

Master of Science in Civil Engineering Technology

Program Code	134	Minimum Duration	4 Semesters, 2 Years
Number Of Courses	9-12	Maximum Duration	14 Semesters, 7 Years
Credit Hours	33-36	Minimum CGPA Required To Earn Degree	2.50

PROGRAM OBJECTIVES:

To escort the graduates in continual learning by pursuing advanced degrees or additional educational opportunities through conducting innovating research, prepare them to develop team work and have excellent interpersonal communication skills.

ELIGIBILITY :

Candidate having 16 years of education in B-Tech/BSc Engineering Technology in relevant field with 2.00 CGPA on the scale of 4.00 in semester system or at least 50% marks in annual system from any recognized institute/university is eligible to apply.

Applicant need to pass GAT (General) to be conducted by NTS/ETEA/any Registered Testing Agency or University, with at least 50% cumulative score and to clear departmental interview at the time of admission. .

PROGRAM OUTCOMES:

After completion of MS Program, Scholars will be able:

- Excel professionally in the field of Civil Technology by planning, designing, constructing and operating inter-disciplinary projects of civil works.
- Attain optimum level of technical expertise and impart efficient managerial skills imbibed with team work abilities.
- Take-up any challenging task by utilizing time and resources along with their technical creativity and proactive approach in order to play leading role in organization, and displaying high moral and ethical standards.
- Will be able to meet the industrial requirements by providing innovative and comprehensive solution.

SEMESTER 1

Course Code	Course Title	Cr. Hrs. 9
	Core -I	3-0
	Core -II	3-0
	Elective I	3-0

SEMESTER 2

Course Code	Course Title	Cr. Hrs. 9
	Core -III	3-0
	Core -IV	3-0
	Elective II	3-0

SEMESTER 3

Course Code	Course Title	Cr. Hrs. 9
	Core -V	3-0
	Core -VI	3-0
RES 585	*Applied Research Methods	3-0

SEMESTER 4

Course Code	Course Title	Cr. Hrs. 9
Plan A: MS with Research Work		
RES 690	Research Thesis	6-0
Plan B: MS with Course Work		
	Elective III	3-0
	Elective IV	3-0
	Elective V	3-0

SPECIALIZATIONS OFFERED

Civil Engineering Technology

LIST OF CORE COURSES

Course Code	Course Title	Cr. Hrs.
CT 501	Advanced Properties of Concrete	3-0
CT 502	Water & Sanitation Technology	3-0
CT 503	Environmental Audit & Assessment	3-0
CT 504	Advanced Structural Technology	3-0
CT 505	Soil Improvement Techniques	3-0
CT 506	Geometrics & Safety of Highways	3-0
CT 507	Pavement Construction & Maintenance	3-0
CT 508	Management in Construction	3-0
CT 509	Health & Safety in Construction	3-0
CT 510	Estimation & Costing Practice	3-0
CT 511	Advanced Reinforced Concrete	3-0
CT 512	Soil Technology	3-0
CT 513	Ground Water Hydrology	3-0
CE573	Introduction to Unsaturated Soil Mechanics	3-0