

- Computer Engineering Undergraduate Program Curriculum:

First Year Fall Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
CMP1001	Introduction to Computer Engineering	0(2,0)	2	-
CMP1003	Introduction to Computer Systems and Algorithms	3(2,2)	4	-
ENG1003	Communications Skills and Academic Reporting I	3(2,2)	4	-
MAT1033	Discrete Mathematics	3(3,0)	4	-
MAT1051	Calculus I	4(3,2)	7	-
PHY1001	Physics I	4(3,2)	7	-
TLL1003	Turkish Language and Literature I	0(2,0)	2	-

First Year Spring Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
CMP1002	Introduction to Programming (C++)	3(2,2)	6	CMP1003
CMP1004	Introduction to Digital Logic	3(2,2)	4	MAT1033
ENG1004	Communication Skills and Academic Reporting II	3(2,2)	4	ENG1003
MAT1052	Calculus II	4(3,2)	7	MAT1051
PHY1002	Physics II	4(3,2)	7	PHY1001
TLL1004	Turkish Language and Literature II	0(2,0)	2	TLL1003

Second Year Fall Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
CMP2003	Data Structures and Algorithms (C++)	4(3,2)	7	CMP1002
CMP2005	Object Oriented Programming (C++)	3(2,2)	6	CMP1002
CMP2007	Digital System Design	3(2,2)	6	CMP1004
MAT2061	Differential Equations	3(3,0)	5	MAT2041
HST1001	Atatürk's Principles and History of Turkish Republic I	0(2,0)	2	-
	GE-Elective	3(3,0)	4	

Second Year Spring Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
CMP2004	Advanced Programming	3(2,2)	5	CMP2003
CMP2006	Electronics for Computer Engineers	4(3,2)	7	MAT2061
CMP2204	Introduction to Computer Networks	3(2,2)	5	CMP1003
HST1002	Atatürk İlkeleri ve Türkiye Cumhuriyeti Tarihi II	0(2,0)	2	HST1001
MAT2026	Probability and Statistic	3(3,0)	6	MAT1051
MAT2042	Linear Algebra	3(3,0)	5	-

Third Year Fall Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
CMP3003	Computer Organization	3(3,0)	5	CMP2007
CMP3005	Analysis of Algorithms	4(3,2)	6	CMP2003
CMP3011	Formal Languages and Automata Theory	3(3,0)	6	CMP1002
CMP3013	Database Management Systems	4(3,2)	7	MAT1033
MAT3044	Numerical Methods for Engineers	4(3,2)	5	MAT2061

Third Year Spring Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
CMP3006	Signals and Systems for Computer Engineers	4(3,2)	7	MAT2061
CMP3012	Operating Systems	3(3,0)	6	CMP1002
CMP3022	Software Engineering Analysis and Design	3(3,0)	7	CMP2005 ve CMP3013
CMP3034	Embedded Systems Programming	3(2,2)	6	CMP2007
	GE-Elective	3(3,0)	4	

Fourth Year Fall Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
CMP4995	Summer Training	0(0,0)	2	-
CMP4997	Capstone Project I	3(3,0)	6	CMP3022
ENR4001	Engineering Economy	3(3,0)	4	-
	Departmental Elective	3(3,0)	6	-
	Departmental Elective	3(3,0)	6	-
	Departmental Elective	3(3,0)	6	-

Fourth Year Spring Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
CMP4998	Capstone Project II	3(2,2)	8	CMP4997
ENR4002	Non-Technical Aspects of Engineering	2(2,0)	4	-
	Departmental Elective	3(3,0)	6	-
	Departmental Elective	3(3,0)	6	-
	Departmental Elective	3(3,0)	6	-

CMP4995 (Summer Training):

The summer training is 40 working days and students who complete the prerequisite courses are eligible to take this course.