



COLLEGE OF AGRICULTURE

CURRICULUM

Course: Bachelor of Science in Agriculture
 Major: Soil Science
 Revised (MM/YYYY): MAY 2020 (For Incoming Second Year) 2019 CURRICULUM
 Approved BOR No.: 148.s. 2020

FIRST YEAR

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEC 12	Readings in Philippine History	3.0	0.0	3.0	None
GEC 13	The Contemporary World	3.0	0.0	3.0	None
GEE 15	Gender and Society	3.0	0.0	3.0	None
CHY 30*	College Chemistry	2.0	0.0	2.0	None
CHY 30.1*	College Chemistry Laboratory	0.0	3.0	1.0	None
AGRIC 41	Introduction to Agriculture	1.0	0.0	1.0	None
CPRT 41	Principles of Crop Protection	2.0	3.0	3.0	None
CPSCI 41	Principles of Crop Production	2.0	3.0	3.0	None
PE 31	Movement Enhancement	2.0	0.0	2.0	None
NSTP 1	National Service Training Program I	3.0	0.0	3.0	None
TOTAL		21.0	9.0	24.0	

* For non-STEM completers

Second Semester

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEC 11	Understanding the Self	3.0	0.0	3.0	None
GEC 14	Mathematics in the Modern World	3.0	0.0	3.0	None
GEC 15	Purposive Communication	3.0	0.0	3.0	None
CHY 32	Organic Chemistry	2.0	0.0	2.0	CHY 30 & CHY 30.1
CHY 32.1	Organic Chemistry Laboratory	0.0	3.0	1.0	CHY 30 & CHY 30.1
ANSCI 42	Introduction to Animal Science	2.0	3.0	3.0	AGRIC 41
CPRT 42	Approaches and Practices in Pest Management	2.0	3.0	3.0	CPRT 41
SOILS 42	Principles of Soil Science	2.0	3.0	3.0	CHY for Non-STEM completers, AGRIC 41
PE 32	Fitness Exercises	2.0	0.0	2.0	PE 31
NSTP 2	National Service Training Program II	3.0	0.0	3.0	NSTP 1
TOTAL		22.0	12.0	26.0	

MIDYEAR

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
AGRIC 98	Practicum (Skills Development in Animal Science/Crop Protection/Crop Science)	240 HOURS		6.0	AGRIC 41, GEC 11, GEC 14, GEC 15, ANSCI 42/CPRT 42/CPSCI 41

SECOND YEAR

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEC 16	Art Appreciation	3.0	0.0	3.0	None
BIO 31	Introduction to Genetics	2.0	3.0	3.0	None
CHY 47	Biochemistry	3.0	0.0	3.0	CHY 32, CHY 32.1
AGECN 41	Principles of Agricultural Entrepreneurship and Enterprise Development	3.0	0.0	3.0	None
AGRIC 43	Introduction to Organic Agriculture	3.0	0.0	3.0	AGRIC 41
ANSCI 43	Introduction to Livestock and Poultry Production	2.0	3.0	3.0	ANSCI 42
CPSCI 43	Practices of Crop Production	2.0	3.0	3.0	CPSCI 41
SOILS 43	Soil Fertility, Conservation and Management	2.0	3.0	3.0	SOILS 42
PE 33	Physical Activities Towards Health & Fitness I	2.0	0.0	2.0	PE 31
TOTAL		22.0	12.0	26.0	

Second Semester

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEC 17	Science, Technology and Society	3.0	0.0	3.0	None
GEE 13	Living in the IT Era	3.0	0.0	3.0	None
ABE 30	Basic Farm Machineries and Mechanization	2.0	3.0	3.0	None
AGECN 42	Introduction to Agricultural Commodity Systems	3.0	0.0	3.0	AGECN 41
AGRIC 44	Statistics Applied to Agriculture	2.0	3.0	3.0	GEC 14
AGEXT 42	Principles of Agricultural Extension and Communication	3.0	0.0	3.0	AGRIC 41
ENS 43	Natural Resource and Environmental Management	3.0	0.0	3.0	None
PE 34	Physical Activities Towards Health & Fitness II	2.0	0.0	2.0	PE 31
TOTAL		21.0	6.0	23.0	

