



Bachelor of Science in Agriculture

Program Educational Objectives:

The BSA program aims to educate students in the scientific habit of thought and entrepreneurial skills and prepare them to become globally competitive professionals with entry-level competencies in technical agriculture. It emphasizes the processes and techniques of identifying, diagnosing and analyzing problems and in designing, packaging and applying technologies needed in the development and conservation of the agriculture and food system resources.

Student Outcomes:

- Apply the scientific methods in knowledge generation and knowledge application
- Understand and apply the concepts of agricultural productivity and sustainability in the context of national, regional, and global developments
- Engage in agricultural production and post-production activities
- Promote sound agricultural technologies to various clients and in the manpower development for agriculture
- Employ relevant tools in information technology in solving agriculture-related problems



Republic of the Philippines
BATANGAS STATE UNIVERSITY
College of Agriculture and Forestry
 Masaguitsit, Lobo, Batangas
 Tel. No. (043) 980 - 0385 local 7101



PROGRAM CURRICULUM
 Bachelor of Science in Agriculture (BSA)
Major in Animal Science

First Year, First Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 100	Introduction to Agriculture	1	1	0	
CRPT 101	Principles of Crop Protection	3	2	3	
SOIL 101	Principles of Soil Science	3	2	3	
GEEd 101	Understanding the Self	3	3	0	
GEEd 104	The Contemporary World	3	3	0	
GEEd 105	Readings in Philippine History	3	3	0	
Chem 102	Organic Chemistry	3	2	3	
NSTP 111	National Service Training Program 1	3	3	0	
PE 101	Physical Fitness, Gymnastics and Aerobics	2	2	0	
TOTAL		24	21	9	

First Year, Second Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AnSCI 101	Introduction to Animal Science	3	2	3	
CRSC 102	Principles of Crop Production	3	2	3	
SOIL 102	Soil Fertility Conservation and Management	3	2	3	SOIL 101
GEEd 102	Mathematics in the Modern World	3	3	0	

GEd 106	Purposive Communication	3	3	0	
Litr 102	ASEAN Literature	3	3	0	
NSTP 121	National Service Training Program 2	3	3	0	NSTP 111
PE 102	Rhythmic Activities	2	2	0	PE 101
TOTAL		23	20	9	

First Year, Midterm Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
OJT 107	On-the-Job Training 1 (300 hours)	6	0	300	1 st Year Standing
TOTAL		6	0	300	

Second Year, First Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 201	Introduction to Organic Agriculture	3	3	0	AGRI 100
AGRI 202	Methods of Agricultural Research	3	3	0	
AnSCI 202	Introduction to Livestock & Poultry Production	3	2	3	AnSCI 101
Bio 107	Principles of Genetics	3	2	3	CRSC 101/AnSCI 101/ CRPT 101
CRPT 203	Approaches and Practices in Pest Management	3	2	3	CRPT 101
CRPT 204	Practices of Crop Production	3	2	3	CRSC 101
GEd 108	Art Appreciation	3	3	0	
IT 100	Computer Applications	3	2	3	
PE 103	Individual & Dual Sports	2	2	0	
TOTAL		26	21	15	

Second Year, Second Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 203	Principles of Agricultural Entrepreneurship &	3	3	0	

	Marketing				
AGRI 204	Basic Farm Machineries and Mechanization	3	2	3	
AGRI 205	Principles of Agricultural Extension and Communication	3	3	0	AGRI 100 / GEd 106
AGRI 206	Natural Resource and Environmental Management	3	3	0	
GEd 109	Science, Technology and Society	3	3	0	
Chem 109	General Biochemistry	3	2	3	Chem 102
Fili 101	Kontekstwalisadong Komunikasyon sa Filipino	3	3	0	
GEd 115	Gender & Society	3	3	0	
PE 104	Team Sports	2	2	0	
TOTAL		26	24	6	

