- Each semester GPA merit based full tuition fee waiver scholarships per 30 students intake capacity
- Need and merit based partial tuition fee waiver scholarships as per KU provision.
- Loan Scholarship

Admission Eligibility

Must have taken PCM (Physics, Chemistry and Mathematics) or PCB (Physics, Chemistry and Biology) in both XI and XII. Minimum grade of C in all subjects. OR

If the student has been evaluated in a percentage system, a minimum 50% in aggregate of PCM or PCB.

Cost of Program

Total cost of the four-year program for 2021 intake is NRs. 770,000.





Prof. Dr. Subodh Sharma (Registrar - KU) Prof. Dr. Bibhuti Ranjan Jha

- Dr. Rijan Bhakta Kayastha (Head of the Department)
- Dr. Bed Mani Dahal
- Dr. Kumud Raj Kafle
- Mrs. Sabita Aryal Khanna
- Mr. Sandeep Shrestha
- Dr. Rabindra Pokhrel
- Dr. Smriti Gurung
- Dr. Kundan Lal Shrestha
- Dr. Bikash Adhikari
- Dr. Nani Raut
- Dr. Anish Ghimire (Coordinator -Environmental Engineering)
- Er. Subodh Luitel

Teaching Assistants

- Ms. Shreeya Manandhar
- Er. Shreesha Bhattarai

Office Staff

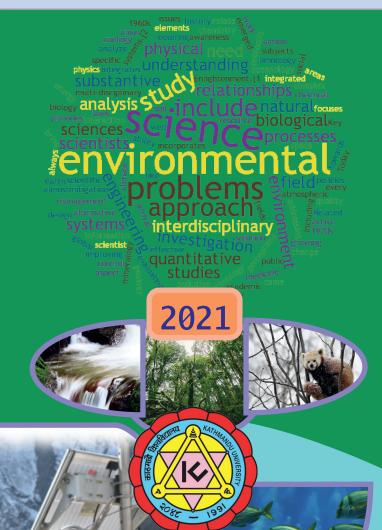
Mr. Sambhu Raya



Environmental Science

B. Sc. in





Department of Environmental Science and Engineering

School of Science, Kathmandu University Dhulikhel, Kavre, Nepal

http://ese.ku.edu.np Phone: 977-011-415100, Email: ese hod@ku.edu.np

Department of Environmental Science and Engineering

http://ese.ku.edu.np

Program

Kathmandu University (KU) was established by the act of parliament of Nepal in November 1991, as an autonomous, not-forprofit, non-government institution dedicated to maintaining high standards of academic excellence.

The Bachelor of Science in Environmental Science program, the first such program in Nepal, was launched by KU in August 1994.

The students will develop their ability to keenly observe their environment, identify

its issues, and propose appropriate holistic solutions to prevent or mitigate them. They will be capable of taking necessary actions to ensure that development and environment go



hand-in-hand and a sustainable future is attained for all beings. The program will equip the students with the knowledge, skills, and confidence to deal with one of the biggest challenges the world faces today: environmental degradation, and also help them understand the complex relationship between humans and nature.

Code	Course	Cr.	Code	Course	Cr.
Year I Seme	ster I		Year III Sen	nester I	
MATH 111	Calculus & Algebra	3	ESEE 301	Meteorology & Climate Studies	3
COMP 101	Information Systems Technology	2	ESEE 305	Environmental Hazards & Disaster	3
PHYS 101	General Physics I	3		Preparedness	
CHEM 101	General Chemistry	3	ESEE 351	Environmental Data Analysis Project	2
ENGT 104	Professional Communication	3	ESEE 302	GIS and Remote Sensing	1
BIOL 101	General Biology	3	ESEE 341	GIS & Remote Sensing lab	2
ENGG 101	Engineering Project Preparation and	2	ESEE 303	Environmental Sociology & Human Ecology	3
	Workshop Practice	_	ESEE 304	Environmental and Occupational Health	3
	Workshop Practice		ESEE 308	Environmental Economics	2
		19		Environmental Economics	19
Year I Semester II			Year III Semester II		17
MATH 102	Statistics and Probability	3	ESEE 306	Urbanization and Sustainable Development	3
COMP 117	Introduction to Python Programming	3	ESEE 307	Applied Hydrology	3
PHYS 102	General Physics II	3	ESEE 342	Hydrology Practical	1
CHEM 102	Inorganic Chemistry	2	ENVS 302	Aquatic Ecology	3
ENGG 102			ESEE 309	Energy Resource Engineering	3
	Engineering Project	2	ESEE 309 ***		
EDRG 103	Engineering Drawing	2		Elective	3
ENVS 101	Introduction to Environmental Science	2	ESEE 310	Environmental Survey	3
ENVS 102	Ecology	2			
ENVS 141	Ecology Practical	1			40
		20			19
Year II Semester I			Year IV Sen		
MATH 206	Applied Statistics	3	ESEE 401	Solid Waste Engineering	3
ENVS 204	Soil Science	3	ESEE 402	Environmental Impact Assessment	2
CHEM 215	Analytical Chemistry	3	ESEE 451	Environmental Impact Assessment Project	1
CHEM 216	Analytical Chemistry Laboratory	1	ESEE 403	Environmental Modeling	3
ESEE 211	Environmental Pollution I	3	ESEE 404	Ethics and Entrepreneurship	3
ESEE 241	Environmental Pollution Lab I	1	ESEE 452	Environmental Research Methods	2
ENVS 206	Biodiversity & Taxonomy	3	***	Elective	3
CHEM 207	Organic Chemistry	2	ESEE 405	Integrated Watershed Management	3
		19			20
Year II Semester II			Year IV Sen	nester II	
ENVS 203	Forest Environment	3	ESEE 453	Final Year Project	6
ENVS 202	Conservation Biology	3	ESEE 454	Internship	1
ESEE 201	Environmental Laws and Policies	2			
ESEE 221	Environmental Pollution II	3			
ESEE 242	Environmental Pollution Lab II	1		Gharial Conservation Program	
BIOL 207	Microbiology	2		(Co.50 2 (A) (CO.50 (O) (CO.50 (O)	
BIOL 208	Microbiology Lab	1			
ENVS 205	Geology & Geomorphology	3			
ENVS 242	Geology Practical	1			
LITTO 2-12	Geology Haerical	19	_		7
Total Credite	of 4 years: 142				
Electives	01 + yours. 142				
	A aniquiture and anying a sect	2	ECEE 422	Landsonna & Diognais agrica	2
ENVS 331	Agriculture and environment	3	ESEE 432	Landscape & Bioengineering	3
ENVE 303	Air and Noise Pollution Control Engineering	3	ESEE 331	Pests and Pesticides	3
ESEE 431	Faecal Sludge Management	3	ENVS 431	Protected Area Management	3
ENVS 423	Glacier Environment	3	ESEE 431	Urban environment	3