

1. Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/ Elective	ECTS
SEC 1	Elective Course	-	Elective	7,5
SEC 2	Elective Course	-	Elective	7,5
SEC 3	Elective Course	-	Elective	7,5
MATH 501	Analytical Methods in Engineering	3+0+0	Compulsory	7,5
2. Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/ Elective	ECTS
CENG 580	Seminar	0+0+0	Compulsory	3,0
NAS 522	Scientific Research Methods and Ethics	3+0+0	Compulsory	4,5
SEC 4	Elective Course	-	Elective	7,5
SEC 5	Elective Course	-	Elective	7,5
SEC 6	Elective Course	-	Elective	7,5
3. Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/ Elective	ECTS
CENG 590	Thesis Study	0+0+0	Compulsory	30,0
4. Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/ Elective	ECTS
CENG 590	Thesis Study	0+0+0	Compulsory	30,0
ELECTIVE COURSES				
Course Code	Course Name	T+A+L	Compulsory/ Elective	ECTS
CENG 501	Advanced Computer Networks	3+0+0	Elective	7,5
CENG 502	Advanced Java Programming	3+0+0	Elective	7,5
CENG 503	Advanced Databases	3+0+0	Elective	7,5
CENG 505	Advanced Algorithm Analysis	3+0+0	Elective	7,5
CENG 521	Object Oriented Design and Programming	3+0+0	Elective	7,5
CENG 522	Cyber security	3+0+0	Elective	7,5
CENG 523	Advanced Operating Systems	3+0+0	Elective	7,5
CENG 525	Introduction to Emerging Technologies	3+0+0	Elective	7,5
CENG 527	Deep Learning	3+0+0	Elective	7,5
CENG 536	Advanced Network Based Programming	3+0+0	Elective	7,5
CENG 537	Secure Programing	3+0+0	Elective	7,5
CENG 538	Information Security	3+0+0	Elective	7,5
CENG 541	Machine Learning	3+0+0	Elective	7,5
CENG 542	Advanced Artificial Intelligence	3+0+0	Elective	7,5
CENG 543	Current Trends in Internetwork Technologies	3+0+0	Elective	7,5
CENG 544	Big Data Analysis	3+0+0	Elective	7,5
CENG 545	Penetration Testing	3+0+0	Elective	7,5
CENG 546	Advanced Computer Architectures	3+0+0	Elective	7,5
CENG 551	Optimization	3+0+0	Elective	7,5
CENG 553	Parallel and Cluster Computing	3+0+0	Elective	7,5
CENG 554	Introduction to Broad Band Cellular Communication Systems (4G/5G/6G)	3+0+0	Elective	7,5
CENG 555	Cloud Computing	3+0+0	Elective	7,5