Course Structure

The two-year program leading to award of Master of Technology in Structural Engineering Design aims to train students in practical art and philosophy of structural design. The SED program focuses on building professional capacities and therefore, they are concentrated on 'studios' wherein all students work on live projects and come up with their own transformed structural systems, analysis and design.

Total: 80 credits
Studio: 12 credits each, Mandatory courses: 3 credits each.
Thesis/DRP: 14 credits
Others (Electives + SWS): 12 credits

SEM	STUDIOS (12 Credits)	MANDATORY COURSE (2 Credits each)
1	Structural forms and Materials	• Advanced methods of structural analysis • Evaluation of failures, repairs and rehabilitation of structures • Communication and Writing.
2	Design of reinforced concrete structures	• Earthquake engineering • Wind Engineering • Advanced Geotechnical engineering
3	Design of steel structures	• Design of Chimneys • Design of Silos • Design of Liquid retaining structures.
4	• Design of Bridges and /or • Parametric Modelling and Design of Long Span Structures	