

Types of Courses for Bachelor of Science in Agriculture (Hons.)

The courses of the undergraduate curricula are divided into several groups such as:

<i>Sl. No</i>	<i>Description</i>	<i>Total Credits (Theory + Practical)</i>
01	General Education Courses (GED)	15
02	Agriculture Core Courses	149
03	Study Tour(s)	2
04	Project / Term Paper	2
Total Credit Hours		168

General Education Courses

Theory + Practical (Cr)

GED 103 : Basic English	2 + 0.0
GED 107 : Introduction to Computer Science	3 + 1.0
GED 110 : Bangladesh Studies	2 + 1.0
GED 117: Bangla Language and Literature	2 + 0.0
GED 415 : Information and Communication Technology	2 + 2.0
Total Credit Hours	11+4.0=15

Agriculture Core Courses

1. Agronomy

Theory + Practical (Cr)

AGR 105 : Fundamentals of Agronomy	3 + 1.5
AGR 204 : Seed Technology and Weed Science	3 + 1.5
AGR 316 : Crop Production Technology	3 + 1.5
AGR 424 : Farm Management and Post-harvest Technology	2 + 1.5
Total	11+6.0=17

2. Agricultural Botany

ABT 102: Fundamentals of Agricultural Botany	2 + 1.5
ABT 204: Plant Physiology	2 + 1.5
ABT 350: Crop Climatology	2 + 1.0
ABT 407: Plant Ecology	2 + 1.0
Total	8+5.0=13

3. Agroforestry and Environmental Science

AFE 104 : Introduction to Agroforestry and Environment	3 + 1.5
Total	4.5

4. Horticulture

HRT 206 : Principles of Horticulture and Landscaping	3 + 1.5
HRT 320 : Olericulture	2 + 1.0
HRT 406: Pomology	2 + 1.0
HRT 430: Nutrition, Food processing and Food Safety,	2 + 1.5
Total	9+5.0=14

5. Soil Science

SSC 118: Introduction to Soil Science	2 + 1.0
SSC 209: Soil Classification, Survey and Conservation	3 + 1.5
SSC 305: Soil Fertility and Soil Microbiology	3 + 1.5
SSC 410: Soil Physics and Soil Chemistry	3 + 1.5
Total	11+5.5=16.5

6. Entomology

ENT 208 : Introduction to Entomology	3 + 1.5
ENT 306 : Insect Physiology and Ecology	3 + 1.0
ENT 360: Insect Pest Management and Economic Entomology	3 + 1.5
Total	9+4=13

7. Plant Pathology

PLP 212 : Fundamentals of Plant Pathology	3 + 1.5
PLP 311 : Diseases of Field Crops	3 + 1.5
PLP 425 : Diseases of Fruits, Vegetables and Management	3 + 1.5
Total	9+4.5=13.5

8. Genetics and Plant Breeding

GPB 216 : Cytology	3 + 1.5
GPB 304 : Fundamentals of Genetics	3 + 1.5
GPB 405 : Plant Breeding	3 + 1.5
Total	9+4.5=13.5

9. Biochemistry and Molecular Biology

BMB 215: Biochemistry and Molecular Biology	3 + 1.0
Total	4

10. Agricultural Extension and Social Development

AES 214 : Fundamentals of Agricultural Extension	3 + 1.5
AES 407 : Agricultural Extension Organization Management	3 + 1.0
Total	6+2.5=8.5

11. Agricultural Chemistry

AGC 305 : Agricultural Chemistry	3 + 1.5
Total	4.5

12. Biotechnology

BIO 412: Introduction to Biotechnology	3 + 1.5
Total	4.5

13. Agricultural Economics and Business Administration

AEB 116 : Introduction to Agri-Economics and Agribusiness	3 + 1.5
Total	4.5

14. Agricultural Engineering

AEN 201 : Fundamentals of Agricultural Engineering	2 + 1.0
AEN 419 : Agricultural Mechanization	2 + 1.0
Total	4+2=6

15. Agricultural Statistics

STT 322: Agricultural Statistics	3 + 1.5
Total	4.5

16. Fisheries and Animal Science

FNA 105 : Integrated Aquaculture	2 + 1.0
FNA 113 : Animal Science	3 + 1.5
Total	5+2.5=7.5

