

ISTINYE UNIVERSITY FACULTY OF ENGINEERING
DEPARTMENT OF COMPUTER ENGINEERING

1. SEMESTER COURSE PLAN (Fall)

Code	Course	T	P	ECTS	Language Of Instruction
ENS101	Calculus I	2	2	5	EN
ENS103	Computational Thinking	3	2	6	EN
ENS105	Physics 1	4	1	6	EN
ENS107	Computer Literacy	2	2	4	EN
ENS111	Occupational Health and Safety 1	2	0	2	EN
TRK101	Turkish Language 1	2	0	2	TR
ENS109	Engineering Design	3	0	4	EN
Total		18	7	29	

3. SEMESTER COURSE PLAN (Fall)

Code	Course	T+P	ECTS	Language Of Instruction	
COE201	Problem Solving with Computers in C	3	2	7	EN
COE207	Principles of Artificial Intelligence	3	2	7	EN
ENS205	Human Body	2	2	4	EN
DIL101	General English 1	2	0	2	EN
ATA101	Ataturk's Principles and History of Revolution 1	2	0	2	TR
ENS206	Digital Logic Design	3	2	7	EN
SEG001	Manifest of Istinye 1	0	1	1	EN
Total		15	9	30	

5. SEMESTER COURSE PLAN (Fall)

Code	Course	T+P	ECTS	Language Of Instruction	
COE301	Data Structures and Algorithms	3	2	7	EN
COE303	Operating Systems	3	1	7	EN
ENS305	Machine Learning	3	2	6	EN
	Department Elective Course	2	2	5	EN
	University Elective Course	2	2	5	EN
Total		13	9	30	

7. SEMESTER COURSE PLAN (Fall)

Code	Course	T+P	ECTS	Language Of Instruction	
COE401	Capstone Project 1	3	2	8	EN
COE405	Summer Internship	0	2	2	EN
SEG003	Manifest of Istinye 3	0	1	1	EN
	Department Elective Course	2	2	5	EN
	Department Elective Course	2	2	5	EN
	Department Elective Course	2	2	5	EN
	Department Elective Course	2	2	5	EN
	University Elective Course	2	2	5	EN
Total		9	11	31	

Code	DEPARTMENT ELECTIVES	T+P	ECTS	Language Of Instruction	
COE001	Directed Research	2	2	5	EN
COE002	Engineering Ethics	2	2	5	EN
COE003	Biomedical Imaging	2	2	5	EN
COE004	Cyber-Physical Systems and Security	2	2	5	EN
COE005	Advanced Cryptography	2	2	5	EN
COE006	Theoretical Computer Science	2	2	5	EN
COE007	Computer Security	2	2	5	EN
COE008	Computer Graphics	2	2	5	EN
COE009	Mobile Application Development	2	2	5	EN
COE010	Hardware Software Interfaces	2	2	5	EN
COE011	Parallel Computing	2	2	5	EN
COE012	Data Mining	2	2	5	EN
COE013	Database Systems	2	2	5	EN
COE014	Introduction to Robotics	2	2	5	EN
COE015	Biological and Artificial Vision	2	2	5	EN
COE018	Neuromorphic Engineering	2	2	5	EN
COE019	Graph Algorithms	2	2	5	EN

2. SEMESTER COURSE PLAN (Spring)

Code	Course	T
ENS104	Computational Mathematics	3
ENS102	Linear Algebra with Applications	2
ENS108	Computer Aided Design	2
ENS106	Physics 2	4
ENS110	Calculus 2	2
TRK102	Turkish Language 2	2
ENS112	Occupational health and Safety	2
Total		17

4. SEMESTER COURSE PLAN (Spring)

Code	Course	T+P
COE202	Problem Solving with Computers in C++	3
ENS202	Probability and Statistics	3
ENS204	Signals and Systems	3
DIL102	General English 2	2
ATA102	Ataturk's Principles and History of Revolution 2	2
ENS207	Digital System Design	3
SEG002	Manifest of Istinye 2	0
Total		16

6. SEMESTER COURSE PLAN (Spring)

Code	Course	T+P
COE308	Programming Languages	3
ENS304	Microprocessor System Design	3
ENS306	Computer Architecture	3
	Department Elective Course	2
	Department Elective Course	2
Total		13

8. SEMESTER COURSE PLAN (Spring)

Code	Course	T+P
COE402	Capstone Project 2	3
SEG004	Manifest of Istinye 4	0
	Department Elective Course	2
	Department Elective Course	2
	Department Elective Course	2
	University Elective Course	2
Total		11

