

Master of Technology in Transportation Engineering

Department of Civil Engineering

The overall credits structure

Category	PC	PE	OC	Total
Credits	36	18	0	54

Including 6 Credits of Restricted Electives

Program Core

CVD853	Major Project Part-I	0	0	18	9
CVD854	Major Project Part-II	0	0	24	12
CVL740	Pavement Materials and Design of Pavements	3	0	2	4
CVL741	Urban and Regional Transportation Planning	3	0	2	4
CVL742	Traffic Engineering	3	0	2	4
CVS852	Advanced Topics in Transportation Engineering	0	0	6	3
Total Credits				36	

Program Electives

CVL743	Airport Planning and Design	3	0	0	3
CVL744	Transportation Infrastructure Design	2	0	2	3
CVL745	Modeling of Pavement Materials	2	0	2	3
CVL746	Public Transportation Systems	3	0	0	3
CVL747	Transportation Safety and Environment	3	0	0	3
CVL750	Intelligent Transportation Systems	3	0	0	3
CVL840	Planning and Design of Sustainable Transport Systems	3	0	0	3
CVL841	Advanced Transportation Modelling	2	0	2	3
CVL842	Geometric Design of Roads	2	0	2	3
CVL844	Transportation Infrastructure Management	3	0	0	3
CVL845	Viscoelastic Behavior of Bituminous Materials	3	0	0	3
CVL846	Transportation System Management	3	0	0	3
CVL847	Transportation Economics	3	0	0	3
CVL849	Traffic Flow Modelling	3	0	0	3
CVL850	Transportation Logistics	3	0	0	3
CVL851	Special Topics in Transportation Engineering	3	0	0	3
CVS754	Independent Study	0	3	0	3

Restricted Electives (6 Credits)

CVL763	Analytical & Numerical Methods in Structural Engineering	3	0	0	3
CVL729	Environmental Statistics and Experimental Design	2	0	2	3
MCL761	Probability and Statistics	3	0	0	3
CVL731	Optimization Techniques in Water Resources	3	0	0	3
CVS753	Minor Project in Transportation Engineering	0	0	6	3

Sem.	Courses (Number, abbreviated title, L-T-P, credits)					Lecture courses	Contact h/week				Credits
	L	T	P	Total							
I	CVL741 Urban & Regional Transport Planning (3-0-2) 4	CVL740 Pavement Materials and Design of Pavements (3-0-2) 4	CVL742 Traffic Engineering (3-0-2) 4	RE-1* (3-0-0 or 2-0-2) 3			Min. 11 Max. 12	0	Min. 6 Max. 8	18	15
II	PE-1 (2-0-2) 3	PE-2 (2-0-2) 3	PE-3 (2-0-2) 3	RE-1# (3-0-0 or 2-0-2) 3			Min. 8 Max. 9		Min. 6 Max. 8	12	12
Summer	CVS852 Advanced Topics in Transportation Engineering (0-0-6) 3										3
III	PE-4 (2-0-2) 3	CVD853 Major Project Part-I (0-0-18) 9					0	0	6	6	12
IV	CVD854 Major Project Part-II (0-0-24) 12						3	0	18	24	12

* Should be listed in restricted elective course category.

Any course (relevant to research area) offered in that semester with consent of thesis supervisor. Alternatively minor project can be opted.

Total = 54