Eight Semester Course Sequences

1st Year 1st Semester

Name of the courses with code	Credit Hours (Theory + Practical)
ABT 102: Fundamentals of Agricultural Botany	2 + 1.5
GED 103 : Basic English	2 + 0.0
AGR 105 : Fundamentals of Agronomy	3 + 1.5
GED 110 : Bangladesh Studies	2 + 1.0
GED 117: Bangla Language and Literature	2 + 0.0
FNA 105: Integrated Aquaculture	2 + 1.0
Total Credit Hours	13 + 5=18

1st Year 2nd Semester

Name of the courses with code	Credit Hours (Theory + Practical)
AFE 104 : Introduction to Agroforestry and Environment	3 + 1.5
GED 107: Introduction to Computer Science	3 + 1.0
FNA 113 : Animal Science	3 + 1.5
AEB 116 : Introduction to Agri-Economics and Agribusiness	3 + 1.5
SSC 118: Introduction to Soil Science	2 + 1.0
Total Credit Hours	14 + 6.5 =20.5

2nd Year 1st Semester

Name of the courses with code	Credit Hours (Theory + Practical)
ABT 204: Plant Physiology	2 + 1.5
AGR 204 : Seed Technology and Weed Science	3 + 1.5
HRT 206 : Principles of Horticulture and Land Scaping	3 + 1.5
AEN 201 : Fundamentals of Agricultural Engineering	2 + 1.0
ENT 208 : Introduction to Entomology	3 + 1.5
Total Credit Hours	13 + 7.0 = 20

2nd Year 2nd Semester

Name of the courses with code	Credit Hours (Theory + Practical)
BMB 215: Biochemistry and Molecular Biology	3 + 1.0
SSC 209: Soil Classification, Survey and Conservation	3 + 1.5
AES 214 : Fundamentals of Agricultural Extension	3 + 1.5
PLP 212 : Fundamentals of Plant Pathology	3 + 1.5
GPB 216 : Cytology	3 + 1.5
Total Credit Hours	15 + 7.0 = 22

3rd Year 1st Semester

Name of the courses with code	Credit Hours (Theory + Practical)
SSC 305: Soil Fertility and Soil Microbiology	3 + 1.5
PLP 311 : Diseases of Field Crops	3 + 1.5
GPB 304 : Fundamentals of Genetics	3 + 1.5
AGC 305 : Agricultural Chemistry	3 + 1.5
ENT 306 : Insect Physiology and Ecology	3 + 1.0
Total Credit Hours	15 + 7.0 = 22

3rd Year 2nd Semester

Name of the courses with code	Credit Hours (Theory + Practical)
ENT 360 : Insect Pest Management and Economic Entomology	3 + 1.5
ABT 350 : Crop Climatology	2 + 1.0
AGR 316 : Crop Production Technology	3 + 1.5
HRT 320 : Olericulture	2 + 1.0
STT 322: Agricultural Statistics	3 + 1.5
Total Credit Hours	13 + 6.5 = 19.5

4th Year 1st Semester

Name of the courses with code	Credit Hours (Theory + Practical)
BIO 412 : Introduction to Biotechnology	3 + 1.5
AES 407 : Agricultural Extension Organization Management	3 + 1.0
HRT 406 : Pomology	2 + 1.0
GPB 405 : Plant Breeding	3 + 1.5
ABT 407 : Plant Ecology	2 + 1.0
Total Credit Hours	13 + 6.0 = 19

4th Year 2nd Semester

Name of the courses with code	Credit Hours (Theory + Practical)
SSC 410 : Soil Physics and Soil Chemistry	3 + 1.5
AEN 419 : Agricultural Mechanization	2 + 1.0
GED 415 : Information and Communication Technology	2 + 2.0
PLP 425 : Diseases of Fruits, Vegetables and Management	3 + 1.5
AGR 424 : Farm Management and Post-harvest Technology	2 + 1.5
HRT 430: Nutrition, Food processing and Food Safety	2 + 1.5
Total Credit Hours	14 + 9.0 = 23