Code	UNIVERSITY ELECTIVES	T+A
UNI 001	Alternative and Renewable Energy	2
UNI 002	Introduction to Anthropology	2
UNI 003	Nutrition Misconceptions	2
UNI 004	Introduction to Modern Art	2
UNI 005	Digital Media Literacy	2
UNI 006	Entrepreneurship in Dietetics	2
UNI 007	Intellectual History	2
UNI 008	Rhetoric and Diction	2
UNI 009	Rhetoric and Presentation Techniques	2
UNI 010	Introduction to Philosophy	2
UNI 011	Introduction to New Media	2
UNI 012	Convincing and Effective Communication	2
UNI 013	Communication Methods	2
UNI 014	Sign Language	2
UNI 015	Preventive Healthcare and Health Literacy	2
UNI 016	Leadership Strategies	2
UNI 017	Logistics Management	2
UNI 018	Media Literacy	2
UNI 019	Entrepreneurship	2
UNI 020	Psychological Skills	2
UNI 021	Public Speaking	2
UNI 022	Health Economics	2
UNI 023	Healthy Life and Physical Activity	2
UNI 024	Technological Conversion in Turkish Defense Industry	2
UNI 025	Introduction to Sociology	2
UNI 026	International Organisations	2
UNI 027	Management Skills	2
UNI 028	Introduction to Optimisation	2
UNI 029	Monumental Architecture of Istanbul	2

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		T	P		
ENS101	Calculus I	2	2	5	EN
ENS103	Computational Thi	3	2	6	EN
ENS105	Physics 1	4	1		EN
ENS107	Computer Literac	2	2	4	EN
ENS111	Occupational Hea	2	0	2	EN
	Turkish Language	2	0		
ENS109	Engineering Desigr	3	0	4	
		18	7	21	

COE201	Problem Sc	3	2	7	EN
COE207	Principles c	3	2	7	EN
ENS205	Human Bo	2	2	4	EN
DIL101	General En	2	0	2	EN
		2	0		
ENS206	Digital Logi	3	2	7	
		0	1		EN
		15	9	27	

COE301	Data Struci	3	2	7	EN
COE303	Operating	3	1	7	EN
ENS305	Machine Learning	3	2	6	EN
		2	2		EN
	University	2	2		
		13	9	20	

COE401	Capstone F	3	2	8	EN
COE405	Summer Ir	0	2	2	EN
SE002	Manifest of Istinye	2	1	1	EN
		2	2		EN
		2	2		EN
	Department	2	2	5	EN
	University	2	2	5	EN
		9	11	21	

COE001	Directed Research	2	2	5	EN
COE002	Engineering Ethics	2	2	5	EN
COE003	Biomedical Imagin	2	2	5	EN
COE004	Cyber-Physical Sys	2	2	5	EN
COE005	Advanced Cryptog	2	2	5	EN

COE006	Theoretical Comp	2	2	5	EN
COE007	Computer Security	2	2	5	EN
COE008	Computer Graphic	2	2	5	EN
COE009	Mobile Application	2	2	5	EN
COE010	Hardware Softwa	2	2	5	EN
COE011	Parallel Computing	2	2	5	EN
COE012	Data Mining	2	2	5	EN
COE013	Database Systems	2	2	5	EN
COE014	Introduction to Ro	2	2	5	EN
COE015	Biological and Artif	2	2	5	EN
COE018	Neuromorphic Eng	2	2	5	EN
COE019	Graph Algorithms	2	2	5	EN

		T	P		
ENS104		3	2	6	EN
ENS102	Linear Algebra with	2	2	5	EN
ENS108	Computer Aided Design	2	2	5	EN
ENS106	Physics 2	4	1		EN
ENS110	Calculus 2	2	2	5	EN
	Turkish Language	2	0		
ENS112	Occupational Health	2	0		
		17	9	21	

COE202	Problem Solving with	3	2	7	EN
ENS202	Probability and Statistics	3	2	6	EN
ENS204	Signals and Systems	3	2	7	EN
DIL102	General English 2	2	0	2	EN
		2	0		
ENS207	Digital System Design	3	2	6	EN
		0	1		EN
		16	9	28	

COE308	Programming Language	3	2	6	EN
ENS304	Microprocessor	3	2	6	EN
ENS306	Computer Architecture	3	2	7	EN
		2	2		EN
	Department	2	2		
		13	10	19	

COE402	Capstone Project	3	2	8	EN
SEG004	Manifesto	0	1	1	EN
		2	2		EN
	Department	2	2	5	EN
	University	2	2	5	EN
		11	11	19	

2	2
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2	2
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