

IT6010: Maths for Computing

Course Details				
Course Code:	IT6010			
Course Title:	Maths for Computing APPROVED			
Short Title:	Maths for Computing			
Course Level::	Level 6			
Valid From::	2022/2023 Sem 1			
Credits::	15			
Owner:	ICT			
Assessment Method:	Achievement			
Course Aim	To develop the ability to apply standard mathematical and statistical techniques which can be used in the ICT sector.			

CILO			
On Completion of this course, the learner will be able to			
#	Learning Outcome Description		
1	Identify and apply a range of statistical measures to defined and undefined ICT scenarios.		
2	Determine and utilize algebraic number theory principles to solve ICT problems.		
3	Use some advanced geometrical methods in simulation applications		
4	Solve advanced cryptography related problems which are linked to information security		

Requisites No requisites

Examinations Assessment Type Examination (Unseen) Assessment Type Examination (Unseen)

No Other Controlled Assessments

Uncontrolled Assessments

Assessment Type Practical Project

Display Selection of Information and Communications 1 Pogramme	Affiliated Entities						
Technicary (Programming Major) Branchicar of Information and Communications Programme	Entity Code	Entity Title	Entity Version	Entity Type			
Technology (Programming Major) Br-8500 Bachelor of Films Afrantison Br-8501 Bachelor of Films and Amenton Br-8502 Bachelor of Films and Amenton Br-8502 Bachelor of Amenton and Visual Effecte Br 1910 Bachelor of Socreto in Films and Enchology Br-8500 Bachelor of Visual Design Br-8500 Bachelor of Films and Visual Design Br-85000 Bachelor of Films and Visual Br-95000 Bachelor of Films and Visual Br-950000 Bachelor of Films and Visual Br-9500000 Bachelor of Films and Visual Br-9500000 Bachelor of Films and Visual Br-95000000000000000000000000000000000000	ICT8011		1	Programme			
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BETEIN Beacher of Work Metals Beacher of Engineering Technology (Metalson) Beacher of Engineering Technology (Electronia) B	BFA8801	Bachelor of Filmmaking	1	Programme			
Bashelor of Vision Media Bashelor of Vision Media Bashelor of Engineering Technology 3 Programme	BFA8802	Bachelor of Animation and Visual Effects	1	Programme			
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Chemical and Industrial Processes Engineering 2	ENT8060		2	Programme			
Bachelor of Engineering Technology (Industrial Instrumentation and Automatic Control) Diploma in Information and Communications 1 Programme 1CF0625 Diploma in Cloud Computing 1 Programme 1CF0645 Diploma in Web Development 1 Programme 1CF7011 Associate Degree in Information and Communications 1 Programme 1	ENT8070	(Chemical and Industrial Processes	1	Programme			
(Industrial Instrumentation and Autómatic Control)	ENT8080	Bachelor of Engineering Technology (Civil)	1	Programme			
Technology Diploma in Cloud Computing 1 Programme	ENT8090	(Industrial Instrumentation and Automatic	1	Programme			
Diploma in Web Development	ICT6010		4	Programme			
Associate Degree in Information and Communications Technology (Programming Major) Programme	ICT6025	Diploma in Cloud Computing	1	Programme			
Communications Technology (Programming Major)	ICT6045	Diploma in Web Development	1	Programme			
Communications Technology (Information Systems) CICT7041 Cassociate Degree in Information and Communications Technology (Options Technology (Opt	ICT7011	Communications Technology (Programming	1	Programme			
Communications Technology (Database Systems Major) ICT7051 Associate Degree in Information and Communications Technology (Cyber Security) ICT8010 Bachelor of Information and Communications Technology (Programming Major) ICT8020 Bachelor of Information and Communications Technology (Management Information and Communications Systems Major) ICT8021 Bachelor of Information and Communications Technology (Information Systems Major) ICT8022 Bachelor of Information and Communications Technology (Information Systems Major) ICT8030 Bachelor of Information Communications Technology (Information Systems Major) ICT8030 Bachelor of Information and Communications Technology (Networking Major) ICT8031 Bachelor of Information and Communications Technology (Networking Major) ICT8031 Bachelor of Information and Communications Technology (Networking Major) ICT8040 Bachelor of Information and Communications Technology (Networking Major) ICT8040 Bachelor of Information and Communications Technology (Database Systems Major) ICT8041 Bachelor of Information and Communications Technology (Database Systems Major) ICT8040 Bachelor of Information and Communications Technology (Database Systems Major) ICT8041 Bachelor of Information and Communications Technology (Opter Security Major) ICT8050 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communic	ICT7022	Communications Technology (Information	1	Programme			
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Technology (Management Information Systems Major) Programme	ICT8010		2	Programme			
Technology (Information Systems Major) ICT8022 Bachelor of Information and Communications Technology (Information Systems Major) ICT8030 Bachelor of Information and Communications Technology (Networking Major) ICT8031 Bachelor of Information and Communications Technology (Networking Major) ICT8031 Bachelor of Information and Communications Technology (Networking Major) ICT8040 Bachelor of Information and Communications Technology (Database Systems Major) ICT8041 Bachelor of Information and Communications Technology (Database Systems Major) ICT8050 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communications Technology (Cyber Security Major) ICT8050 MInor in Data Mining No Code Yet Copy Of Bachelor of Information and Communications Technology (Cyber Security Major) No Code Yet Lets Bachelor of Information and Communications Technology (Cyber Security Major) Programme Programme Programme Programme	ICT8020	Technology (Management Information	2	Programme			
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Technology (Cyber Security Major) ICT8051 Bachelor of Information and Communications Technology (Cyber Security Major) MDM8040 Minor in Data Mining 1 Programme Copy Of Bachelor of Information and Communications Technology (Cyber Security Major) No Code Yet Lest Bachelor of Information and Communications Technology Technology 1 Programme 1 Programme	ICT8041		1	Programme			
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No Code Yet Copy Of Bachelor of Information and Communications Technology (Cyber Security Major) No Code Yet test Bachelor of Information and Communications Technology 1 Programme	ICT8051		2	Programme			
Communications Technology (Cyber Security Major) No Code Yet test Bachelor of Information and Communications Technology 1 Programme	MDM8040	Minor in Data Mining	1	Programme			
Communications Technology	No Code Yet	Communications Technology (Cyber Security	1	Programme			
NEDICTE Non-EDICT Electives 1 Group	No Code Yet	test Bachelor of Information and Communications Technology	1	Programme			
	NEDICTE	Non-EDICT Electives	1	Group			