

Engineering
Structural Engineering

Study Program : Master
Study Plan Type : Thesis
Academic Year : 2021

The requirements to obtain a Master degree is :-

*** The minimum requirements to get a Master degree in / Structural Engineering / is to pass 34 credit hours, according to this study plan.**

*** The credit hours are distributed to get a Master degree as follows :-**

Number of credit hours	
Specialization Requirments	25.000
Compulsory	16.000
Elective	9.000
Thesis	9.000
Compulsory	9.000
Elective	0.000
Total :	34.000

Specialization Requirments Credit Hours : 25
Requirement type : Compulsory Credit Hours :16

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2104011701	Finite Element Method in Structural Engineering	3.000	3.000	0.000		in class
2104011702	Plastic Behavior and Design of Steel Structures	3.000	3.000	0.000		in class
2104011703	Advanced Structural Dynamics	3.000	3.000	0.000		in class
2104011704	Advanced Theory of Concrete Structures	3.000	3.000	0.000		in class
2104011705	Earthquake Structural Engineering	3.000	3.000	0.000	2104011703	in class
2104011797	Seminar	1.000	1.000	0.000		in class

Specialization Requirments Credit Hours : 25
Requirement type : Elective Credit Hours :9

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2104011706	Advanced Numerical Analysis	3.000	3.000	0.000		
2104011707	Theory of Plates and Shells	3.000	3.000	0.000		
2104011708	Theory of Elasticity	3.000	3.000	0.000		
2104011709	Geotechnical Aspects of Earthquake Engineering	3.000	3.000	0.000		
2104011710	Structural Stability	3.000	3.000	0.000		in class
2104011711	Bridge Engineering	3.000	3.000	0.000		in class
2104011712	Advanced Foundation Engineering	3.000	3.000	0.000		
2104011713	Composite Structures	3.000	3.000	0.000		in class
2104011714	Advanced Concrete Technology and Materials	3.000	3.000	0.000		in class
2104011715	Advanced Special Topics in Civil Engineering	3.000	3.000	0.000		in class

Thesis Credit Hours : 9
Requirement type : Compulsory Credit Hours :9

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2104011799	Thesis	9.000	9.000	0.000		in class

Thesis Credit Hours : 9
Requirement type : Elective Credit Hours :0

المجموعة الاولى يختار الطالب 0 ساعات كحد أقصى من

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2104013799	Thesis	3.000	0.000	0.000		blended learning
2104016799	Thesis	6.000	0.000	0.000		blended learning
2104019799	Thesis	0.000	0.000	0.000		in class