

Programs:

- Evening Program (Thesis)
- Weekend Program (Thesis or Non-Thesis)

Program Mission:

â€œTo impart high quality Civil and Structural Engineering education through modern teaching and research for the national and international socio-economic developmentâ€

Program Objectives:

- To enable the Structural Engineering graduates to provide proficiency in the advanced (in-depth) knowledge to formulate, analyse and solve the problems related to Structural Engineering.
- To enable the Structural Engineering graduates to integrate and build on the program's core curricular concepts in the pursuit of professional leadership, teamwork, life-long learning, and successful career advancement.
- To expose the Structural Engineering graduates to the latest innovations and trends to inculcate strong research orientation in structural engineering as well as in multidisciplinary fields of civil engineering.

Core Courses

Course Code	Courses Title	Credit Hours
STE-501	Advanced Structural Analysis	3+0
STE-602	Advanced Reinforced Concrete Design	3+0
STE-603	Advanced Structural Materials	3+0
STE-504	Prestressed Concrete	3+0
STE-505	Design of Steel and Composite Structures	3+0
STE-506	Seismic Analysis and Design of Structures	3+0

Elective Courses

Course Code	Courses Title	Credit Hours
STE-507	Bridge Engineering	3+0
STE-609	Theory of Plates and Shells	3+0
STE-511	Stability of Structures	3+0
STE-612	Advanced Structural dynamics	3+0
STE-513	Seismology and Earthquake Engineering	3+0
STE-514	Seismic Design of Masonry Structures	3+0
STE-615	Structural Optimization	3+0
STE-616	Fracture Mechanics of Concrete	3+0
STE-517	Advanced Concrete Technology	3+0
GTE-601	Advanced Soil Mechanics	3+0
GTE-602	Advanced Foundation Engineering	3+0
GTE-505	Geotechnical Investigation	2+1
GTE-509	Geoenvironmental Engineering	3+0
HIE-601	Hydraulic Structures	3+0
HIE-503	Hydro Power Engineering	3+0
HIE-504	Irrigation & Drainage Engineering	3+0
HIE-511	Application of RS & GIS in Civil Engineering	2+1
TE-503A	Pavement Analysis and Design	3+0
TE-505A	Airport Planning and Design	3+0
TE-506A	Advanced Railway Engineering	3+0
TE-510A	Highway Construction Materials	3+0

	and Equipment	
STE-699	Research Thesis	0+6