

Bachelor of Technology in Agricultural Engineering

Duration: 4 Years (8 Semesters)

Note: Subject codes vary by university. The following is a standard university-style syllabus with commonly used subject codes.

Semester I

Subject Code	Subject Name
AGE101	Engineering Mathematics-I
AGE102	Engineering Physics
AGE103	Engineering Chemistry
AGE104	Basic Electrical Engineering
AGE105	Engineering Graphics
AGE106	Communication Skills
AGE107P	Physics Laboratory
AGE108P	Engineering Workshop

Semester II

Subject Code	Subject Name
AGE201	Engineering Mathematics-II
AGE202	Basic Electronics Engineering
AGE203	Programming for Engineers
AGE204	Environmental Science
AGE205	Engineering Mechanics

Subject Code	Subject Name
AGE206	Introduction to Agricultural Engineering
AGE207P	Electronics Laboratory
AGE208P	Programming Laboratory

Semester III

Subject Code	Subject Name
AGE301	Fluid Mechanics
AGE302	Soil Science
AGE303	Farm Machinery and Power
AGE304	Strength of Materials
AGE305	Thermodynamics
AGE306P	Farm Machinery Laboratory
AGE307P	Soil Science Laboratory

Semester IV

Subject Code	Subject Name
AGE401	Irrigation Engineering
AGE402	Hydrology
AGE403	Farm Power Systems
AGE404	Agricultural Process Engineering
AGE405	Surveying and Leveling

Subject Code	Subject Name
AGE406P	Irrigation Engineering Lab
AGE407P	Surveying Laboratory

Semester V

Subject Code	Subject Name
AGE501	Soil and Water Conservation Engineering
AGE502	Agricultural Structures and Environmental Control
AGE503	Renewable Energy Sources
AGE504	Watershed Management
AGE505	Farm Management and Economics
AGE506P	Soil & Water Conservation Lab
AGE507P	Renewable Energy Laboratory

Semester VI

Subject Code	Subject Name
AGE601	Post-Harvest Technology
AGE602	Food Process Engineering
AGE603	Groundwater Engineering
AGE604	Tractor Systems and Maintenance
AGE605	Agricultural Marketing
AGE606P	Food Processing Laboratory

Subject Code	Subject Name
AGE607P	Tractor Maintenance Laboratory

Semester VII

Subject Code	Subject Name
AGE701	Precision Agriculture
AGE702	GIS and Remote Sensing
AGE703	Protected Cultivation Technology
AGE704	Agricultural Waste Management
AGE705	Elective-I
AGE706P	Precision Agriculture Lab
AGE707	Industrial Training / Internship

Semester VIII

Subject Code	Subject Name
AGE801	Entrepreneurship Development
AGE802	Project Planning and Management
AGE803	Elective-II
AGE804	Seminar
AGE805	Major Project / Dissertation
AGE806	Viva Voce