

**APPROVED**

## EN6001: Engineering Computing

### Course Details

Course Code:	EN6001
Course Title:	Engineering Computing <b>APPROVED</b>
Short Title:	ENG Computing
Course Level::	Level 6
Valid From::	2022/2023 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 detailed knowledge of the general concept of a computer system.
2	Apply basic and some advanced programming skills to create a computer program utilizing a modern integrated development environment and conforming to a defined specification.
3	Demonstrate detailed knowledge 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>	

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

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ENT6040	Diploma in Engineering Technology (Electrical)	2	Programme
ENT6090	Diploma in Industrial Instrumentation and Automatic Control	1	Programme
ENT7031	Associate Degree in Engineering Technology (Electronics)	2	Programme
ENT7040	Associate Degree in Engineering Technology (Electrical)	1	Programme
ENT7090	AEngTech Industrial Instrumentation and Automatic Control	1	Programme
ENT8031	Bachelor of Engineering Technology (Electronics)	4	Programme
ENT8040	Bachelor of Engineering Technology (Electrical)	2	Programme
ENT8090	Bachelor of Engineering Technology (Industrial Instrumentation and Automatic Control)	1	Programme
No Code Yet	Copy Of Diploma in Engineering Technology (Electrical)	1	Programme