

B.Tech in Agriculture Engineering

SUBJECT CODE	SUBJECT NAME	L	T	P	C	Sem	TH MAX	TH MIN	MS MAX	MS MIN	TQ MAX	TQ MIN	PR MAX	PR MIN	LW MAX	LW MIN	LQ MAX	LQ MIN	TOTAL
BTAG0101-T	Engineering Mathematics-I	2	1	0	3	01	70	22	20	8	10	4							100
BTAG0102-T	Engineering Physics	2	0	0	2	01	70	22	20	8	10	4							100
BTAG0103-T	Engineering Chemistry	2	0	0	2	01	70	22	20	8	10	4							100
BTAG0104-T	Workshop Practice & Technology	1	0	0	1	01	70	22	20	8	10	4							100
BTAG0105-T	Surveying and Leveling	2	0	0	2	01	70	22	20	8	10	4							100
BTAG0106-T	Environmental Science	2	1	0	3	01	70	22	20	8	10	4							100
BTAG0107-T	Agriculture for Engineers	2	0	0	2	01	70	22	20	8	10	4							100
BTAG0108-T	English Language-I	2	0	0	2	01	70	22	20	8	10	4							100
BTAG0102-P	Engineering Physics Lab	0	0	2	1	01							30	12	10	4	10	4	50
BTAG0103-P	Engineering Chemistry Lab	0	0	2	1	01							30	12	10	4	10	4	50
BTAG0104-P	Workshop Practice & Technology Lab	0	0	4	2	01							30	12	10	4	10	4	50
BTAG0105-P	Surveying and Leveling Lab	0	0	2	1	01							30	12	10	4	10	4	50
BTAG0107-P	Agriculture for Engineers Lab	0	0	4	2	01							30	12	10	4	10	4	50
BTAG0109-P	Engineering Drawing Lab	0	0	2	1	01							30	12	10	4	10	4	50
TOTAL		15	2	16	25		560		160		80		180		60		60		1100

BTAG0201-T	Engineering Mathematics-II	2	1	0	3	02	70	22	20	8	10	4							100
BTAG0202-T	Computers Programming and Data Structures	1	0	0	1	02	70	22	20	8	10	4							100
BTAG0203-T	Applied Electronics and Instrumentation	2	0	0	2	02	70	22	20	8	10	4							100
BTAG0204-T	Electrical Circuits	2	0	0	2	02	70	22	20	8	10	4							100
BTAG0205-T	Thermodynamics and Heat Engines	2	1	0	3	02	70	22	20	8	10	4							100
BTAG0206-T	Engineering Mechanics	2	0	0	2	02	70	22	20	8	10	4							100
BTAG0207-T	English Language-II	2	0	0	2	02	70	22	20	8	10	4							100
BTAG0202-P	Computers Programming and Data Structures Lab	0	0	4	2	02							30	12	10	4	10	4	50
BTAG0203-P	Applied Electronics and Instrumentation Lab	0	0	2	1	02							30	12	10	4	10	4	50
BTAG0204-P	Electrical Circuits Lab	0	0	2	1	02							30	12	10	4	10	4	50
BTAG0205-P	Thermodynamics and Heat Engines Lab	0	0	2	1	02							30	12	10	4	10	4	50
BTAG0206-P	Engineering Mechanics Lab	0	0	2	1	02							30	12	10	4	10	4	50
BTAG0207-P	Operation & Maintenance of Tractor and Farm Machinery Lab	0	0	2	1	02							30	12	10	4	10	4	50
TOTAL		13	2	14	22		490		140		70		180		60		60		1000

BTAG0301-T	Engineering Mathematics-III	2	1	0	3	03	70	22	20	8	10	4							100
BTAG0302-T	Soil Mechanics	2	0	0	2	03	70	22	20	8	10	4							100
BTAG0303-T	Strength of Materials	2	0	0	2	03	70	22	20	8	10	4							100
BTAG0304-T	Farm Machinery and Equipment-I	2	0	0	2	03	70	22	20	8	10	4							100
BTAG0305-T	Farm Power	2	0	0	2	03	70	22	20	8	10	4							100

