

# Transilvania University of Braşov, 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)

### 1<sup>st</sup> Year

No. crt.	Course	1 <sup>st</sup> Semester					2 <sup>nd</sup> Semester				
		C	S	L	P	Cred	C	S	L	P	Cred
01	Management of industrial and research projects	2	-	1	1	4	-	-	-	-	-
02	Risk management	2	-	1	1	5	-	-	-	-	-
03	Quality management system	2	-	1	1	5	-	-	-	-	-
04	Probability and applied statistics	2	2	-	-	4	-	-	-	-	-
05	Ethics and Academic Integrity	1	1	-	-	2	-	-	-	-	-
06	Quality audit and certification	-	-	-	-	-	2	-	1	1	6
07	Environmental quality management	-	-	-	-	-	2	-	1	-	3
08	Modern control technologies and equipment	-	-	-	-	-	2	-	2	-	4
09	Statistical quality control I	-	-	-	-	-	2	-	2	-	4
10	Reliability	-	-	-	-	-	2	-	2	-	4
11	Practical activities for Design I	-	-	-	10	10	-	-	-	-	-
12	Practical activities for Design II	-	-	-	-	-	-	-	-	6	6
13*	Using the Computer for Research in Quality Engineering	-	-	-	-	-	1	-	2	-	3
	Measurement Systems Analysis	-	-	-	-	-	1	-	2	-	3

\*) Note: From pos. 13\* one discipline is chosen

### 2<sup>nd</sup> Year

No. crt.	Course	3 <sup>rd</sup> Semester					4 <sup>th</sup> Semester				
		C	S	L	P	Cred	C	S	L	P	Cred
01	Statistical quality control II	2	-	2	1	6	-	-	-	-	-
02	Systems reliability and security analysis	2	-	2	-	6	-	-	-	-	-
03	Practical activities for Research and Design I	-	-	-	13	8	-	-	-	-	-
04	Practical activities for Research and Design II	-	-	-	-	-	-	-	-	13	14
05	Dissertation elaboration	-	-	-	-	-	-	-	-	12	10
<b>Optional direction 1: Quality management in industrial engineering</b>											
06	Procedures, methods and maintenance systems	2	-	-	1	5	-	-	-	-	-
07	Occupational health and safety management	2	-	1	-	5	-	-	-	-	-
08	Creativity in engineering	-	-	-	-	-	1	-	2	-	6
<b>Optional direction 2: Engineering and Quality management</b>											
09	Quality management of testing laboratories	2	-	-	1	5	-	-	-	-	-
10	Testing of industrial products	2	-	1	-	5	-	-	-	-	-
11	Six Sigma	-	-	-	-	-	1	-	2	-	6

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