Third Year, First Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 307	Introduction to Agricultural Commodity & Enterprise Development	3	3	0	
AGRI 308	General Physiology & Toxicology	3	3	0	CRPT 102
AnSCI 303	Animal Nutrition and Feeding	3	2	3	AnSCI 202
AnSCI 304	Animal Breeding and Biotechnology	3	2	3	
Bio 108	Basic Biotechnology	3	3	0	Chem 109
GEd 107	Ethics	3	3	0	
Fili 102	Filipino sa Iba't ibang Disiplina	3	3	0	
AGRI RES 101	Thesis 1 (Outline/Proposal)	2	2	0	
AGRI SEM 401	Undergraduate Seminar (NC II)	1	1	0	
TOTAL		24	22	6	

Third Year, Second Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 309	Introduction to Agricultural Policy & Development	3	3	0	
AnSCI 306	Forage and Pasture Management	3	2	3	
AnSCI 307	Swine Production & Management	3	2	3	
AnSCI 305	Slaughter of Animals & Animal Products Processing	3	2	3	AnSCI 101
AGRI 310	Introduction to Water Management & Irrigation	3	2	3	
GEEd 116	Philippine Popular Culture	3	3	0	
AGRI RES 102	Thesis 2 (Conduct & Writing)	2	0	2	AGRI RES 101
AGRI SEM 402	Undergraduate Seminar Proposal	1	1	0	
AGRI SEM 403	Colloquium	1	1	0	
AGRI 311	Community-Based Agro-Ecotourism	3	2	3	
TOTAL		25	19	17	

Fourth Year, First Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 412	Beneficial Arthropods and Microorganism	3	3	0	
AGRI 413	Post-Harvest Handling and Seed Technology	3	2	3	
AnSCI 408	Poultry Production & Management	3	2	3	AnSCI 202
AnSCI 409	Ruminant Production and Management	3	2	3	

AnSCI 410	Animal Products Processing	3	2	3	
AnSCI 411	Animal Health and Disease Control	3	2	3	
GEEd 103	Life and Works of Rizal	3	3	0	
AGRI RES 103	Thesis 3 (Manuscript and Defense)	2	0	0	AGRI RES 102
TOTAL		23	16	15	

Fourth Year, Second Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
OJT 108	On-the-Job Training 2	6	0	400	
AGRI 414	Pre Board Review	1	1	0	Graduating Standing
TOTAL		7	1	400	

TOTAL NUMBER OF UNITS: 184



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Bachelor of Science in Agriculture (BSA)
Major in Crop Science

First Year, First Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 100	Introduction to Agriculture	1	1	0	
CRPT 101	Principles of Crop Protection	3	2	3	
SOIL 101	Principles of Soil Science	3	2	3	
GEEd 101	Understanding the Self	3	3	0	
GEEd 104	The Contemporary World	3	3	0	
GEEd 105	Readings in Philippine History	3	3	0	
Chem 102	Organic Chemistry	3	2	3	
NSTP 111	National Service Training Program 1	3	3	0	
PE 101	Physical Fitness, Gymnastics and Aerobics	2	2	0	
TOTAL		24	21	9	

First Year, Second Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AnSCI 101	Introduction to Animal Science	3	2	3	
CRSC 102	Principles of Crop Production	3	2	3	
SOIL 102	Soil Fertility Conservation and Management	3	2	3	SOIL 101
GEEd 102	Mathematics in the Modern World	3	3	0	

GEEd 106	Purposive Communication	3	3	0	
Litr 102	ASEAN Literature	3	3	0	
NSTP 121	National Service Training Program 2	3	3	0	NSTP 111
PE 102	Rhythmic Activities	2	2	0	PE 101
TOTAL		23	20	9	

First Year, Midterm Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
OJT 107	On-the-Job Training 1 (300 hours)	6	0	300	1 st Year Standing
TOTAL		6	0	300	

