Physics Double Major Course List												
Pi	hysics Curriculum		Equivalent must courses in	CS students must take	Equivalent must courses in the EE	EE students must take	Equivalent must courses in the IE	IE students must take	Equivalent must courses in the ME	ME students must take	Equivalent must courses in the MATH	MATH students must take
			the CS	Total: 13	curriculum	Total: 9	curriculum	Total: 12	curriculum	Total: 9	curriculum	Total: 14
	First Year											
Course Code		Credit			Mark 10 classes							
CHEM 101	Principles of Chemistry I	4		Required	Math/Science Elective			Required		Required		Required
ENG 101	English and Composition I	3	Common		Common		Common		Common		Common	
GE 100	Orientation	1	Common		Common		Common		Common		Common	
MATH 101 PHYS 101	Calculus I General Physics I	4	Common Common		Common Common		Common Common		Common Common		Common Common	
	Orientation for											Boots to 1
PHYS 120 TURK 101	Physics Majors Turkish I	1 2	GE 301 Common		GE 301 Common		GE 301 Common		GE 301 Common		Common	Required
TORK TOT	TURISITI	-	Common		Common		Common		Common		Common	
	Introduction to											
CS 113	Computing for Engineers	4	CS 101		CS 101		Common		Common		Common	
ENG 102	English and	3	Common		Common		Common		Common		Common	
MATH 102	Composition II Calculus II	4	Common		Common		Common		Common		Common	
PHYS 102	General Physics II	4	Common		Common		Common		Common		Common	
PHYS 124	Freshman Project	2	ENG 401		ENG 401		ENG 401		ENG 401			Demiced
TURK 102	Turkish II	2	Common		Common		Common		Common		Common	Required
TOTAL TOE	Turkin	-	Common		Common		Common		Common		Common	
	Second Year											
CHEM 201	Materials Science	3		Required	Basic Engineering			Required	Common			Required
	and Technology				Elective							
GE 250	Collegiate Activities Program I		Common		Common		Common		Common		Common	
HIST 200	History of Turkey	4	Common		Common		Common		Common		Common	
MATH 241	Engineering	4	Math 225		Common		Math 225		Math 220		Math 223	
	Mathematics I Principles of				Math/Science		Breadth Elective					
MBG 105	Biology	3	MBG 110		Elective		(MBG 110)		MBG 110		Common	
	Waves, Fluids and											
PHYS 211	Thermodynamics	4		Required		Required		Required	ME 211			Required
GE 251	Collegiate Activities Program II	1	Common		Common		Common		Common		Common	
	Engineering											
MATH 242	Mathematics II	4		Required	Common			Required	Math 240		Math 240	
PHYS 212	Optics and Modern Physics	4		Required		Required		Required		Required		Required
PHYS 218	Analytical	3		Required		Required		Required	ME 341			Required
	Mechanics											
PHYS 242	Advanced Calculus for Applications in	3		Required		Required		Required		Required	Math 202	
	Physics											
	Elective	3	CS must course		EE must course		IE must course		ME must course		MATH must course	
	Third Year Cultures											
HUM 111	Civilizations and	3	Common		Common		Common		Common		Common	
PHYS 291	Ideas I Summer Practice		CS 299		EE 299		IE 299		ME 299			Required
PHYS 315	Electromagnetic	3		Required	EE 351			Required		Required		Required
PHYS 325	Theory I Quantum	3				Burton						
rn15 325	Mechanics I Numerical Methods	3		Required		Required		Required		Required	ļ	Required
PHYS 371	in Physics	3	CS 471		Unrestricted Elective			Required	ME 361			Required
			CS must	I	EE must		1			I	MATH must	
	Technical Elective	3	course		course		IE must course		ME must course		course	
HUM 112	Cultures Civilizations and	3	Common		Common		Common		Common		Common	
	Ideas II											
PHYS 334	Statistical Physics	3		Required		Required		Required		Required		Required
PHYS 374	Experimental Methods of Physics	4		Required		Required		Required		Required		Required
			CS must		EE must						MATH must	
	Elective	3	course		course		IE must course		ME must course		course	
		3		Required		Required	Breadth Elective (PHYS)			Required		Required
	Physics Elective		1	1			(-1110)					
							IE 477		ME 481		MATH 491	
PHVS 404	Fourth Year		CS 404		EEE 401			1		I	MATH 491 MATH must	
