

Master of Technology in Environmental Engineering and Management

Department of Civil Engineering

The overall credits structure

Category	PC	PE	OC	Total
Credits	39	9	6	54

Program Core

CVD720	Major Thesis Part-I	0	0	12	6
CVD721	Major Thesis Part-II	0	0	24	12
CVD726	Minor Project	0	0	6	3
CVL720	Air Pollution and Control	3	0	0	3
CVL721	Solid Waste Engineering	3	0	0	3
CVL722	Water Engineering	3	0	0	3
CVL723	Wastewater Engineering	3	0	0	3
CVL724	Environmental Systems Analysis	3	0	0	3
CVL725	Environmental Chemistry and Microbiology	1	0	4	3
Total Credits				39	

CVL820	Environmental Impact Assessment	3	0	0	3
CVL821	Industrial Waste Management and Audit	3	0	0	3
CVL822	Emerging Technologies for Environmental Management	3	0	0	3
CVL823	Thermal Techniques for Waste Management	3	0	0	3
CVL824	Life Cycle Analysis and Design for Environment	3	0	0	3
CVL825	Fundamental of Aerosol: Health and Climate Change	3	0	0	3
CVL826	Quantitative Microbial Risk Assessment	1	0	0	1
CVL827	Environmental Implications of Engineered Nanomaterials	2	0	0	2
CVL828	Water Distribution and Sewerage Network Design	3	0	0	3
CVP820	Advanced Air Pollution Laboratory	1	0	4	3
CVP821	Advanced Water and Wastewater Laboratory	1	0	4	3
CVS720	Independent Study	0	3	0	3

Program Electives

CVL727	Environmental risk assessment	3	0	0	3
CVL728	Environmental Quality Modeling	3	0	0	3
CVL729	Environmental Statistics and Experimental Design	2	0	2	3

Sem.	Courses (Number, abbreviated title, L-T-P, credits)					Lecture courses	Contact h/week				Credits
	L	T	P	Total							
I	CVL725 Environmental Chemistry and Microbiology (1-0-4) 3	CVL722 Water Engineering (3-0-0) 3	CVL720 Air pollution and control (3-0-0) 3	PE-1 (3-0-0) 3 or (2-0-2) 3 or (1-0-4)		4	(8, 10)	0	(4,8)	(14, 16)	12
II	CVL721 Solid Waste Engineering (3-0-0) 3	CVL724 Environmental Systems Analysis (3-0-0) 3	CVL723 Wastewater Engineering (3-0-0) 3	PE-2 (3-0-0) 3 or (2-0-2) 3 or (1-0-4)	OE-1 (3-0-0) 3	5	(13, 15)	0	(0,4)	(15, 17)	15
Summer	CVD726 Minor project (0-0-6) 3										3
III	CVD800 Major Thesis Part-I (0-0-12) 6			PE-3 (3-0-0) 3 or (2-0-2) 3 or (1-0-4)	OE-2 (3-0-0) 3	2	(4,6)	0	(12, 16)	(18, 20)	12
IV	CVD801 Major Thesis Part-II (0-0-24) 12					0	0	0	24	24	12

Total = 54