

BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

First Year, First Semester

Course No.	Course Title	Units	Hrs/Week			Pre-requisite(s)
			Lec	Lab	Total	
FIL101	Wika at Kultura sa Mapayapang Lipunan	3	3	0	3	None
GEC104	Mathematics in the Modern World	3	3	0	3	None
GEC108	Science, Technology and Society	3	3	0	3	None
ENS011	Fundamentals of Environmental Science	3	3	0	3	None
Math 17	Introduction to Calculus: Algebra and Trigonometry	6	6	0	6	None
PED001	Exercise Prescription and Management	2	2	0	2	None
NST001	National Service Training Program 1	(3)	(3)	0	(3)	
Total		20	20	0	20	

First Year, Second Semester

Course No.	Course Title	Units	Hrs/Week			Pre-requisite(s)
			Lec	Lab	Total	
GEC101	Understanding the Self	3	3	0	3	None
GEC105	Readings in Philippine History	3	3	0	3	None
GEC102	Purposive Communication	3	3	0	3	None
GEC103	The Contemporary World	3	3	0	3	None
ENS012	Physical Geography	3	3	0	3	None
Physics 11	Introductory Physics	3	3	0	3	Math 17
Physics 11.1	Introductory Physics Laboratory	1	0	3	3	None
PED002	Dance/Martial Arts	2	2	0	2	PED001
NST002	National Service Training Program 2	(3)	(3)	0	(3)	NST002
Total		21	20	3	23	

Second Year, First Semester

Course No.	Course Title	Units	Hrs/Week			Pre-requisite(s)
			Lec	Lab	Total	
GEC107	Ethics	3	3	0	3	None
GEC109	Life and Works of Rizal	3	3	0	3	None
HIS003	History of Filipino Muslims and the Indigenous People of MINSUPALA	3	3	0	3	None
ENS021	Fundamentals of Ecology	4	3	3	6	ENS012
CHM053AA	Inorganic and Organic Chemistry	3	3	0	3	None
CHM053BA	Inorganic and Organic Chemistry Laboratory	2	0	6	6	None
PED003	Traditional Recreational Games	2	2	0	2	PED001
Total		20	17	9	26	

Second Year, Second Semester

Course No.	Course Title	Units	Hrs/Week			Pre-requisite(s)
			Lec	Lab	Total	
FIL102	Ekokritisismo at Pagpapahalaga sa Kalikasan	3	3	0	3	None
ENS022	Environment and Natural Resource Ethics, Policies, Legislations and Governance	3	3	0	3	ENS011
ENS023	Plant Taxonomy and Nomenclature	4	2	6	8	ENS021
ENS024	Surveying and Remote Sensing	3	2	3	5	ENS012
CHM043AA	General Biochemistry	2	2	0	2	CHM053AA & CHM053BA
CHM043BA	General Biochemistry Laboratory	1	0	3	3	None
PED004	Team Sports	2	2	0	2	PED001
Total		18	14	12	26	

Third Year, First Semester

Course No.	Course Title	Units	Hrs/Week			Pre-requisite(s)
			Lec	Lab	Total	
Stat 34	Statistics for Biology	3	3	0	3	Math 17
ENS031	Animal Taxonomy and Nomenclature	4	2	6	8	ENS011
ENS032	Aquatic and Terrestrial Ecosystem Management	3	2	3	5	ENS021
ENS033	Environmental Chemistry and Toxicology	4	3	3	6	CHM043AA & CHM043BA
ENS034	Microbiology for Environmental Studies	4	3	3	6	None
CSC011	Programming for Scientific Computing	3	2	3	5	Math 17
Total		21	15	18	33	

Third Year, Second Semester

Course No.	Course Title	Units	Hrs/Week			Pre-requisite(s)
			Lec	Lab	Total	
GEC106	Art Appreciation	3	3	0	3	None
ENS035	Environmental Impact Assessment	3	2	3	5	ENS032
ENS036	Environmental Pollution	3	2	3	5	ENS033
ENS037	Forest Wildlife and Biodiversity Conservation	3	2	3	5	ENS023 ENS031
ENS038	Geospatial Analysis for the Environment and Natural Resources	3	2	3	5	ENS024 CSC011
ENS039	Soil Science	3	2	3	5	CHM043AA & CHM043BA
ENS196	Industries Inspection and Seminar	2	2	0	2	GEC102
Total		20	15	15	30	

Third Year, Summer

Course No.	Course Title	Units	Hrs/Week			Pre-requisite(s)
			Lec	Lab	Total	
ENS197	Field Practicum	6	0	360	360	ENS035 ENS038
Total		6	0	360	360	

Fourth Year, First Semester

Course No.	Course Title	Units	Hrs/Week			Pre-requisite(s)
			Lec	Lab	Total	
ENS041	Agroforestry and Sustainable Upland Development	3	3	0	3	ENS038
ENS042	Environmental Resource Economics, Valuation and Accounting	3	2	3	5	ENS035
ENS043	Meteorology	3	2	3	5	ENS012
Math 38	Calculus for Business and Economics	3	3	0	3	Math 17
ENS198	Research Methods and Project Design	3	2	3	5	GEC102 Stat 34
CRSC 1	Principles of Crop Production	3	2	3	5	None
Major Elective 1		3	2	3	5	
Total		21	16	15	31	

Fourth Year, Second Semester

Course No.	Course Title	Units	Hrs/Week			Pre-requisite(s)
			Lec	Lab	Total	
FPE101	Fundamentals of Peace Education	3	3	0	3	None
ENS044	Climate Change: Impacts, Adaptations Mitigations and Vulnerabilities	3	3	0	3	ENS043
ENS045	Population, Resource and Environment	3	3	0	3	ENS021
ENS199	Thesis	3	0	0	0	ENS198
	Major Elective 2	3	2	3	5	
	Major Elective 3	3	2	3	5	
Total		18	13	6	19	

Total Number of Units Per Semester				
Year	Semester			
	First	Second	Summer	Total
First	20	21	0	41
Second	20	18	0	38
Third	21	20	0	41
Summer	0	0	6	6
Fourth	21	18	0	39