

MS in PHYSICS (WITH THESIS) PROGRAM OUTCOMES		NATIONAL QUALIFICATIONS OF RELATED FIELD*															
		NATURAL SCIENCES															
		A1	A2	B1	B2	B3	C1	C2	C3	D1	E1	E2	E3	E4	F1	F2	F3
1	Develop the ability to use critical, analytical, and reflective thinking and reasoning	x		x		x	x			x							x
2	Reflect on social and ethical responsibilities in his/her professional life.														x		
3	Gain experience and confidence in the dissemination of project/research outputs									x							
4	Work responsibly and creatively as an individual or as a member or leader of a team and in multidisciplinary environments.		x						x							x	
5	Communicate effectively by oral, written, graphical and technological means and have competency in English.									x		x					
6	Independently reach and acquire information, and develop appreciation of the need for continuously learning and updating.				x		x										
7	Design and model engineering systems and processes and solve engineering problems with an innovative approach.	x							x							x	
8	Establish experimental setups, conduct experiments and/or simulations.	x							x								
9	Analytically acquire and interpret data.	x															
10	Display knowledge of contemporary issues in physics and apply them to specific problems in the field of study.	x		x												x	
11	Interpret and criticize newly developed theoretical models and experimental results in a particular field in physics.							x								x	x
12	Display a good command of scientific literature in physics for developing novel projects, improving the quality of research and products.	x		x		x											
13	Apply knowledge of mathematics to analyze experimental results and to solve problems in physics.	x		x													

\* Please check <http://tyyc.yok.gov.tr/> for the list of national qualifications.

**A:** KNOWLEDGE, Theoretical & Factual

**B:** SKILL, Cognitive & Applied

**C:** COMPETENCY, Working Independently & Taking Responsibility

**D:** COMPETENCY, Ability to Learn

**E:** COMPETENCY, Communication & Social Competencies

**F:** COMPETENCY, Field Specific