

MS in MATHEMATICS (WITH THESIS) PROGRAM OUTCOMES		NATIONAL QUALIFICATIONS OF RELATED FIELD*																				
		MATHEMATICS AND STATISTICS																				
		A1	A2	B1	B2	B3	B4	C1	C2	C3	D1	D2	D3	D4	E1	E2	E3	E4	F1	F2	F3	F4
1	Develop the ability to use critical, analytical, and reflective thinking and reasoning	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				
5	Communicate effectively by oral, written, graphical and technological means and have competency in English.												x									
6	Independently reach and acquire information, and develop appreciation of the need for continuously learning and updating.							x			x								x			
7	Develop abstract mathematical thinking and mathematical intuition.	x		x																		
8	Demonstrate a broad understanding of several areas of advanced mathematics and of their interrelations.	x		x																		
9	Have knowledge of the fundamental and advanced concepts, principles and techniques from a range of topics.	x		x																		
10	The ability to tackle complex problems, reveal structures and clarify problems, discover suitable analytical and/or numerical methods and interpret solutions.					x																
11	Analyze problems of the area of specialization, plan strategies for their solution, and apply notions and methods of abstract and/or applied mathematics to solve them.					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