

Master of Technology in Structural Engineering, (CES)

Welcome to all of you for the M.Tech program in Structural Engineering at Civil Engineering Department of IIT Delhi.

Course structures:

1st Sem: 4 core + 1 program elective; 2nd Sem: 4 core + 1 program elective; 3rd sem: 2 program electives + MTP part-1; 4th Sem: MTP part-2

The overall credits structure

Category	PC	PE	OC	Total
Credits	42	12	0	54

Program Core

CVD757	Major Project Part-I (CES)	0	0	18	9
CVD758	Major Project Part-II (CES)	0	0	18	9
CVL756	Advanced Structural Analysis	3	0	0	3
CVL757	Finite Element Methods in Structural Engineering	2	0	2	3
CVL758	Solid Mechanics in Structural Engineering	3	0	0	3
CVL759	Structural Dynamics	3	0	0	3
CVL760	Theory of Concrete Structures	3	0	0	3
CVL761	Theory of Steel Structures	3	0	0	3
CVL762	Earthquake Analysis and Design	3	0	0	3
CVP756	Structural Engineering Laboratory	0	0	6	3
Total Credits				42	

Program Electives

CVD756	Minor Project in Structural Engineering	0	0	6	3
CVL763	Analytical and Numerical Methods for Structural Engineering	3	0	0	3
CVL764	Blast Resistant Design of Structures	2	0	2	3
CVL765	Concrete Mechanics	3	0	0	3
CVL766	Design of Bridge Structures	3	0	0	3

CVL767	Design of Fiber Reinforced Composite Structures	3	0	0	3
CVL768	Design of Masonry Structures	3	0	0	3
CVL769	Design of Tall Buildings	3	0	0	3
CVL770	Prestressed and Composite Structures	2	0	2	3
CVL856	Strengthening and Retrofitting of Structures	3	0	0	3
CVL857	Structural Safety and Reliability	3	0	0	3
CVL858	Theory of Plates and Shells	3	0	0	3
CVL859	Theory of Structural Stability	3	0	0	3
CVL860	Advanced Finite Element Method and Programming	2	0	2	3
CVL861	Analysis and Design of Machine Foundations	2	0	2	3
CVL862	Design of Offshore Structures	3	0	0	3
CVL863	General Continuum Mechanics	3	0	0	3
CVL864	Structural Health Monitoring	2	0	2	3
CVL865	Structural Vibration Control	3	0	0	3
CVL866	Wind Resistant Design of Structures	3	0	0	3
CVS756	Independent Study (CES)	0	3	0	3
CVL771	Advanced Concrete Technology	3	0	0	3
CVL873	Fire Engineering and Design	3	0	0	3
CVL779	Formwork for Concrete Structures	3	0	0	3

This semester:

Courses will be online. Check IIT Delhi email regularly for update. Live Classes will be organized over Moodle or Impartus or MS teams. For lecture notes or videos you should check Moodle, Impartus.

	Course code	Faculty	Slot
core	CVL756	Suresh Bhalla	H
core	CVL757	Anoop Krishnan	D
core	CVL758	G.S. Benipal	J
core	CVL759	Arnab Banerjee	A
elective	CVL764	Vasant Matsagar	C
elective	CVL765	Shashank Bishnoi	F
elective	CVL766	Supratic Gupta	B
elective	CVL771	Supratic Gupta	C
elective	CVL857	Sahil Bansal	F

Any problem regarding registration please email: drpgs@admin.iitd.ac.in