Transilvania University of Brașov, Romania

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	1st Semester					2nd 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	1st Semester					2nd 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	3rd Semester					4th 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	3rd Semester					4th 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.0.03.06	2	–	–	1	5	–	–	–	–	–
07	Occupational health and safety management	IT.MC.0.03.07	2	–	1	–	5	–	–	–	–	–
08	Creativity in engineering	IT.MC.0.04.08	–	–	–	–	–	1	–	2	–	6

No. crt.	Optional course*	Code	3rd Semester					4th 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.0.03.09	2	–	1	–	5	–	–	–	–	–
10	Quality management of testing laboratories	IT.MC.0.03.10	2	–	1	–	5	–	–	–	–	–
11	Six Sigma	IT.MC.0.04.11	–	–	–	–	–	1		2	–	6

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