

Course curriculum

In order to achieve the above objectives, the curriculum is tailored following the structure below:

- General Development Courses (e.g. GSS courses)
- General Agriculture Courses (e.g. AGR courses)
- Crop Discipline Based Courses (e.g. ACH courses)

Categorization of Courses

For the degree programme, courses are listed in the following categories.

a. General Studies Courses

Each student must register for the following courses

GSS 101-Use of English and library 1

GSS102-Use of English and library 11

GSS 131- Introduction to philosophy and logic

GSS122- History and philosophy of science

GSS111- Introduction to computer studies

GSS 201-Introduction to entrepreneurial studies

GSS 114- Computer applications

GSS 300- Introduction to entrepreneurial skills.

- b. Core/Compulsory Courses:** These are compulsory courses which must be taken and passed to qualify for the award of degree.
- c. Elective Courses:** These are optional courses from which a student can select to make up the minimum units required for graduation.

4.2 Practical Training (Intensive Programme/Students Industrial Work Experience Scheme)

The fourth year of the programme is devoted entirely to practical farm training lasting 9-12 months. During the practical year the students are expected to acquire practical experience in the different areas of Agriculture. The students will be physically present and involved in all the exercise. At the end of this period, there will be written and oral examinations. Each student will also be assessed based on practical work, attendance and written report using log book.

4.3 Areas of Specialization

In the fifth or final year, students can specialize and carry out their research projects in any of the following options:

- a. Arable and plantation crops production

- b. Crop entomology
- c. Plant pathology
- d. Weed science
- e. Plant genetics and breeding
- f. Crop physiology
- g. Seed Science and Seed production Technology

4.4 Duration of Programme

The duration of the programme in the Department is 3 to 5 years depending on the year of entry and the candidate's qualifications. Candidates who enter through UTME spend five years. Candidates with OND/NCE spend four years while Candidates with HND spend 3 years. Students who are not able to complete their degree programme within the minimum duration are given additional two and half years.

List of courses to be offered for the award of Bachelor of Agriculture Degree in Crop Science

YEAR ONE

First Semester

Course code	Course title	Credit hours
GSS 101	Use of English and Library 1	2
GSS 111	Introduction to Computer Science	2
FLL 101	Intermediate French: Oral and Written Expression	2
AEM 101	Introduction to Economics	2
MTH 111	Algebra and Trigonometry	3
BIO 101	General Biology I	3
CHM 101	General Chemistry I	3
PHY 101	General Physics I	3
PHY 181	General Physics Laboratory 1	1
CHM 107	Practical Chemistry I	1

	Total Number of Credit Hours	22
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Second Semester

Course code	Course title	Credit hours
GSS 102	Use of English II	2
GSS 114	Computer Applications	2
GSS 122	History and Philosophy of Science	2
FLL 102	Introduction to French Composition and Comprehension	2
BIO 102	General Biology II	3
MTH 112	Coordinate Geometry and Calculus	3
CHM 102	General Chemistry II	3
CHM 108	Practical Chemistry II	1
PHY 102	General Physics II	3
PHY 182	General Physics Laboratory 11	1
	Total Number of Credit Hours	22

YEAR TWO

First semester

Course code	Course title	Credit hours
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GSS 201	Introduction to Entrepreneurial Studies	2
AGR 211	Introduction to Agriculture	2
AEM 211	Introduction to Agricultural Extension and Rural Sociology	2
APH 221	Introduction to Agricultural Biochemistry	3
APH 211	Principles of Animal Production	3
ACS 211	Principles of Crop Production	3
AGR 221	Introduction to Genetics and Cytology	3
ACS 221	Introduction to weed science	2
ASE 211	Principles of Soil and Environment	3
	Total Number of Credit Hours	23

Second Semester

Course code	Course title	Credit hours
AEM 212	Introduction to Agricultural Economics	3
APH 212	Anatomy and Physiology of Farm Animals	3
ASE 212	Introductory Pedology and Soil Physics	3
FEM 212	Principles of Forestry and Environmental Management	2
ACS 212	Crop Taxonomy, Anatomy and Physiology	3
AGR 212	Fundamentals of Food Processing	2
AEE 212	Introduction to Agricultural Engineering	3
GSS 212	Application of Computer in Agriculture	2
	Total Number of Credit Hours	21

YEAR THREE

First Semester

Course code	Course title	Credit hours
APH 311	Non-Ruminant Animal Production	3
ACS 321	Arable Crop Production	3
AEM 301	Introduction to Farm Management and Production Economics	3
ACS 311	Introduction to Entomology	2
ACS 331	Introduction to Plant pathology	2
AEE 311	Farm Mechanization	2
ASE 311	Soil Degradation and Rehabilitation	3
APH 321	Animal nutrition I	3
AEM 311	Resource and Environmental Economics	3
	Total Number of Credit Hours	24

Second Semester

Course code	Course title	Credit hours
GSS 300	Introduction to Entrepreneurship Skills	2
ACS 322	Permanent Crop Production	3

APH 312	Ruminant Production	3
AGR 312	Farming System	2
AEM 312	Extension Education	3
ASE 312	Soil Chemistry, Biology and Microbiology	3
AGR 322	Experimental Designs	3
AEM 322	Agricultural Business Operation	2
AGR 332	Breeding and Genetics of Crops and Animals	2
	Total Number of Credit Hours	23

YEAR FOUR

First Semester

Course code	Course title	Credit hours
APH 411	Animal Husbandry and Health Management	3
ACS 411	Permanent Crop Production Techniques	3
AEE 411	Farm Mechanization Practices	2
ACS 421	Crop Protection and Pest Management	2

AEM 421	Farm Management and Accounting	3
ASE 411	Soil Sampling, Description and Survey	2
ASE 421	Irrigation and Drainage Practice	2
ASE 431	Environmental Impact Assessment	2
	Total Number of Credit Hours	19

Second Semester

Course code	Course title	Credit hours
ACS 412	Post-Harvest Processing and Storage Techniques	2
APH 412	Ruminant Management Techniques	3
AEM 422	Farm Surveys and Extension Practices	3
ASE 412	Soil Conservation and Land use Management	3
APH 422	Hatchery Practices and Feed Milling	2
ACS 422	Arable Crop Production Techniques	4
AGR 452	Report Writing and Viva	3
ASE 422	Agricultural Meteorology	2
	Total Number of Credit Hours	22

NOTE:

- Attendance at Farm practice is Mandatory
- Students will submit a report on completion of each training area
- The training last for 12 calendar months

YEAR FIVE

First Semester

Course code	Course title	Credit hours
AGR 510	Seminar	2
AGR 511	Research Method and Experimentation	3
ACS 521	Horticultural Crops Production	3
ACS 531	Insect Pests Management in Tropical Crops	2
ACS 551	Diseases Management in Tropical Crops	2
ACS 541	Plant Breeding	2
ASE 561	Soil Fertility and Plant Nutrition	3
Electives	(Choose One course)	
APH 521	Feeds and Feeding Stuffs	3
ASE 551	Soil, plant and water analysis and Instrumentation	3
	Total Number of Credit Hours	20

Second Semester

Course code	Course title	Credit hours
ACS 500	Research Project	6
ACS 512	Post- Harvest Physiology and Storage of Crops	3
ACS 522	Weeds Science	2
ACS 532	Pests Management in stored produce	2
ACS 542	Fruit and Vegetable Production	3

ACS 562	Seed Science/production	2
Electives	(Choose One Course)	
APH 562	Pasture Management and Utilisation	2
ASE 522	Irrigation and Drainage /	2
	Total Number of Credit Hours	20