

Bachelor of Science in Environment and Sustainability (BSc-ES):

FIRST YEAR [40 Credits]				
Semester I				
ES-CC 101 Foundations of Environmental Sciences-1	ES-CC 102 Introduction to Earth System Science	ES-CC 103 Concept of Environment & Sustainability	ES-CC 104 Environmental Degradation: Air and Forest	ES-OE### Open Electives 1
Semester II				
ES-CC 106 Foundations of Environmental Sciences –II	ES-CC 107 Environmental Degradation: Water & Soil	ES-CC 108 Introduction to Research & Evidence	ES-CC 109 Language and Communication	ES-OE### Open Electives 2
SECOND YEAR [40 Credits]				
Semester III				
ES-CC 201 Ecology, Environment & Development	ES-CC 202 Environmental Microbiology, Biotechnology & Ecology	ES-CC 203 Environment & Health	ES-CC 204 Environmental Economics, Policy & Governance	ES-DME### Disciplinary Minor Elective 1
Semester IV				
ES-CC 206 Research Methods (Quantitative)	ES-CC 207 Foundations of Biostatistics	ES-CC 208 Sustainable Ecosystem	ES-CC 209 Climate Change and its Impact	ES-DME### Disciplinary Minor Elective 2
THIRD YEAR [40 Credits]				
Semester V				
ES-CC 301 Research Methods (Qualitative)	ES-CC 302 Environmental Ethics & Society	ES-CC 303 Geospatial Technology I: GIS of the Environment	ES-CC 304 Resource Management – Air, Water, Waste	ES-DME### Disciplinary Minor Elective 3
Semester VI				
ES-CC 306 Geospatial Technology II: Remote Sensing of the Environment	ES-CC 307 Climate Hazards and Disaster Preparedness	ES-CC 308 Environment Legislations & Policy	ES-CC 309 Clean Energy, Technology and Policy	ES-CC 310 Internship
FOURTH YEAR [40 Credits]				
Semester VII				
ES-CC 401 Environment Impact and Risk Assessment	ES-CC 402 Environmental Data Management & Analysis	ES-CC 403 Environmental / Climate Data Modelling	ES-DME### Disciplinary Minor Elective 4	
Semester VIII				
ES-CC 405 Capstone Research Project	ES-CC 406 Environmental Science Practicum			

DISCIPLINARY MINOR ELECTIVES

DME 1 (Any one)	DME 2 (Any one)	DME 3 (Any one)	DME 4 (Any one)
ES-DME 205.1 Gender and Environment	ES-DME 210.1 Human Wildlife Conflict and Management	ES-DME 305.1 Environment Law	ES-DME 404.1 Disaster Management
ES-DME 205.2 Behaviour Change Theories and Models	ES-DME 210.2 Case Studies in Global Environmental Sciences	ES-DME 305.2 Operations Research	ES-DME 404.2 Biodiversity and Conservation
ES-DME 205.3 Built Environment and Health			ES-DME 404.3 One Health

OPEN ELECTIVES [CHOICE BASED ELECTIVES]

Open Electives 1 (Any Two)	Open Electives 2 (Any Two)
ES-OE 105.1 Photography	ES-OE 110.1 Performing Arts (Street Play/Playback Theatre)
ES-OE 105.2 Pottery	ES-OE 110.2 Short Film Making
ES-OE105.3 Community Health Promotion	ES-OE 110.3 Environment Journalism
ES-OE 105.4 Demystifying Biostatistics	ES-OE 110.4 Foreign Language

FIRST YEAR [40 Credits]**Semester I**

PH-CC 101 Foundations of Basic	PH-CC 102 History of Public Health	PH-CC 103 Concept of Health, Disease &	PH-CC 104 Social Sciences and Public	PH-OE ### Open	PH-OE
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Sciences for Health – I		Prevention	health	Elective 1	###Open Elective 1
Semester II					
PH-CC 106 Foundations of Basic Sciences for Health – II	PH-CC 107 Introduction to Research & Evidence	PH-CC 108 Language Culture and Communications	PH-CC 109 Health Promotion & Communication	PH-OE### Open Elective 1	PH-OE ### Open Elective 2
SECOND YEAR [40 Credits]					
Semester III					
PH-CC 201 Environment and Health	PH-CC 202 Population and Health	PH-CC 203 Understanding Health Systems	PH-CC 204 Ecology, Environment and Development	PH-DME### Disciplinary Minor Elective (DME)-1	
Semester IV					
PH-CC 206 Foundations of Epidemiology	PH-CC 207 Foundations of Biostatistics	PH-CC 208 Fundamentals of Economics	PH-CC 209 Research Methods Quantitative	PH-CC### Disciplinary Minor Elective (DME)-2	
THIRD YEAR [40 Credits]					
Semester V					
PH-CC 301 Research Methods Qualitative	PH-CC 302 Disease Epidemiology	PH-CC -303 Health Management: Principles and Practices	PH-CC 304 Social Epidemiology	PH-CC ### Disciplinary Minor Elective (DME)-3	
Semester VI					
PH-CC 306 Sexual and Reproductive Health Rights	PH-CC 307 Health Programmes and Policy: Design and Implementation	PH-CC 308 Public Health Nutrition	PH-CC 309 Internships	PH-CC ### Disciplinary Minor Elective (DME)-4	
FOURTH YEAR [40 Credits]					
Semester VII					
PH-CC 401 Health Data Management	PH-CC 402 Design Thinking in Public Health	PH-CC 403 Health Technology Assessment	PH-CC 404 Capstone Project Proposal Presentation		
Semester VIII					
PH-CC 405	Capstone Project				

Bachelor of Public Health

OPEN ELECTIVES [CHOICE BASED ELECTIVES]

Open Electives 1 (Any Two)	Open Electives 2 (Any Two)
PH-OE 105.1 Photography	PH-OE 110.1 Performing Arts (Street Play/Playback Theatre)
PH-OE 105.2 Pottery	PH-OE 110.2 Short Film Making
PH-OE105.3 Community Health Promotion	PH-OE 110.3 Environment Journalism
PH-OE 105.4 Demystifying Biostatistics	PH-OE 110.4 Foreign Language

DISCIPLINARY MINOR ELECTIVES

DME 1 (Any one)	DME 2 (Any one)	DME 3 (Any one)	DME 4 (Any one)
PH-DME 205.1 Work and Health	PH-DME 210.1 Bioethics	PH-DME 305.1 Life Course Epidemiology	PH-DME 310.1 Disaster Management
PH-DME 205.2 Case Studies in Public Health	PH-DME 210.2 Gender, Sexuality and Health	PH-DME 305.2 Operations Research	PH-DME 310.2 One Health (Online)
			PH-DME 310.3 Digital Health