interaction between environment, energy and policy and debate the contending viewpoints on these issues.

Version 2
Effective From: September 1, 2016
Indicative NQF Level: 8
Student Contact hrs: 60
Self-directed hrs: 90
Other directed hrs: 0
Total learning hrs: 150

Indicative NQF Level: Minimum of 60 credits at level 7 from the Beng Tech Programme

NQF Sub-strand:
- Theoretical Understanding
- Practical Application of knowledge
- Generic, Problem Solving and Analytical Skills