Sequencing for Bachelor of Information Technology (BIT)

BIT UNITS' YEARLY PLANNER

Unit Type	Unit Code	Unit of Study	Offering on
CORE	ICT101	Introduction to Information Technology	Trimester 1 Trimester 2
CORE	ICT102	Foundations of Computer Programming	Trimester 1 Trimester 2 Trimester 3
CORE	ICT103	Computer Security and Network Fundamentals	Trimester 1 Trimester 2
CORE	ICT104	Introduction to Database Design and Management	Trimester 2 Trimester 3
CORE	ICT105	IT Project Management	Trimester 1 Trimester 2
CORE	ICT106	Ethics and Professional Practice in IT	Trimester 2 Trimester 3
CORE	ICT107	Mobile and Web Development (Pre-req. ICT102)	Trimester 1 Trimester 2 Trimester 3
CORE	ICT108	Artificial Intelligence for Engineer	Trimester 1 Trimester 2
CORE	BUS101	Communication for Change	Trimester 2 Trimester 3
CORE	BUS112	Business Information Systems	Trimester 2 Trimester 3
CORE	BUS213	Research Methods	Trimester 2 Trimester 3
CORE	ENT202	Leadership and Teamwork	Trimester 2 Trimester 3
MAJOR	ICT201	Foundations of Cyber Security	Trimester 1 Trimester 2
MAJOR	ICT202	Data Privacy and Information Security (Pre-req. ICT103)	Trimester 1 Trimester 2 Trimester 3
MAJOR	ICT203	Wireless Networks and Security (Pre-req. ICT103)	Trimester 1 Trimester 2
MAJOR	ICT301	Cybercrime (Pre-req. ICT202)	Trimester 1 Trimester 2
MAJOR	ICT302	Digital Forensics	Trimester 1 Trimester 2

			Trimester 3
MAJOR	ICT303	Advanced Security Operations and Vulnerability Analysis (Pre-req. ICT202 and ICT302)	Trimester 1
			Trimester 2
			Trimester 3
MAJOR	ICT310	Cyber Security Management in Practice–I (Capstone 1) (Pre-req. ICT303)	Trimester 1
			Trimester 2
			Trimester 3
MAJOR	ICT311	Cyber Security Management in Practice–II (Capstone 2) (Pre-req. ICT310)	Trimester 1
			Trimester 2
			Trimester 3
ELECTIVE	BUS214	Business Statistics	Trimester 2
			Trimester 3
ELECTIVE	ICT206	Cloud Computing and Business Systems	Trimester 2
			Trimester 3
ELECTIVE	ICT305	Systems Analytics and Business Intelligence	Trimester 1
			Trimester 2
			Trimester 3
ELECTIVE	ICT204	Advanced Database Systems (Pre-req. ICT104)	Trimester 1
			Trimester 2

RECOMMENDED UNITS OF STUDY PER TERM

	Commencing on Trimester 1 of the Year	Commencing on Trimester 2 of the Year	Commencing on Trimester 3 of the Year
1st Trimester for the student	ICT101 Introduction to Information Technology	ICT101 Introduction to Information Technology	ICT104 Introduction to Database Design and Management
	ICT102 Foundations of Computer Programming	ICT102 Foundations of Computer Programming	Elective 1 (BUS214 Business Statistics)
	ICT103 Computer Security and Network Fundamentals	ICT103 Computer Security and Network Fundamentals	ICT102 Foundations of Computer Programming
	ICT105 IT Project Management	ICT105 IT Project Management	BUS112 Business Information Systems
2nd Trimester for the student	ICT104 Introduction to Database Design and Management	ICT104 Introduction to Database Design and Management	ICT101 Introduction to Information Technology
	Elective 1 (BUS214 Business Statistics)	Elective 1 (BUS214 Business Statistics)	ICT107 Mobile and Web development (Pre-req. ICT102)

	ICT107 Mobile and Web development (Pre-req. ICT102)	ICT107 Mobile and Web development (Pre-req. ICT102)	ICT103 Computer Security and Network Fundamentals
	BUS112 Business Information Systems	BUS112 Business Information Systems	ICT105 IT Project Management
3rd Trimester for the student	ICT108 Artificial Intelligence for Engineer	ICT108 Artificial Intelligence for Engineer	Elective 2 (ICT206 Cloud Computing and Business Systems)
	ICT201 Foundations of Cyber Security	ICT201 Foundations of Cyber Security	BUS213 Research Methods
	ICT202 Data Privacy and Information Security (Pre-req. ICT103)	ICT202 Data Privacy and Information Security (Pre-req. ICT103)	ICT202 Data Privacy and Information Security (Pre-req. ICT103)
	ICT302 Digital Forensics	ICT302 Digital Forensics	ICT302 Digital Forensics
4th Trimester for the student	Elective 2 (ICT206 Cloud Computing and Business Systems)	Elective 2 (ICT206 Cloud Computing and Business Systems)	ICT108 Artificial Intelligence for Engineer
	BUS213 Research Methods	BUS213 Research Methods	ICT201 Foundations of Cyber Security
	Elective 3 (ICT305 Systems Analytics and Business Intelligence)	Elective 3 (ICT305 Systems Analytics and Business Intelligence)	Elective 3 (ICT305 Systems Analytics and Business Intelligence)
	ICT303 Advanced Security Operations and Vulnerability Analysis (Pre-req. - ICT202 and ICT302)	ICT303 Advanced Security Operations and Vulnerability Analysis (Pre-req. - ICT202 and ICT302)	ICT303 Advanced Security Operations and Vulnerability Analysis (Pre-req. - ICT202 and ICT302)
5th Trimester for the student	ICT203 Wireless Networks and Security (Pre-req. ICT103)	ICT203 Wireless Networks and Security (Pre-req. ICT103)	ENT202 Leadership and Teamwork
	ICT301 Cybercrime (Pre-req. ICT202)	ICT301 Cybercrime (Pre-req. ICT202) (Pre-req. ICT202)	ICT106 Ethics and Professional Practice in IT
	Elective 4 (ICT204 Advanced Database Systems (Pre-req. ICT104))	Elective 4 (ICT204 Advanced Database Systems (Pre-req. ICT104))	BUS101 Communication for Change
	ICT310 Cyber Security Management in Practice–I (Capstone1) (Pre-req. ICT303)	ICT310 Cyber Security Management in Practice–I (Capstone1) (Pre-req. ICT303)	ICT310 Cyber Security Management in Practice–I (Capstone1) (Pre-req. ICT303)
6th Trimester for the student	ENT202 Leadership and Teamwork	ENT202 Leadership and Teamwork	ICT203 Wireless Networks and Security (Pre-req. ICT103)
	ICT106 Ethics and Professional Practice in IT	ICT106 Ethics and Professional Practice in IT	ICT301 Cybercrime (Pre-req. ICT202)
	BUS101 Communication for Change	BUS101 Communication for Change	Elective 4 (ICT204 Advanced Database Systems (Pre-req. ICT104)
	ICT311 Cyber Security Management in Practice–II (Capstone2) (Pre-req. ICT310)	ICT311 Cyber Security Management in Practice–II (Capstone2) (Pre-req. ICT310)	ICT311 Cyber Security Management in Practice–II (Capstone2) (Pre-req. ICT310)