

Engineering
Smart And Secure Computer Engineering Systems

Study Program : Master
Study Plan Type : Thesis
Academic Year : 2022

The requirements to obtain a Master degree is :-

* The minimum requirements to get a Master degree in / Smart And Secure Computer Engineering Systems / 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
2204081701	Advanced Computer Architecture	3.000	3.000			
2204081702	Artificial Intelligence and Machine Learning	3.000	3.000			in class
2204081703	Advanced Computer Security	3.000	3.000			in class
2204081704	Advanced Computer Networks	3.000	3.000			in class
2204081705	Programming and Algorithms	3.000	3.000			in class
2204081706	Seminar in Computer Engineering	1.000	0.000	2.000		

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

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2204081707	Special Topics in Artificial Intelligence	3.000	3.000		2204081702	
2204081708	Computer Vision and Robotics	3.000	3.000			in class
2204081709	Big Data Analytics	3.000	3.000			in class
2204081710	Optimization Methods	3.000	3.000			
2204081711	Advanced Cryptography	3.000	3.000			
2204081712	Modeling and Simulation	3.000	3.000			
2204081713	Digital Forensics	3.000	3.000			
2204081714	Software Security	3.000	3.000		2204081703	
2204081715	Advanced Wireless Networks	3.000	3.000			
2204081716	Cloud Computing and Datacenter Networks' Technologies	3.000	3.000		2204081704 AND 2204081705	
2204081718	Embedded Systems and the Internet of Things (IoT)	3.000	3.000			
2204081719	Parallel Computing	3.000	3.000		2204081701	
2204081720	Hardware Security	3.000	3.000			
2204081721	Advanced Topics in Computer Engineering	3.000	3.000			

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

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2204081799	thesis	9.000	0.000	0.000		

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

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Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2204083799	thesis	3.000	0.000	0.000		
2204086799	thesis	6.000	0.000	0.000		
2204089799	thesis	0.000	0.000	0.000		