



B.Sc (Hons) in Environmental Science (3 years)

Course Structure

1stYear – SEMESTER I								
Sl. No.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Theory	BSCE31101	Earth Sciences	4	0	0	4	4
2	Theory	SMA31171	Engineering Mathematics	3	1	0	4	4
3	Theory	BSCE31103	Surveying	3	1	0	4	4
4	Theory	BSCE31105	Fundamentals of Environmental Biology	3	1	0	4	4
5	Theory	HEN31105	AECC-I (English / Communication Skill)	2	0	0	2	2
6	Theory	SCY31106	Generic Elective Chemistry I	3	1	0	4	4
7	Practical	SCY31206	Generic Elective Chemistry Lab I	0	0	4	4	2
8	Practical	BSCE31201	Surveying Lab	0	0	4	4	2
9	Practical	BSCE31203	Engineering Graphics	0	0	4	4	2
			Total	18	4	12	34	28

1stYear – SEMESTER II								
Sl.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits

1	Theory	SEN31102	Environmental Physics and Chemistry	4	0	0	4	4
2	Theory	BSCE31102	Ecology and Biodiversity	4	0	0	4	4
3	Theory	BSCE31104	Environmental Pollution, Monitoring and Management	4	0	0	4	4
4	Theory	SCY31108	Generic Elective Chemistry II	3	1	0	4	4
5	Practical	SCY31208	Generic Elective Chemistry II Lab	0	0	4	4	2
6	Practical	SEN31202	Environmental Chemistry Lab	0	0	4	4	2
7	Practical	BSCE32202	Ecology and Pollution Monitoring Lab	0	0	4	4	2
8	Theory	BSCE32106	AECC-2 (Environmental Science)	2	0	0	2	2
			Total	17	1	12	30	24

2ndYear – SEMESTER III								
Sl. No.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Theory	BSCE32101	Climatology, Meteorology and Climate Change	3	1	0	4	4
2	Theory	BSCE32103	Environmental Hydraulics	4	0	0	4	4
3	Theory	BSCE32105	Water Resources Engineering	4	0	0	4	4
4	Theory	BSCE32107/ BSCE32109	SEC A1 Environmental Design, Structure and Construction OR SEC A2 Soil Engineering and Land Management	2	0	0	2	2
5	Theory	SEN32101/ SEN32103	GE Zoology I or Geography I	3	1	0	4	4
6	Practical	SEN32201/ SEN32203	GE Zoology Lab I or Geography I	0	0	4	4	2
7	Practical	BSCE32205	Environmental Hydraulics Lab	0	0	4	4	2
8	Practical	BSCE32207	CAD Lab	0	0	4	4	2
			Total	16	2	12	30	24

2ndYear - SEMESTER IV

Sl. No.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Theory	BSCE32102	Natural Resource Management and Sustainability	4	0	0	4	4
2	Theory	BSCE32104	Health, Safety and Environment	4	0	0	4	4
3	Theory	BSCE32106	Concepts of Green Engineering	4	0	0	4	4
4	Theory	BSCE32108/ BSCE32110	SEC B1 Environmental Law, Economics and Statistics OR SEC B2 Conservation Biology	2	0	0	2	2
5	Theory	SEN32102/ SEN32104	GE Zoology II or Geography II	3	1	0	4	4
6	Practical	SEN32202/ SEN32204	GE Zoology Lab II or Geography Lab II	0	0	4	4	2
7	Practical	BSCE32202	Health, Safety & Environment Lab	0	0	4	4	2
8	Practical	BSCE32204	Concepts of Green Engineering Lab	0	0	4	4	2
			Total	17	1	12	30	24

#Summer Internship / Environment Camp for 30 days will be taken at the end of 4th semester and will be evaluated in the 5th semester.

3rdYear - SEMESTER V

Sl.No .	Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Theory	BSCE33101	Integrated Impact Assessment	4	0	0	4	4
2	Theory	BSCE33103/ BSCE33105	DSE I 1. Remote Sensing and GIS 2. Environmental Biochemistry and Biotechnology	4	0	0	4	4
3	Theory	BSCE33107/ BSCE33109	DSE II 1.Solid Waste Management 2.Waste Water Engineering	4	0	0	4	4
4	Practical	BSCE33201	Environmental System and Simulation Lab	0	0	4	4	2
5	Practical	BSCE33203/ BSCE33205	DSE I Lab 1. Remote Sensing and GIS 2. Environmental Biochemistry and Biotechnology	0	0	4	4	2
6	Practical	BSCE33207/ BSCE33209	DSE II Lab 1.Solid Waste Management 2.Waste Water Engineering	0	0	4	4	2
7	Practical	BSCE33301	Waste Management Site Visit	0	0	0	0	2
8	Practical	BSCE33303	Summer Internship / Environment Camp	0	0	0	0	2
			Total	12	0	12	24	22

3rdYear - SEMESTER VI								
Sl. No.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Theory	BSCE33102/ BSCE33104	DSE III 1. Environmental Health and Toxicology 2. Hazards and Disaster Management	4	0	0	4	4
2	Theory	BSCE33106/ BSCE33108	DSE IV 1. Estimating and Costing 2. Sewerage System and Management	4	0	0	4	4
3	Practical	BSCE33202/ BSCE33204	DSE III Lab 1. Environmental Health and Toxicology 2. Hazards and Disaster Management	0	0	4	4	2
4	Practical	BSCE33206/ BSCE33208	DSE IV Lab 1. Estimating and Costing 2. Sewerage System and Management	0	0	4	4	2
5	Practical	BSCE33402	Project Work	0	0	20	20	10
6	Practical	BSCE33404	Project Dissertation & Viva Voce	0	0	0	0	2
7	Practical	BSCE33502	Comprehensive Viva	0	0	0	0	4
			Total	8	0	28	36	28

Total Credits Distribution Semester wise:

Semester	I	II	III	IV	V	VI	Total Credits
Credits	28	24	24	24	22	28	150