

PİRİ REİS UNIVERSITY
FACULTY OF ENGINEERING
INFORMATION SYSTEMS ENGINEERING
PROGRAMME CURRICULUM

As proposed in the Faculty Board Meeting No. 2021-03/01 on 10 August 2021 and approved in the University Senate Meeting No. 2021-13/01 on 28 September 2021.

1st SEMESTER

Course Code	Course Name	T	A	L	C	ECTS	Prerequisite
MATH 112	Mathematics I	3	2	0	4	6	
MATH 113	Linear Algebra	2	1	0	2.5	4	
PHYS 112	Physics I	3	0	0	3	4	
PHYS 112L	Physics I Lab.	0	0	2	1	1	
ISE 111	Introduction to Information Systems Engineering	2	1	0	2.5	5	
ISE 112	Computer Programming I	3	0	2	4	7	
TUR C01	Turkish Language I	2	0	0	2	2	
ELECT 111	Elective Course	2	1	0	2.5	3	
Total		17	4	4	21.5	32	

2nd SEMESTER

Course Code	Course Name	T	A	L	C	ECTS	Prerequisite
MATH 122	Mathematics II	3	2	0	4	6	
PHYS 122	Physics II	3	0	0	3	4	
PHYS 122L	Physics II Lab.	0	0	2	1	1	
ISE 121	Computer Programming II	3	0	2	4	7	
ENG 126	Discrete Mathematics	3	0	0	3	4	
EEE 127	Fundamentals of Electronic Circuits	2	1	0	2.5	3	
ENG 127	English for Academic Purpose I	1	2	0	2	2	
ELECT 121	Elective Course	2	1	0	2.5	3	
TUR C02	Turkish Language II	2	0	0	2	2	
CAR C01	Career Planning	1	0	0	1.0	0	
Total		20	6	4	25.0	32	

3rd SEMESTER

Course Code	Course Name	T	A	L	C	ECTS	Prerequisite
ENG 215	Differential Equations	4	0	0	4	5	MATH 122
EEE 212	Digital Design	3	1	1	4	7	EEE 127
ISE 211	Object-Oriented Programming	3	0	2	4	7	ISE 121
ISE 212	GUI Programming	3	0	2	4	6	
ENG 217	English for Academic Purpose II	2	1	0	3	3	
ATA C01	Ataturk Principles and History of Rev. I	2	0	0	2	2	
Total		17	2	5	20.5	30	

4th SEMESTER

Course Code	Course Name	T	A	L	C	ECTS	Prerequisite
ENG 316	Probability and Statistics	3	0	0	3	4	
ISE 221	Data Structures	3	0	2	4	7	ISE 211
ISE 222	Computer Networks and Internet	3	0	0	3	6	
ISE 223	Computer Architecture	3	0	0	3	5	EEE 212
ELECT 221	Elective Course	2	1	0	2.5	3	
ELECT 222	Elective Course	2	0	0	2	3	
ATA C02	Ataturk Principles and History of Rev. II	2	0	0	2	2	ATA C01
ISE S01	Internship	0	0	0	0	3	
Total		18	1	2	19.5	33	

Total Credits For Academic Years 1 and 2 : 86,5 Total ECTS: 127

T: Theoretical course A: Application, L: Laboratory C: Local Credit

ECTS: European Credit Transfer System Credits

5th SEMESTER

Course Code	Course Name	T	A	L	C	ECTS	Prerequisite
ISE 311	Database Management Systems	3	0	2	4.0	7	
ISE 312	Algorithms	4	0	0	4	6	ISE 221
ISE 313	Web Programming	3	0	2	4	6	
ISEL 311	Technical Elective Course	3	0	0	3	5	
ELECT 311	Elective Course	2	0	0	2	3	
ELECT 312	Elective Course	2	1	0	2.5	3	
Total		17	1	4	19.5	30	

6th SEMESTER

Course Code	Course Name	T	A	L	C	ECTS	Prerequisite
ISE 321	System Analysis and Design	3	2	0	4	6	
ISE 322	Operating Systems	3	2	0	4	7	
ISE 323	Cyber Security	3	0	0	3	5	
ISEL 322	Technical Elective Course	3	0	0	3	5	
ELECT 321	Elective Course	2	0	0	2	3	
ELECT 322	Elective Course	2	0	0	2.0	3	
ENG 328	Project Management and Organization	2	0	0	2.0	2	
ISE02	Internship	0	0	0	0	3	ISE S01
Total		18	4	0	20.0	34	

7th SEMESTER

Course Code	Course Name	T	A	L	C	ECTS	Prerequisite
ISE 411	Dissertation Project I	1	2	2	3	10	Being a 4th year student
ISEL 412	Technical Elective Course	3	0	0	3	5	
ISEL 413	Technical Elective Course	3	0	0	3	5	
ENG 411	Occupational Health and Safety	2	0	0	2	3	
ELECT 411	Elective Course	3	0	0	3	5	
Total		12	2	2	14	28	

8th SEMESTER

Course Code	Course Name	T	A	L	C	ECTS	Prerequisite
ISE 421	Dissertation Project II	1	2	2	3	10	ISE 411
ISEL 422	Technical Elective Course	3	0	0	3	5	
ISEL 423	Technical Elective Course	3	0	0	3	5	
ELECT 421	Elective Course	3	0	0	3	5	
ELECT 424	Elective Course	0	2	0	1	2	
Total		10	4	2	13	27	

Total Credits For Years 3 and 4 : 66,5 Total ECTS: 119

T: Theoretical course A: Application, L: Laboratory C: Local Credit

ECTS: European Credit Transfer and Accumulation System Credits

Total Local Credits : 153 Total ECTS Credits: 246