

B.Tech. in Agriculture Engineering

1st Year

Elements of Civil Engineering	Environmental Studies
Fundamentals of Electrical Engineering	Mechanics of Solids
Elements of Mechanical Engineering	Fundamentals of Programming
Mathematics-1	Engineering Graphics
Physics	Workshop - Mechanical
Communication Skills-1	Mathematics-2
	Communication Skills-2

2nd Year

Thermodynamics and Heat Engines	Soil mechanics
Agriculture for Engineers	Farm Machinery & Equipment-II
Applied Electronics and Instrumentation	Farm Power
Farm Machinery and Equipment - I	Watershed Hydrology
Fluid Mechanics for Agricultural Engineers	Engineering Properties of Biological Material
Mathematics-3	Field operation and Maintenance of Tractor
Professional Communication and Life Skills	Database Management & Internet Applications
Professional Communication and Critical Thinking	Agribusiness Management and Trade

3rd Year

Theory of Machines	Refrigeration and Air Conditioning
Machine Design for Agricultural Engineers	Drainage Engineering
Renewable Energy Sources	Soil & Water Conservation structures
Irrigation Engineering	Agricultural Structures and Environmental Control
Crop process Engineering	Ground Water Wells and Pump
Soil and Water Conservation Engineering	Drying and Storage Engineering
Electrical Machines and Power Utilization	Heat and Mass transfer
Aptitude enhancement and professional ethics in engineering-I	Aptitude enhancement and professional ethics in engineering-II

	Inplant Training

4th Year

Renewable Energy Technology	Food Processing Plant Design & Layout
Dairy and Food Engineering	Micro Irrigation Systems Design
Tractor Systems and Controls	Watershed Planning and Management
Food Packaging Technology	Minor Irrigation & Command Area Development
Design & Maintenance of Green House	Environmental Engg.
Waste and By-product Utilization	
Development of Processed Products & Equipments	Gulley & Ravine Control Structures
Remote Sensing & GIS Applications	Reservoir & Farm Pond Design
Tractor Design & Testing	Hydraulic Drive & Controls
Farm Power & Machinery Management	Human Engg. & Safety
Biomass Management for Fodder & Energy	Mechanics of Tillage and Traction
Production Technology of Agril. Machinery	Project