

AGRICULTURE AND ENVIRONMENT TECHNOLOGY

Bachelor of Biosystems Technology (BBST) Degree Program

Curriculum for Agriculture and Environment Technology (AET) under BBST

Semester 1

Module Code	Module Title	Credits	
		GPA	NGPA
FOT 11301	Mathematics (I)	3	
FOT 11302	Physics for Technology	3	
FOT 11303	Chemistry for Technology	3	
FOT 11204	Engineering Drawing	2	
FOT 11205	Principles of Statistics	2	
FOT 10201	Computing for Technology*		2
FOT 10202	Communication skills (I)/English*		2
FOT 10103	Ethical Conduct of Learners*		1
	Total for the semester	13	5

Semester 2

Module Code	Module Title	Credits	
		GPA	NGPA
FOT 21201	Mathematics (II)	2	
FOT 21205	Statistical Methods	2	
FOT 21206	Introduction to Computer Programming	2	
FOT 21207	Principles of Management	2	
FOT 21208	Principles of Quality Management	2	
BST 21201	Principles of Design and Manufacturing	2	
BST 21202	Principles of Microbiology	2	
FOT 20202	Communication skills (II)/English*		2
FOT 20104	Personality Development*		1
	Total for the semester	14	3

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Semester 3

Module Code	Module Title	Credits	
		GPA	NGPA
BST 31251	Principles of Biology and Biotechnology	2	
BST 31252	Soilless cultivation Technology	2	
BST 31253	Sustainable Soil and Irrigation Systems	2	
BST 31254	Agricultural Development and Policy	2	
BST 31255	Composting Technology	2	
BST 31356	Farm Machinery, Structures and automation	3	
BST 31257	Plantation Crop Management	2	
BST 31268	Technology Practicals (I)	2	
BST 31269	Technology workshop (I)	2	
	Total for the semester	19	

Semester 4

Module Code	Module Title	Credits	
		GPA	NGPA
FOT 41209	Financial Management	2	
EGT 41202	Principles of Environmental Science	2	
BST 41251	Green Technologies for Sustainable Agriculture	2	
BST 41352	Surveying and Landscaping	3	
BST 41253	Post-Harvest Technology	2	
BST 41254	Phytotechnology and its Applications	2	
BST 41255	Urban Agricultural Technology	2	
BST 41268	Technology Practicals (II)	2	
BST 41269	Technology workshop (II)	2	
	Total for the semester	19	

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Semester 5

Module Code	Module Title	Credits	
		GPA	NGPA
FOT 51110	Research Methodology	1	
BST 51251	Meteorology and Applied Hydrology	2	
BST 51252	Organic Agricultural Product Processing Technology	2	
EGT 51153	Introduction to Environmental Pollution	1	
EGT 51255	Sustainable and Renewable Energy	2	
BST 51153	Environment Extremophiles and its Applications	1	
BST 51254	Protected Crop Production	2	
BST 51255	Water Quality Management	2	
BST 51156	Integrated Pest Management	1	
BST 51157	Environment Ecology	1	
BST 51268	Technology Practicals (III)	2	
BST 51269	Technology Workshop (III)	2	
FOT 50105	Professional Ethics		1
FOT 50106	Occupational Health and Safety*		1
	Total for the semester	19	2

Semester 6

Module Code	Module Title	Credits	
		GPA	NGPA
BST 61251	Precision Agriculture Technology	2	
BST 61252	Environmental Footprint Assessment	2	
BST 61253	Indigenous Knowledge Systems in Agriculture	2	
BST 61254	Water Resource Management	2	
BST 61155	Seminar on Special Topics	1	
BST 61216	Economics for Technology	2	
BST 61256	Waste Management, Bio Fuel Processing and Renewable Energy Technology	2	
BST 61257	Animal Feed and Product Technology	2	
BST 61268	Technology Practicals (IV)	2	
BST 61269	Technology Workshop (IV)	2	
	Total for the semester	19	

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Semester 7

Module Code	Module Title	Credits	
		GPA	NGPA
BST 71698	Industrial Training / Internship	6	
BST 91699	Research Project		
	Total for the semester	6	

Semester 8

Module Code	Module Title	Credits	
		GPA	NGPA
BST 81101	Career Development for an Employable Graduate	1	
BST 81251	Advanced Topics in Bioprocess Technology	2	
BST 81252	Application of Nanotechnology for Agriculture and Environment	2	
BST 81699	Research Project Contd.*	6	
	Total for the Semester	11	