			F	FIRST YE	AR				
First Sen	nester		SU	ECTS	1	Semester		SU	ECTS
IF	100	Computational Approaches to Problem Solvi	3		AL	102	Academic Literacies	3	
MATH	101	Calculus I	3		MATH	102	Calculus II	3	
NS	101	Science of Nature I	4		NS	102	Science of Nature II	4	
SPS	101	Humanity and Society I	3		SPS	102	Humanity and Society II	3	
TLL	101	Turkish Language and Literature I	2		TLL	102	Turkish Language and Literature II	2	
HIST	191	Principles of Atatürk and the History of the T	2		HIST	192	Principles of Atatürk and the History of the Tur	2	
CIP	101	Civic Involvement Projects I	0	1		-9-	Timespies of Talatan and the Thistory of the Tur	_	
		Total Credit	17	30			Total Credit	17	2
	_		S	SECOND Y	VEAR	_		-	
Third Se	mester		SU	ECTS		Semester		SU	ECTS
DSA	210	Introduction to Data Science	3		MATH	202	Differential Equations	3	
PROJ	201	Undergraduate Project Course	1		MAT	204	Electrical, Optical and Magnetic Proper	3	
ENS	205	Introduction to Materials Science	3		NS	218	Fundamentals of Nanoscience	3	
ENS	202	Thermodynamics	3		ENS	209	Introduction to Computer Aided Drafting and S	3	
MATH	_	Linear Algebra / Introduction to Probability	3		MAT	206	Kinetics of Materials	3	
ENS	204	Mechanics	3	6		_00	Timetics of Fattering	J	
21.0		Total Credit	16	31	1		Total Credit	15	3
									- 0
			Т	THIRD YE	AR				
Fifth Ser	nester		SU	ECTS	Sixth S	emester		SU	ECTS
MAT	312	Materials Characterization	4	7	HUM	20X	Major Works	3	
MAT	314	Mechanical Properties of Materials	3		MAT	306	Computational Techniques for Materials at the	3	
CHEM	405	Electrochemistry	3	6	MAT	307	Composite Materials	3	
CHEM	301	Inorganic Chemistry	3	6	ENRG	322	Battery Science and Engineering	3	
MAT	305	Polymer Engineering I	3	5	i	Elective		3/4	. 6/
		Total Credit	16	29			Total Credit	15/16	28/2
PROJ	395	5 Internship Project	0	5					
				FOURTH					
	Semester		SU	ECTS		emester		SU	ECTS
SPS	303	Law and Ethics	3		ENS	492	Graduation Project (Implementation)	3	
ENS	491	Graduation Project (Design)	1		MAT	406	Nanoengineered Systems Fabrication	3	
MAT	408	Introduction to Ceramics	3	5	MAT	405	Advanced Materials Characterization	4	
ME	301	Mechanical Systems	3	6		Elective		3	5/
		Cell Design, Modelling and Battery							
ENRG	424	Pack Development	3	6		Elective		3/4	. 6/
	Elective		3/4	6/7	7				
		Total Credit	16/17	30-31			Total Credit	15/17	27/3

Recommended electives:

IE 309	Manufacturing Processes
IE 402	Integrated Manufacturing Sys.
IE 416	Additive Manufacturing
MAT 402	Polymer Engineering II
ME 302	Mechanical Systems II
ME 303	Control System Design
ME 415	Comp. Analysis & Simulation

(at least two to complete track)