BTAG0306-T	Fluid Mechanics	2	0	0	2	03	70	22	20	8	10	4							100
BTAG0307-T	Engg. Properties of Biological Materials and Food Quality	2	0	0	2	03	70	22	20	8	10	4							100
BTAG0308-T	Heat and Mass Transfer	2	1	0	3	03	70	22	20	8	10	4							100
BTAG0302-P	Soil Mechanics Lab	0	0	2	1	03							30	12	10	4	10	4	50
BTAG0303-P	Strength of Materials Lab	0	0	2	1	03							30	12	10	4	10	4	50
BTAG0304-P	Farm Machinery and Equipment-I Lab	0	0	2	1	03							30	12	10	4	10	4	50
BTAG0305-P	Farm Power Lab	0	0	2	1	03							30	12	10	4	10	4	50
BTAG0306-P	Fluid Mechanics Lab	0	0	2	1	03							30	12	10	4	10	4	50
BTAG0307-P	Engg. Properties of Biological Materials and Food Quality Lab	0	0	2	1	03							30	12	10	4	10	4	50
TOTAL		16	2	12	24		560			160		80		180		60		60	1100

BTAG0401-T	Farm Machinery and Equipment-II	2	0	0	2	04	70	22	20	8	10	4							100
BTAG0402-T	Renewable Energy Sources	2	0	0	2	04	70	22	20	8	10	4							100
BTAG0403-T	Irrigation Engineering	2	1	0	3	04	70	22	20	8	10	4							100
BTAG0404-T	Crop Process Engineering	2	0	0	2	04	70	22	20	8	10	4							100
BTAG0405-T	Engineering Hydrology	2	0	0	2	04	70	22	20	8	10	4							100
BTAG0406-T	Theory of Machines	2	0	2	2	04	70	22	20	8	10	4							100
BTAG0407-T	Agribusiness Management and Trade	3	0	2	3	04	70	22	20	8	10	4							100
BTAG0408-T	Agricultural Statistics	2	0	2	2	04	70	22	20	8	10	4							100
BTAG0401-P	Farm Machinery and Equipment-II Lab	0	0	2	1	04							30	12	10	4	10	4	50
BTAG0402-P	Renewable Energy Sources Lab	0	0	2	1	04							30	12	10	4	10	4	50
BTAG0403-P	Irrigation Engineering Lab	0	0	2	1	04							30	12	10	4	10	4	50
BTAG0404-P	Crop Process Engineering Lab	0	0	2	1	04							30	12	10	4	10	4	50
BTAG0405-P	Engineering Hydrology Lab	0	0	2	1	04							30	12	10	4	10	4	50
BTAG0406-P	Theory of Machines Lab	0	0	2	1	04							30	12	10	4	10	4	50
TOTAL		17	1	18	24		560			160		80		180		60		60	1100

BTAG0501-T	CAD / CAM Machine Drawing and Computer Graphics	1	0	0	1	05	70	22	20	8	10	4							100
BTAG0502-T	Machine Design	2	0	0	2	05	70	22	20	8	10	4							100
BTAG0503-T	Dairy and Food Engineering	2	0	0	2	05	70	22	20	8	10	4							100
BTAG0504-T	Tractor Systems and Controls	1	0	0	1	05	70	22	20	8	10	4							100
BTAG0505-T	Electrical Machines and Power Utilization	2	0	0	2	05	70	22	20	8	10	4							100
BTAG0506-T	Soil and Water Conservation Engineering	2	0	0	2	05	70	22	20	8	10	4							100
BTAG0507-T	Drainage Engineering	2	0	0	2	05	70	22	20	8	10	4							100
BTAG0501-P	CAD / CAM Machine Drawing and Computer Graphics Lab	0	0	4	2	05							30	12	10	4	10	4	50
BTAG0502-P	Machine Design Lab	0	0	2	1	05							30	12	10	4	10	4	50
BTAG0503-P	Dairy and Food Engineering Lab	0	0	2	1	05							30	12	10	4	10	4	50
BTAG0504-P	Tractor Systems and Controls Lab	0	0	4	2	05							30	12	10	4	10	4	50

BTAG0505-P	Electrical Machines and Power Utilization Lab	0	0	2	1	05							30	12	10	4	10	4	50
BTAG0506-P	Soil and Water Conservation Engineering Lab	0	0	2	1	05							30	12	10	4	10	4	50
BTAG0507-P	Drainage Engineering Lab	0	0	2	1	05							30	12	10	4	10	4	50
BTAG0508-P	Database Management and Internet Applications Lab	0	0	2	1	05							30	12	10	4	10	4	50
TOTAL		12	0	18	22		490		140		70		240		80		80		1100