Second Year, First Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 201	Introduction to Organic Agriculture	3	3	0	AGRI 100
AGRI 202	Methods of Agricultural Research	3	3	0	
AnSCI 202	Introduction to Livestock & Poultry Production	3	2	3	AnSCI 101
Bio 107	Principles of Genetics	3	2	3	CRSC 101/AnSCI 101/ CRPT 101
CRPT 203	Approaches and Practices in Pest Management	3	2	3	CRPT 101
CRPT 204	Practices of Crop Production	3	2	3	CRSC 101
GEEd 108	Art Appreciation	3	3	0	
IT 100	Computer Applications	3	2	3	
PE 103	Individual & Dual Sports	2	2	0	
TOTAL		26	21	15	

Second Year, Second Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 203	Principles of Agricultural Entrepreneurship &	3	3	0	

	Marketing				
AGRI 204	Basic Farm Machineries and Mechanization	3	2	3	
AGRI 205	Principles of Agricultural Extension and Communication	3	3	0	AGRI 100 / GEd 106
AGRI 206	Natural Resource and Environmental Management	3	3	0	
GEd 109	Science, Technology and Society	3	3	0	
Chem 109	General Biochemistry	3	2	3	Chem 102
Fili 101	Kontekstwalisadong Komunikasyon sa Filipino	3	3	0	
GEd 115	Gender & Society	3	3	0	
PE 104	Team Sports	2	2	0	
TOTAL		26	24	6	

Third Year, First Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 307	Introduction to Agricultural Commodity & Enterprise Development	3	3	0	
AGRI 308	General Physiology & Toxicology	3	3	0	CRPT 102
CRPT 305	Crop Physiology	3	2	3	CRPT 204
CRPT 306	Crop Seed Physiology	3	2	3	
Bio 108	Basic Biotechnology	3	3	0	Chem 109
GEd 107	Ethics	3	3	0	
Fili 102	Filipino sa Iba't ibang Disiplina	3	3	0	
AGRI RES 101	Thesis 1 (Outline/Proposal)	2	2	0	
AGRI SEM 401	Undergraduate Seminar (NC II)	1	1	0	
TOTAL		24	22	6	

Third Year, Second Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 309	Introduction to Agricultural Policy & Development	3	3	0	
CRPT 307	Principles and Practices of Plant Breeding, Plant Propagation and Nursery Management	3	2	3	
CRPT 308	Vegetable Production	3	2	3	
AnSCI 305	Slaughter of Animals & Animal Products Processing	3	2	3	AnSCI 101
AGRI 310	Introduction to Water Management & Irrigation	3	2	3	
GEEd 116	Philippine Popular Culture	3	3	0	
AGRI RES 102	Thesis 2 (Conduct & Writing)	2	0	2	AGRI RES 101
AGRI SEM 402	Undergraduate Seminar Proposal	1	1	0	
AGRI SEM 403	Colloquium	1	1	0	
AGRI 311	Community-Based Agro-Ecotourism	3	2	3	
TOTAL		25	19	17	

Fourth Year, First Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
AGRI 412	Beneficial Arthropods and Microorganism	3	3	0	
AGRI 413	Post-Harvest Handling and Seed Technology	3	2	3	
CRPT 409	Ornamental and Landscape Horticulture	3	2	3	AnSCI 202

CRPT 410	Cereal Crops Production and Management	3	2	3	
CRPT 411	Field Legumes and Root Crops Production and Management	3	2	3	
CRPT 412	Fruits and Plantation Crops Production and Management	3	2	3	
GEEd 103	Life and Works of Rizal	3	3	0	
AGRI RES 103	Thesis 3 (Manuscript and Defense)	2	0	0	AGRI RES 102
TOTAL		23	16	15	

Fourth Year, Second Semester

Course Code	Course Title	Units	Lec Hours	Lab Hours	Prerequisite
OJT 108	On-the-Job Training 2	6	0	400	
AGRI 414	Pre Board Review	1	1	0	Graduating Standing
TOTAL		7	1	400	

TOTAL NUMBER OF UNITS: 184