

# Master of Technology in Geotechnical and Geoenvironmental Engineering

Department of Civil Engineering

## The overall credits structure

Category	PC	PE	OE	Total
Credits	36	12	0	48

### Program Core

CVD800	Major Project Part-I	0	0	12	6
CVD801	Major Project Part-II	0	0	24	12
CVL700	Engineering Behaviour of Soils	3	0	0	3
CVL701	Site Investigation and Foundation Design	3	0	0	3
CVL702	Ground Improvement and Geosynthetics	3	0	0	3
CVL703	Geoenvironmental Engineering	3	0	0	3
CVP700	Soil Engineering Lab	0	0	6	3
CVP800	Geoenvironmental and Geotechnical Engg. Lab	0	0	6	3
<b>Total Credits</b>				<b>36</b>	

### Program Electives

CVD700	Minor Project	0	0	6	3
CVL704	Finite Element Method in Geotechnical Engg.	3	0	0	3
CVL705	Slopes and Retaining Structures	3	0	0	3
CVL706	Soil Dynamics and Earthquake Geotechnical Engineering	3	0	0	3
CVL707	Soil-Structure Interaction Analysis	3	0	0	3
CVL708	Geotechnology of Waste Disposal Facilities	3	0	0	3
CVL709	Offshore Geotechnical Engineering	3	0	0	3
CVL800	Emerging Topics in Geotechnical Engineering	3	0	0	3
CVL801	Constitutive Modelling in Geotechnics	3	0	0	3
CVS800	Independent Study	0	3	0	3

Sem.	Courses (Number, abbreviated title, L-T-P, credits)					Lecture courses	Contact h/week				Credits
							L	T	P	Total	
I	CVL700 Engineering Behaviour of Soils (3-0-0) 3	CVL701 Site Investigation and Foundation Design (3-0-0) 3	CVP700 Soil Engineering Lab (0-0-6) 3	PE-1 (3-0-0) 3		3	9	0	6	15	12
II	CVL702 Ground Improvement and Geosynthetics (3-0-0) 3	CVL703 Geoenvironmental Engineering (3-0-0) 3	CVP800 Geoenvironmental and Geotechnical Engg. Lab/ CVD700 Minor Project (for Part Time Students) (0-0-6) 3	PE-2 (3-0-0) 3	PE-3 (3-0-0) 3	4	12	0	6	18	15
Summer											
III	CVD800 Major Project Part-I (0-0-12) 6	PE-4 (3-0-0) 3				1	3	0	12	15	9
IV	CVD801 Major Project Part-II (0-0-24) 12					0	0	0	24	24	12

**Total = 48**