MS in DATA ANALYTICS (NON THESIS) PROGRAM OUTCOMES		NATIONAL QUALIFICATIONS OF RELATED FIELD*																																										
		ENGINEERING																														COMPUTER												
		A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	E1	E2	E3	E4	E5	E6	E7	E8	F1	F2	F3	F4	A1	A2	B1	B2	B3	C1	D1	C3	D1	E1	E2	E3	F1
1	Develop the ability to use critical, analytical, and reflective thinking and reasoning	x			x		x	x	x		x					x		x	x				x			x	x					x	x	x										
2	Reflect on social and ethical responsibilities in his/her professional life.																					x						x															x	x
3	Gain experience and confidence in the dissemination of project/research outputs																			x											x											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												x							x							x							
5	Communicate effectively by oral, written, graphical and technological means and have competency in English.																			x											x										x			
6	Independently reach and acquire information, and develop appreciation of the need for continuously learning and updating.		x		x		x	x										x							x	x														x				
7	Design and model engineering systems and processes and solve engineering problems with an innovative approach.	x	x	x		x	x	x			x	x	x	x			x	x	x				x	x	x				x					x	x									
8	Establish experimental setups, conduct experiments and/or simulations.		x	x		x	x		x			x	x		x		x	x						x	x		x		x						x									
9	Analytically acquire and interpret data.		x	x		x			x			x			x		x							x			x		x						x									
10	Comprehend the conceptual foundations of analytical methods and techniques within the scope of business analytics,		x																							x							x	x										
11	Acquire theoretical and practical knowledge on applied information systems by developing fundamental programming skills,	x									x												x										x	x										
12	Improve decision making by turning high-volume data into useful information and integrating data analysis tools,				x											x																	x	x	x									
13	Turn high-volume data into useful information by using quantitative models and understanding and managing data analysis techniques, communicate and visualize the results for business use,		x		x											x									x							x	x	x	x									
14	Understand the data quality, data integrity and data accuracy concepts, and occupational ethics regarding data privacy and intellectual property.	x									x												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