BTAG0601-T	Agricultural Structures and Environmental Control	2	0	0	2	06	70	22	20	8	10	4							100
BTAG0602-T	Drying and Storage Engineering	2	1	0	3	06	70	22	20	8	10	4							100
BTAG0603-T	Design of Structures	2	0	0	2	06	70	22	20	8	10	4							100
BTAG0604-T	Groundwater, Wells and Pumps	2	0	0	2	06	70	22	20	8	10	4							100
BTAG0605-T	Soil and Water Conservation Structures	2	0	0	2	06	70	22	20	8	10	4							100
BTAG0606-T	Refrigeration and Air Conditioning	2	0	0	2	06	70	22	20	8	10	4							100
BTAG0607-T	Entrepreneur. Develop. & Technical Report Writing	2	0	0	2	06	70	22	20	8	10	4							100
BTAG0608-T	Micro Irrigation System Deign	2	0	0	2	06	70	22	20	8	10	4							100
BTAG0601-P	Agricultural Structures and Environmental Control Lab	0	0	2	1	06							30	12	10	4	10	4	50
BTAG0602-P	Drying and Storage Engineering Lab	0	0	2	1	06							30	12	10	4	10	4	50
BTAG0603-P	Design of Structures Lab	0	0	2	1	06							30	12	10	4	10	4	50
BTAG0604-P	Groundwater, Wells and Pumps Lab	0	0	2	1	06							30	12	10	4	10	4	50
BTAG0605-P	Soil and Water Conservation Structures Lab	0	0	2	1	06							30	12	10	4	10	4	50
BTAG0606-P	Refrigeration and Air Conditioning Lab	0	0	2	1	06							30	12	10	4	10	4	50
BTAG0608-P	Micro Irrigation System Deign Lab	0	0	2	1	06							30	12	10	4	10	4	50
TOTAL		16	1	14	24		560		160		80		180		60		60		1100

BTAG0701-T	Watershed Management	2	0	0	2	07	70	22	20	8	10	4							100
BTAG0702-T	Remote Sensing & GIS Applications	2	0	0	2	07	70	22	20	8	10	4							100
BTAG0703-T	System Engineering (Operation Research)	2	1	0	3	07	70	22	20	8	10	4							100
BTAG0704-T	Food Packaging Technology	1	0	0	1	07	70	22	20	8	10	4							100
BTAG0705(B)-T	Water Harvesting & Ground Water Recharge	3	0	0	3	07	70	22	20	8	10	4							100
BTAG0701-P	Watershed Management Lab	0	0	2	1	07							30	12	10	4	10	4	50
BTAG0702-P	Remote Sensing & GIS Applications Lab	0	0	2	1	07							30	12	10	4	10	4	50
BTAG0704-P	Food Packaging Technology Lab	0	0	2	1	07							30	12	10	4	10	4	50
BTAG0706-P	Seminar	0	0	2	1	07							30	12	10	4	10	4	50
BTAG0707-P	Minor Project	0	0	8	4	07							60	24	20	8	20	8	100
TOTAL		10	1	16	19		350		100		50		180		60		60		800

BTAG0801-T	Minor Irrigation and Command Area Development	2	0	0	2	08	70	22	20	8	10	4							100
BTAG0802-T	Food Process Plant Design & Layout	2	0	0	2	08	70	22	20	8	10	4							100
BTAG0803-T	Mechanics of Tillage and Traction	2	0	0	2	08	70	22	20	8	10	4							100

BTAG0804(A)-T	Manufacturing Process of Agricultural Machinery	3	0	0	3	08	70	22	20	8	10	4							100
BTAG0801-P	Minor Irrigation and Command Area Development Lab	0	0	2	1	08							30	12	10	4	10	4	50
BTAG0802-P	Food Process Plant Design & Layout Lab	0	0	2	1	08							30	12	10	4	10	4	50
BTAG0803-P	Mechanics of Tillage and Traction Lab	0	0	2	1	08							30	12	10	4	10	4	50
BTAG0805-P	Seminar	0	0	2	1	08							30	12	10	4	10	4	50
BTAG0806-P	Major Project	0	0	16	8	08							120	48	40	16	40	16	200
TOTAL		9	0	24	21		280		80		40		240		80		80		800