CERTIFICATE IN AGRICULTURAL SCIENCE (CAS)

All Students who satisfactorily completed the first (two) years shall be awarded the Certificate of Agricultural Science (CAS)

THIRD YEAR

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEC 18	Ethics	3.0	0.0	3.0	None
GEC 19	The Life, Works and Writings of Jose Rizal	3.0	0.0	3.0	None
AGRIC 45	Basic Biotechnology	3.0	0.0	3.0	BIO 31
CPRT 43	Beneficial Arthropods and Microorganisms	2.0	3.0	3.0	CPRT 42
AGRIC 95	Methods of Agricultural Research	2.0	3.0	3.0	AGRIC 44
Major Course 1				3.0	
Major Course 2				3.0	
Major Course 3				3.0	
TOTAL				24.0	

Second Semester

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
GEE 19	Philippine Popular Culture	3.0	0.0	3.0	None
ANSCI 44	Slaughter of Animals and Animal Product Processing	2.0	3.0	3.0	ANSCI 42
CPRT 44	General Physiology and Toxicology	2.0	3.0	3.0	CPRT 42
CPSCI 44	Postharvest Handling and Seed Technology	2.0	3.0	3.0	CPSCI 43
SOILS 99A	Seminar A in Soil Science	1.0	0.0	1.0	Passed at least 6 units of major courses
Major Course 4				3.0	
Major Course 5				3.0	
Major Course 6				3.0	
SOILS 100.1**	Undergraduate Thesis/Practicum/Major Farm Practice in Soil Science (Outline/Proposal)	0.0	2.0	2.0	AGRIC 95
TOTAL				24.0	

FOURTH YEAR

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
ABE 31	Introduction to Water Management and Irrigation	2.0	3.0	3.0	None
AGECN 45	Introduction to Agricultural Policy and Development	3.0	0.0	3.0	None
AGEXT 43	Management of Extension Programs	3.0	0.0	3.0	AGEXT 42
AGRIC 97	Competency Enhancement	6.0	0.0	6.0	Certificate of Agricultural Science
SOILS 99B	Seminar B in Soil Science	1.0	0.0	1.0	SOILS 99A
SOILS 99C	Seminar C (Colloquium) in Soil Science	1.0	0.0	1.0	SOILS 99A
Major Course 7				3.0	
Major Course 8				3.0	
SOILS 100.2**	Undergraduate Thesis/Practicum/Major Farm Practice in Soil Science (Experimental/Conduct)	0.0	2.0	2.0	SOILS 100.1, SOILS 56
TOTAL				25.0	

Second Semester

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
SOILS 98	Apprenticeship/On-the-Job-Training (240 hrs.)	0.0	6.0	6.0	Passed all courses
SOILS 100.3**	Undergraduate Thesis/Practicum/Major Farm Practice in Soil Science (Manuscript and Defense)	0.0	2.0	2.0	SOILS 100.2
TOTAL		0.0	8.0	8.0	

Summary of Units

General Education Courses	36.0
Core Courses	100.0
Major Courses	24.0
Undergraduate Thesis/Practicum/Major Farm Practice	6.0
Apprenticeship/On-the-Job-Training	6.0
NSTP/PE	14.0
TOTAL	183/186*

List of Major Courses:

SUBJECT	TITLE	HOURS		Units	Pre-requisite/s
		Lec	Lab		
SOILS 51	Soil Chemistry	3.0	0.0	3.0	SOILS 42
SOILS 52	Soil Physics	2.0	3.0	3.0	SOILS 42
SOILS 53	Soil Microbiology	2.0	3.0	3.0	SOILS 42
SOILS 54	Agricultural Geology	2.0	3.0	3.0	SOILS 42
SOILS 55	Soil Survey, Classification and Land Use	2.0	3.0	3.0	SOILS 42
SOILS 56	Soil Fertility Evaluation	1.0	6.0	3.0	SOILS 42, SOILS 51
SOILS 57	Management of Problem Soils	3.0	0.0	3.0	SOILS 42
SOILS 59	Inorganic Plant Nutrition	2.0	3.0	3.0	SOILS 43, SOILS 51

**may be offered every semester including midyear

Prepared by:

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