



J.H. CERILLES STATE COLLEGE
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SCHOOL OF AGRICULTURE, FORESTRY AND ENVIRONMENTAL STUDIES



Republic of the Philippines
 Office of the President

COMMISSION ON HIGHER EDUCATION

Content Noted

[Signature]
 ROBY P. GARCIA, MDM, Ed.D.

CHE, Director III

Bachelor of Science in Environmental Science (BS Envi Sci)

CMO No. 35, s. 2005

Effective: Academic Year 2022-2023

BOT Res. No. 77, Series 2022

Effective: First Semester School Year 2022-2023

Summary	Number of Units		
	Per CMO No. 35, s. 2005	Existing Curriculum	Enhanced Curriculum
Courses			
I. General Education Courses			
A. GE Core	24	24	24
B. GE Elective	9	9	9
C. Mandated	3	3	3
II. Core Courses	46	46	46
III. Environmental Science Courses with Environmental Monitoring	20	26	26
IV. Environmental Studies & Environmental Management Courses	12	12	12
V. EIA	3	3	3
VI. Thesis or Special Project + OJT	6	6	6
VII. Mandated Courses	14	14	14
VIII. Institutional Courses		7	8
TOTAL UNITS	137	150	151

FIRST YEAR

FIRST SEMESTER						SECOND SEMESTER							
Grades	Course No.	Description	No. of Units		Total	Pre-req.	Grades	Course No.	Description	No. of Units		Total	Pre-req.
			Lec	Lab						Lec	Lab		
	GEE 101	Living in the IT Era	3	0	3	None		GEC 101	Purposive Communication	3	0	3	None
	GEC 102	*Readings in Philippine History	3	0	3	None		GEM 101	Life and Works of Rizal	3	0	3	None
	GEC 105	*Understanding the Self	3	0	3	None		Chem 102	General Chemistry 2	3	2	5	Chem 101
	Chem 101	General Chemistry 1	3	2	5	None		ENS 22	Environmental Pollution	2	1	3	ENS 21
	ENS 21	Intro to Environmental Science	3	0	3	None		PATHFit 2	Exercise-Based Fitness Activities	2	0	2	PATHFit 1
	PATHFit 1	Movement Competency Training	2	0	2	None		NSTP 102	CWTS/LTS/ROTC	3	0	3	NSTP 101
	NSTP 101	CWTS/LTS/ROTC	3	0	3	None							
	TOTAL		20	2	22			TOTAL		16	3	19	

SECOND YEAR

FIRST SEMESTER						SECOND SEMESTER							
Grades	Course No.	Description	No. of Units		Total	Pre-req.	Grades	Course No.	Description	No. of Units		Total	Pre-req.
			Lec	Lab						Lec	Lab		
	IC 101	JHCSC Civic Course	1	0	1	None		GEC 103	Mathematics in the Modern World	3	0	3	None
	IC 102	Advanced Academic Reading and Writing	3	0	3	None		GEC 106	Ethics	3	0	3	None
	ES 21	Environmental Ethics, Policies & Laws	3	0	3	ENS 21		ENS 23	Terrestrial and Aquatic Ecosystem	3	0	3	Bio 104
	Bio 101	General Biology 1	3	2	5	Chem 102		Bio 102	General Biology 2	3	2	5	Bio 101
	Chem 115	Analytical Chemistry	3	2	5	Chem 102		Physics 101	Mechanics and Thermodynamics	3	2	5	None
	Stat 101	Statistics	2	1	3	None		PATHFit 4	Dance/Sports	2	0	2	PATHFit 1 & 2
	PATHFit 3	Dance/Sports	2	0	2	PATHFit 1 & 2							
	TOTAL		17	5	22			TOTAL		17	4	21	

*With Integration of Peace Studies and IPs Studies

THIRD YEAR													
FIRST SEMESTER						SECOND SEMESTER							
Grades	Course No.	Description	No. of Units		Total	Pre-req.	Grades	Course No.	Description	No. of Units		Total	Pre-req.
			Lec	Lab						Lec	Lab		
	GEC 108	Science, Technology & Society	3	0	3	None		GEC 104	*Art Appreciation	3	0	3	None
	GEE 105	Gender and Society	3	0	3	None		GEC 107	*The Contemporary World	3	0	3	None
	Earth 101	Earth Science	3	2	5	none		GEE 104	The Entrepreneurial Mind	3	0	3	None
	Math 103	Calculus	3	0	3	None		ENS 25	Research Methods for Environmental Science	3	0	3	Stat 101
	ENS 24	Wildlife & Biodiversity Conservation	2	1	3	ENS 23		ENS 27	Environmental Resources and Economic Valuation	2	1	3	ENS 23, Math 103
	Bio 104	Ecology	3	2	5	Bio 102, Chem 115, Stat 101		ENS 28	Environmental System Modeling & Simulation	2	1	3	Physics 101, Earth 101
	TOTAL		17	5	22			TOTAL		16	2	18	

Summer						
Grades	Course No.	Description	No. of Units		Total	Pre-req.
			Lec	Lab		
	Envi Sci Practicum	Practicum (OJT)		240 hrs	3	ENS 25
	TOTAL				3	

FOURTH YEAR													
FIRST SEMESTER						SECOND SEMESTER							
Grades	Course No.	Description	No. of Units		Total	Pre-req.	Grades	Course No.	Description	No. of Units		Units	Pre-req.
			Lec	Lab						Lec	Lab		
	ENS 26	Environmental Monitoring	3	2	5	Stat 101, ENS 22, Chem 115		ES 25	Land Use & Urban Planning & Mgt.	2	1	3	ENS 26 ENS 27
	ES 23	Geo-spatial Methods in En'tal Res. Mgt.	2	1	3	ENS 28		Es 27	Principles of Ecotourism Management & Community Development	3	0	3	ENS 26
	EIA 50	Environmental Impact Assessment	2	1	3	ENS 27		IC 104	Seminar on Recent Trends and Issues	1	0	1	ENS 100A
	ENS 100A	Undergraduate Thesis A	3	0	3	Stat 101, ENS 25		ENS 100B	Undergraduate Thesis B	3	0	3	ENS 100A
	TOTAL		10	4	14			TOTAL		9	1	10	

**With Integration of Peace Studies and IPs Studies*