

Transilvania University of Braşov, Romani

Study program: Quality Management

Faculty: Technological Engineering and Industrial Management

Study period: 2 years (master)

Academic year structure: 2 semesters (14 weeks per semester)

Examination sessions (two): winter session (January/February)
summer session (June/July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

1st Year

No. crt.	Course	Code	1 st Semester					2 nd Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Management of industrial and research projects	IT.MC.I.01.01	2	-	1	1	4	-	-	-	-	-
02	Risk management	IT.MC.I.01.02	2	-	1	1	5	-	-	-	-	-
03	Quality management system	IT.MC.I.01.03	2	-	1	1	5	-	-	-	-	-
04	Probability and applied statistics	IT.MC.I.01.04	2	2	-	-	4	-	-	-	-	-
05	Academic Integrity and Ethics	IT.MC.I.01.05	1	1	-	-	2	-	-	-	-	-
06	Quality audit and certification	IT.MC.I.02.06	-	-	-	-	-	2	-	1	1	6
07	Environmental quality management	IT.MC.I.02.07	-	-	-	-	-	2	-	1	-	3
08	Modern control technologies and equipment	IT.MC.I.02.08	-	-	-	-	-	2	-	2	-	4
09	Statistical quality control I	IT.MC.I.02.9	-	-	-	-	-	2	-	2	-	4
10	Reliability	IT.MC.I.02.10	-	-	-	-	-	2	-	2	-	4
11	Practical activities for Design I	IT.MC.I.01.11	-	-	-	10	10	-	-	-	-	-
12	Practical activities for Design II	IT.MC.I.02.12	-	-	-	-	-	-	-	-	6	6

No. crt.	Optional course	Code	1 st Semester					2 nd Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
13*	Measurement Systems Analysis	IT.MC.O.02.13	-	-	-	-	-	1	-	2	-	3
	Using the Computer for Research in Quality Engineering	IT.MC.O.02.14	-	-	-	-	-	1	-	2	-	3

) Note: From pos. 13 one discipline is chosen

2nd Year

No. crt.	Course	Code	3 rd Semester					4 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Statistical quality control II	IT.MC.I.03.01	2	-	2	1	6	-	-	-	-	-
02	Reliability analysis and security systems	IT.MC.I.03.02	2	-	2	-	6	-	-	-	-	-
03	Practical activities for Research and Design I	IT.MC.I.03.03	-	-	-	13	8	-	-	-	-	-
04	Practical activities for Research and Design II	IT.MC.I.04.04	-	-	-	-	-	-	-	-	13	14
05	Dissertation paper elaboration	IT.MC.I.04.05	-	-	-	-	-	-	-	-	12	10

No. crt.	Optional course*	Code	3 rd Semester					4 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
Optional direction 1: Quality management in industrial engineering												
06	Procedures, methods and maintenance systems	IT.MC.O.03.06	2	-	-	1	5	-	-	-	-	-
07	Occupational health and safety management	IT.MC.O.03.07	2	-	1	-	5	-	-	-	-	-
08	Creativity in engineering	IT.MC.O.04.08	-	-	-	-	-	1	-	2	-	6

No. crt.	Optional course*	Code	3 rd Semester					4 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
Optional direction 2: Engineering and Quality management												
09	Testing of industrial products	IT.MC.O.03.09	2	-	1	-	5	-	-	-	-	-
10	Quality management of testing laboratories	IT.MC.O.03.10	2	-	1	-	5	-	-	-	-	-
11	Six Sigma	IT.MC.O.04.11	-	-	-	-	-	1		2	-	6

*) Note: A route is chosen (1 or 2)