

**APPROVED**

## EN6001: Engineering Computing

### Course Details

Course Code:	EN6001
Course Title:	Engineering Computing <b>APPROVED</b>
Short Title:	
Course Level::	Level 6
Valid From::	2018/2019 Sem 1
Credits::	15
Owner:	Engineering Technology
Assessment Method:	Achievement
Course Aim	To give students a detailed knowledge of structured programming techniques, the C/C++ programming language and to present a detailed application of symbolic language programming techniques as they relate to engineering problem-solving.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Demonstrate a detailed understanding of the general concept of a computer system.
2	Apply basic and some advanced programming skills to create a computer program utilising a modern integrated development environment and conforming to a defined specification.
3	Demonstrate a detailed understanding of structured programming techniques for solving defined engineering problems.
4	Apply basic and some advanced programming skills to design and document a structured C/C++ program using basic concepts of engineering analysis.
Requisites	
<ul style="list-style-type: none"> <li>Pre Requisite: EN6907 (ENB5907)</li> </ul>	

Examinations
<b>Assessment Type</b> Examination (Unseen)
Other Controlled Assessments
<b>Assessment Type</b> Lab Assignment
Uncontrolled Assessments
<b>Assessment Type</b> Practical Project

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ENT7031	Associate Degree in Engineering Technology (Electronics)	2	Programme
ENT7040	Associate Degree in Engineering Technology (Electrical)	1	Programme