

**DEPARTMENT OF COMPUTER ENGINEERING**

<b>CURRENT CURRICULUM (1. Year 1. Semester )</b>								
Code	Course Name	T	U	S	K	AKTS		
PHY 1301	Physics-I	2	2	4	3	5		
CSE 1131	Molecular Biology for Computer Scientists	3	0	3	3	5		
MTH 1301	Mathematics-I	4	0	4	4	6		
CSE 1141	Introduction to Computer Engineering	2	0	2	2	3		
CSE 1133	Introduction to Programming	3	2	5	4	7		
ENG 1135	Professional English I	2	0	2	2	4		
Semester Credit Sum:		16	4	20	18	30		

<b>CURRENT CURRICULUM (1. Year 2. Semester )</b>								
Code	Course Name	T	U	S	K	AKTS		
PHY 1304	Physics-II	2	2	4	3	5		
MTH 1302	Mathematics-II	4	0	4	4	6		
ENG 1122	Linear Algebra	2	0	2	2	2		
CSE 1124	Object Oriented Programming	3	2	5	4	7		
CSE 1112	Discrete Structures	3	0	3	3	5		
ENG 3100	Engineering Management and Ethics	2	0	2	2	3		
SEC 1000	Non-technical Elective	2	0	2	2	2		
Semester Credit Sum:		18	4	22	20	30		

CURRENT CURRICULUM (2. Year 1. Semester )								
Code	Course Name	T	U	S	K	AKTS		
MTH 2301	Differential Equations	4	0	4	4	6		
CSE 2105	Data Structures	3	2	5	4	7		
CSE 2101	Electrical Circuits and Electronics	3	2	5	4	7		
TUR 1111	Turkish-I	2	0	2	2	2		
HIS 1101	Atatürk's Principles and History of Revolution-I	2	0	2	2	2		
CSE 2113	Formal Languages and Abstract Machines	3	0	3	3	5		
ENG 2115	Social Responsibility Project	1	0	1	1	1		
Semester Credit Sum:		18	4	22	20	30		

CURRENT CURRICULUM (2. Year 2. Semester )								
Code	Course Name	T	U	S	K	AKTS		
ENG 3120	Statistics	3	0	3	3	4		
CSE 2122	Design and Analysis of Algorithms	3	0	3	3	5		
CSE 2134	Logic Design	3	2	5	4	6		
TUR 1112	Turkish-II	2	0	2	2	2		
HIS 1102	Atatürk's Principles and History of Revolution-II	2	0	2	2	2		
CSE 1001	Non-technical Elective	2	0	2	2	2		
CSE 2118	Programming Languages	3	0	3	3	5		
CSE 2142	Summer Practice	0	0	0	0	4		
Semester Credit Sum:		18	2	20	19	30		

CURRENT CURRICULUM (3. Year 1. Semester )								
Code	Course Name	T	U	S	K	AKTS		
CSE 3131	Computer Organization	3	0	3	3	6		
CSE 3133	Database Management Systems	3	0	3	3	6		
CSE 3137	Object Oriented Analysis and Design	3	0	3	3	6		
CSE 3141	Technical Elective Courses (3)	9	0	9	9	12		
Semester Credit Sum:		18	0	18	18	30		

CURRENT CURRICULUM (3. Year 2. Semester )								
Code	Course Name	T	U	S	K	AKTS		
CSE 3124	Operating Systems	3	0	3	3	5		
CSE 3134	Microprocessor and Embedded Systems	3	2	5	4	6		
CSE 3136	Computer Networks	3	0	3	3	5		
CSE 3244	Technical Elective Courses (3)	9	0	9	9	12		
CBU 4405	Job Safety and Workers' Health-I	2	0	2	2	2		
Semester Credit Sum:		20	2	22	21	30		

CURRENT CURRICULUM (4. Year 1. Semester )								
Code	Course Name	T	U	S	K	AKTS		
ENG 4127	Graduation Project-I	3	0	3	3	4		
CSE 4123	Software Engineering	3	0	3	3	8		
CSE 4245	Technical Elective Courses (4)	12	0	12	12	16		
CBU 4406	Job Safety and Workers' Health-II	2	0	2	2	2		
Semester Credit Sum:		20	0	20	20	30		

CURRENT CURRICULUM (4. Year 2. Semester )								
Code	Course Name	T	U	S	K	AKTS		
CSE 4100	Industrial Applications Training	3	0	3	3	26		
CSE 4128	Graduation Project-II	3	0	3	3	4		
Semester Credit Sum :		6	0	6	6	30		

## Technical Electives

Code	Course Name	T	U	K	Akts
CSE 3213	Artificial Intelligence	3	0	3	4
CSE 3214	Introduction to Digital Image Processing	3	0	3	4
CSE 3215	Functional Programming	3	0	3	4
CSE 3216	Simulation and Modelling	3	0	3	4
CSE 3217	Automata Theory	3	0	3	4
CSE 3218	Prolog Programming and Expert Systems	3	0	3	4
CSE 3219	Computer Graphics	3	0	3	4
CSE 3220	Machine Learning	3	0	3	4
CSE 3221	Distributed Systems and Algorithms	3	0	3	4
CSE 3222	Data Mining	3	0	3	4
CSE 3223	Web Programming	3	0	3	4
CSE 3224	Wireless Sensor Networks	3	0	3	4
CSE 3225	Mobile Computing with ios and Android	3	0	3	4
CSE 3226	Knowledge Engineering and Ontologies	3	0	3	4
CSE 3227	Biologically Inspired Algorithms	3	0	3	4
CSE 3228	Artificial Neural Networks	3	0	3	4
CSE 3229	Introduction to Robotics	3	0	3	4
CSE 3230	Compiler Design	3	0	3	4
CSE 3231	System Programming	3	0	3	4
CSE 3232	Semantic Web Technologies	3	0	3	4
CSE 3233	Computer Network Programming	3	0	3	4
CSE 3234	Game Programming	3	0	3	4
CSE 3235	Gpgpu Programming	3	0	3	4
CSE 3236	Human - Computer Interaction Design	3	0	3	4
CSE 3237	Parallel Programming	3	0	3	4
CSE 3238	Software Testing	3	0	3	4
CSE 3239	Numerical Analysis for Computer Engineers	3	0	3	4
CSE 3240	Network Security	3	0	3	4
CSE 3241	Foundations of E-commerce	3	0	3	4
CSE 3242	Advanced Database Management Systems	3	0	3	4
CBU 4401	Giriřimcilik	4	0	4	5
CSE 3207	.Net Programming	3	0	3	4
CSE 3209	.Net Web Programming	3	0	3	4
CSE 3211	Advanced Computer Networks	3	0	3	4