



**The 4+1 Program Study Plan Form (3 Options) for
B.S./M.ENG Degrees in Department of Civil and Environmental Engineering**

Name:			
	First	MI	Last
Address			
Student ID #		Phone	
Email			
Degree Program		Concentrated Area	
Faculty Advisor			
Faculty Advisor's Signature		Date	
COURSE NAME	CREDITS	SEMESTER/YEAR	
General Core Courses for ME Required by SOE (9 credits¹)			
CEGR 514 Environmental Impact and Risk Assessment	3	/	
EEGR 505 Advanced Engineering Mathematics with Computational Methods	3	/	
IEGR 512 Advanced Project Management	3	/	
Suggested Core Courses from a CE Track (9 credits²)			
CEGR TTT	3	/	
CEGR TTT	3	/	
CEGR TTT	3	/	
Elective Courses (9 credits^{3&4})			
CEGR YYY	3	/	
CEGR YYY	3	/	
CEGR YYY	3	/	
Take One of Three Plans A, B or C below (3 credits each⁵)			
Plan A: Project Report, CEGR795 Project Report	3	/	
Plan B: Thesis, CEGR799 Thesis Defense ⁵	3	/	
Plan C: Courses only, CEGR YYY elective	3	/	
Total Credits for Each Option		30	

Note: One may take Plan A, B or C with a total of 30 credits.

1. Three CEGR XXX elective undergraduate courses will be replaced with CEGR 514, EEGR 505 and IEGR 512.
2. One has to take 3 CEGR TTT as track suggested core courses.
3. One may take two courses from a different track as a minor.
4. One can take up to one non-CEGR YYY elective with advisor's approval.
5. One may be encouraged to take 6 credits hours of CEGR 790 for Thesis Option.

Example for a student's track on Geotechnical Engineering with Plan A:

**The 4+1 Program Study Plan Form (3 Options) for
Master of Engineering in Department of Civil and Environmental Engineering**

Name:			
	First	MI	Last
Address			
Student ID #		Phone	
Email			
Degree Program	Master of Engineering	Concentrated Area	<i>Geotechnical Engineering</i>
Faculty Advisor			
Faculty Advisor's Signature		Date	
COURSE NAME	CREDITS	SEMESTER/YEAR	
General Core Courses for ME Required by SOE (9 credits¹)			
CEGR 514 Environmental Impact and Risk Assessment	3	Fall /2023	
EEGR 505 Advanced Engineering Mathematics with Computational Methods	3	Fall/2023	
IEGR 512 Advanced Project Management	3	Spring/2024	
Suggested Elective Courses from a CE Track (9 credits²)			
CEGR 731 Advanced Soil Mechanics I	3	Fall/2023	
CEGR 745 Advanced Analysis of Slope Stability	3	Spring/2024	
CEGR 748 Design of Pile Foundation	3	Spring/2024	
Elective Courses (9 credits^{3 & 4})			
CEGR 743: Finite Element Method in Geomechanics	3	Fall/2024	
CEGR 687: Groundwater Hydrology	3	Fall/2024	
CEGR 742: Geographic Information System (GIS) Modeling in Raster	3	Fall/2024 or Spring 2025	
Take One of the Three Plans A, B or C Below (3 credits⁵)			
Plan A: Project Report, CEGR795 Project Report (3)	3	Fall/2024	
Plan B: Thesis, CEGR 797/799 Thesis Defense ⁵	3	N/A	
Plan B: Courses only, CEGR YYY(3) CE electives	3	N/A	
Total Credits for Each Option	30		

Note: One may take Plan A, B or C with a total of 30 credits.

1. Three CEGR XXX undergraduate elective courses will be replaced with CEGR 514, EEGR 505 and IEGR 512.
2. One has to take 3 CEGR courses as track suggested core courses.
3. One may take two courses from a different track as a minor.
4. One can take up to one non-CEGR elective with advisor's approval.
5. One may be encouraged to take 6 credits hours of CEGR 790 for Thesis Option.