

Course structure

Level 1 semester I

Module code	Module name	Credits		Complementary Studies	Credits	
BST1112	Information Technology I	2	T+P	ENG1112: English I (teaching – 2-hours per week)	2	T
TMS1173	Basic Mathematics	3	T	TCS 1112 Active citizenship	2	P
BST1133	Biology I	3	T+P			
BST1143	Ecology	3	T+P			
BST1152	Basic Biochemistry	2	T+P			
BST1162	Analytical Chemistry	2	T+P			

Level I semester 2

Module code	Module name	Credits		Complementary Studies	Credits	
BST1212	Information Technology II	2	T+P	*ENG1212: English II (teaching 2-hours per week)	2	T
BST1222	Electronics for Biosystems Technology	2	T+P	TCS 1222 Fundamentals of management	2	T
BST1232	Organic Chemistry	2	T+P			
BST1242	Introduction to Environmental Science	2	T+P			
BST1253	Biology II	3	T+P			
BST1262	Introduction to Fisheries Biology	2	T+P			
BST1272	Fundamentals in Agriculture	2	T+P			

Level II semester 1

Module code	Module name	Credits		Complementary Studies	Credits	
BST2112	Application of Biosystems Technology	2	T+P	TCS2112: Business economics	2	T
BST2123	Engineering Properties of Biomaterials	3	T+P	TCS2222 Entrepreneurship, Export and International Trade	2	T
BST2132	Bioenergy Systems	2	T+P	ENG2112: English III (teaching 2-hours per week)	2	T
BST3143	Bio processes technology I	3	T+P			
BST2152	Physics for biosystems Technology	2	T+P			

Level II semester 2

Module code	Description	Credits		Complementary Studies	Credits	
BST2212	Conservation technologies	2	T+P	TCS2212: Accounting for technologist	2	T
BST2222	Geographic information management in Biosystems	2	T+P	ENG2212: English IV (teaching 2-hours per week)	2	T
BST2232	Indigenous knowledge in Biosystems management	2	T+P			
BST2242	Nanobiotechnology	2	T+P			
BST2253	Gene technology	3	T+P			
BST2262	Statistical applications in biosystems technology	2	T+P			
BST2272	Bio Processes technology II	2	T+P			

In Level III:

Students can select either

(A) Food, Fisheries and Agriculture Technology Stream or

(B) Natural Resources and Environmental Technology Stream

Level 3 semester I

Stream A: Food, Fisheries and Agriculture Technology Stream

Module code	Description	Credits		Common subject		Credits		Complementary Studies	Credits	
BSTF3113	Technological Perspectives of Food Preservation, Processing.	3	T+P	BST3112	Tissue Culture Technology	2	T+P	TCS 3142 Quality Management	2	T
BSTF3123	Food Analyses, Safety and Hygiene	3	T+P					TCS3131: Human resources Management	1	T
BSTF3133	Fisheries and Aquaculture technology	3	T+P					TCS3111: Safety and risk management	1	T
BSTF3143	Horticulture Technology	3	T+P					TCS3111 Ethics for Technologist	1	T

Stream B: Natural Resources and Environmental Technology Stream

Module code	Description	Credits		Common subjects				Complementary Studies	Credits	
				Module code	Description	Credits				
BSTE3113	Soil Resources Management & Technology	3	T+P	BST3112	Tissue Culture Technology	2	T+P	TCS3111 Ethics for Technologist	1	T
BSTE3123	Landscape Design and Construction	3	T+P					TCS3121: Safety and risk management	1	T
BSTE3132	Built Environment Design	2	T+P							
BSTE3142	Field Methods in Hydrogeology	2	T+P					TCS3131: Human resources Management	1	T
BSTE3152	Ecotourism Management	2	T+P					TCS 3142 Quality Management	2	T

Level 3 Semester II

Stream A: Food, Fisheries and Agriculture Technology Stream

Module code	Description	Credits		Common subjects		Credits		Complementary Studies	Credits	
BSTF3214	Crop and Livestock Production technology	4	T+P	BST3213	Environmental Monitoring and Waste Management	3	T+P	TCS3212: Operation management for technologist	2	T
BSTF3222	Pest Controlling Technology	2	T+P	BST3222	Biomedical Technology	2	T+P			
BSTF3233	Postharvest management and packaging Technology	3	T+P							
BSTF3243	Farm power, Machinery and mechanization	3	T+P							

Stream B: Natural Resources and Environmental Technology Stream

Module code	Description	Credits		common subjects		Credits		Complementary Studies	Credits	
BSTE 3212	Water Technology	2	T + P	BST3113	Environmental Monitoring and Waste Management	3	T + P	TCS3212: Operation management for technology st	2	T
BSTE 3223	Forest Resources and Wood Science	3	T + P	BST 3222	Biomedical Technology	2	T + P			
BSTE 3233	Natural Products Development Technology	3	T + P							
BSTE 3242	Weather Forecasting Technology	2	T + P							
BSTE 3252	Marine resources and technology	2	T + P							

Level 4 Semester I

Module code	Description	Credits		Complementary Studies	Credits
BST4116	*Industrial Training	6	P		
BST4110	Design Project/ Research Project (Shall be completed in level 4 to sem II)	0			

Level 4 Semester II

Module code	Description	Credits		Complementary Studies	Credits
BST4216	Design Project/ Research Project (Shall be completed in level iv)	6	P	TCS4211: Communication for technologist	1
				TCS4221: Industrial sociology	1