

Information Systems Engineering.

Study Plan

Third Cycle (Doctorate Degree)

S: Semester, Y: Year, T: Theory, L: Laboratory, P: Practice, H: Hour

Please, click on the courses for more information.

2020/2021 Course List

1st Semester

Code	Name	Type of Course Unit	Language	T	L	P	H	ECTS
FBE601	Scientific Research Methods and Publication Ethics (ue)	Compulsory Course	Turkish	3	0	0	3	6
FBE611	Phd Seminar I	Compulsory Course	Turkish	0	0	2	2	4
FBE620	Specialization Field Course	Compulsory Course	Turkish	3	0	0	3	0
BTM601	Advanced Topics In Discrete Mathematics	Compulsory Course	Turkish	3	0	0	3	10
Total ECTS credits for Compulsory Course								20
BTM609	Augmented and Virtual Reality Applications	Elective Course Group I	Turkish	3	0	0	3	8
BTM611	High Performance Computing With Cuda	Elective Course Group I	Turkish	3	0	0	3	8
BTM607	Robot Vision	Elective Course Group I	Turkish	3	0	0	3	8
BTM605	47/5000 Applied Game Theory and Mechanism Design	Elective Course Group I	Turkish	3	0	0	3	8

BTM603	<u>Database Security and Privacy</u>	Elective Course Group I	Turkish	3	0	0	3	8
BTM613	<u>Artificial Intelligence Ethics</u>	Elective Course Group I	Turkish	3	0	0	3	8
At least 10 ECTS courses will be selected			Total ECTS credits for Elective Course Group I					10
Total ECTS for 1st Semester								30
2nd Semester								
Code	Name	Type of Course Unit	Language	T	L	P	H	ECTS
FBE612	<u>Phd Seminar II</u>	Compulsory Course	Turkish	0	0	2	2	4
Total ECTS credits for Compulsory Course								4
BTM604	<u>Risk Analysis For Information and Systems Engineering</u>	Elective Course Group II	Turkish	3	0	0	3	8
BTM612	<u>Special Topics In Information Systems Engineering</u>	Elective Course Group II	Turkish	3	0	0	3	8
BTM608	<u>Big Data Analytics and Management</u>	Elective Course Group II	Turkish	3	0	0	3	8
BTM606	<u>3d Graphics and Computer Animation For Game Design</u>	Elective Course Group II	Turkish	3	0	0	3	8
BTM602	<u>Parallel and Distributed Numerical Algorithms and Tools</u>	Elective Course Group II	Turkish	3	0	0	3	8
BTM610	<u>Body-centered Wireless Communication Systems</u>	Elective Course Group II	Turkish	3	0	0	3	8

At least 26 ECTS courses will be selected					Total ECTS credits for Elective Course Group II					26
Total ECTS for 2nd Semester										30
3rd Semester										
Code	Name	Type of Course Unit	Language	T	L	P	H	ECTS		
FBE621	<u>Doctoral Qualification</u>	Compulsory Course	Turkish	0	0	0	0	30		
Total ECTS credits for Compulsory Course										30
Total ECTS for 3rd Semester										30
4th Semester										
Code	Name	Type of Course Unit	Language	T	L	P	H	ECTS		
FBE622	<u>Phd Thesis Proposal</u>	Compulsory Course	Turkish	0	0	0	0	30		
Total ECTS credits for Compulsory Course										30
Total ECTS for 4th Semester										30
5th Semester										
Code	Name	Type of Course Unit	Language	T	L	P	H	ECTS		
FBE641	<u>Phd Thesis</u>	Compulsory Course	Turkish	0	0	0	0	30		
Total ECTS credits for Compulsory Course										30
Total ECTS for 5th Semester										30

6th Semester									
Code	Name	Type of Course Unit	Language	T	L	P	H	ECTS	
FBE641	<u>Phd Thesis</u>	Compulsory Course	Turkish	0	0	0	0	30	
Total ECTS credits for Compulsory Course									30
Total ECTS for 6th Semester									30
7th Semester									
Code	Name	Type of Course Unit	Language	T	L	P	H	ECTS	
FBE641	<u>Phd Thesis</u>	Compulsory Course	Turkish	0	0	0	0	30	
Total ECTS credits for Compulsory Course									30
Total ECTS for 7th Semester									30
8th Semester									
Code	Name	Type of Course Unit	Language	T	L	P	H	ECTS	
FBE641	<u>Phd Thesis</u>	Compulsory Course	Turkish	0	0	0	0	30	
Total ECTS credits for Compulsory Course									30
Total ECTS for 8th Semester									30
Common Course of University									
Common Course of Institute of Natural and Applied Sciences									
Course of Information Systems Engineering.									