PHYS 491	Fourth Year Senior Project I	3	CS 491 CS must		EEE 491 EE must		1				mo tri i maat	
PHYS 491	Fourth Year	3			EE must course		IE must course		ME must course		course	
PHYS 491	Fourth Year Senior Project I Elective	3	CS must course		EE must		IE must course Soc. Sci. Elect.		Soc. Sci. Elect.		course NonTech El	
PHYS 491	Fourth Year Senior Project I Elective Non Technical	3	CS must course Soc. Sci.	Required	EE must course Soc. Sci.	Required	IE must course Soc. Sci. Elect. Breadth Elective			Required	course	Required
PHYS 491	Fourth Year Senior Project I Elective Non Technical Elective Physics Elective	3 3 3	CS must course Soc. Sci. Elect.	Required	EE must course Soc. Sci. Elect.	Required	IE must course Soc. Sci. Elect. Breadth Elective (PHYS)		Soc. Sci. Elect.	Required	course NonTech El	Required
PHYS 491	Fourth Year Senior Project I Elective Non Technical Elective	3 3 3	CS must course Soc. Sci.	Required	EE must course Soc. Sci.	Required	IE must course Soc. Sci. Elect. Breadth Elective			Required	course	Required
	Fourth Year Senior Project I Elective Non Technical Elective Physics Elective Technical Elective	3 3 3 3	CS must course Soc. Sci. Elect. CS must course	Required	EE must course Soc. Sci. Elect. EE must course	Required	IE must course Soc. Sci. Elect. Breadth Elective (PHYS) IE must course		Soc. Sci. Elect. ME must course	Required	NonTech EI MATH must course	Required
	Fourth Year Senior Project I Elective Non Technical Elective Physics Elective Technical Elective Senior Project II	3 3 3 3	CS must course Soc. Sci. Elect. CS must course	Required	EE must course Soc. Sci. Elect. EE must course EEE 495	Required	IE must course Soc. Sci. Elect. Breadth Elective (PHYS) IE must course IE 478		Soc. Sci. Elect. ME must course ME 482	Required	NonTech EI MATH must course MATH 492	Required
	Fourth Year Senior Project I Elective Non Technical Elective Physics Elective Technical Elective Senior Project II Elective	3 3 3 3	CS must course Soc. Sci. Elect. CS must course CS 492 CS must course	Required	EE must course Soc. Sci. Elect. EE must course EEE 495 EE must course	Required	IE must course Soc. Sci. Elect. Breadth Elective (PHYS) IE must course		Soc. Sci. Elect. ME must course	Required	NonTech EI MATH must course	Required
	Fourth Year Senior Project I Elective Non Technical Elective Physics Elective Technical Elective Senior Project II	3 3 3 3	CS must course Soc. Sci. Elect. CS must course CS 492 CS must	Required	EE must course Soc. Sci. Elect. EE must course EEE 495 EEE must	Required	IE must course Soc. Sci. Elect. Breadth Elective (PHYS) IE must course IE 478		Soc. Sci. Elect. ME must course ME 482	Required	MATH must course MATH 492 MATH must	Required
	Fourth Year Senior Project I Elective Non Technical Elective Physics Elective Technical Elective Senior Project II Elective Elective Elective	3 3 3 3 3	CS must course Soc. Sci. Elect. CS must course CS 492 CS must course Soc. Sci. Elect. CS must course Soc. Sci. Elect. CS must	Required	EE must course EE must course EEE 495 EE must course EEE 50. Sci. Elect.	Required	IE must course Soc. Sci. Elect. Breadth Elective (PHYS) IE must course IE 478 IE must course Soc. Sci. Elect.		Soc. Sci. Elect. ME must course ME 482 ME must course Soc. Sci. Elect.	Required	MATH must course MATH must course MATH must course MATH must course NonTech EI MATH must	Required
PHYS 491 PHYS 492	Fourth Year Senior Project I Elective Non Technical Elective Physics Elective Technical Elective Senior Project II Elective Non Technical	3 3 3 3 3 3	CS must course Soc. Sci. Elect. CS must course CS 492 CS must course Soc. Sci. Elect.	Required	EE must course EE must course EEE 495 EEE must course EEE must course Soc. Sci.	Required	IE must course Soc. Sci. Elect. Breadth Elective (PHYS) IE must course IE 478 IE must course		Soc. Sci. Elect. ME must course ME 482 ME must course	Required	course NonTech EI MATH must course MATH must course MATH must course NonTech EI	Required