

Transilvania University of Braşov, Romania

Study program: Welding Engineering

Faculty:	Materials Science and Engineering
Study period:	4 years
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
1	Mathematical Analysis	SMAMA1	2	2			4					
2	Computer Basics	SMBUC1	3		1		5					
3	Descriptive Geometry	SMGDE1	2		1		4					
4	Materials science and engineering I	SMINM1	2		1		4					
5	General chemistry	SMCGB1	2		1		4					
6	Materials Technology I	SMTHM1	1		2		3					
7	Physics	SMFIZ1	2		1		4					
8	Materials Technology II	SMTHM2	2		1		5					
9	Materials science and engineering II	SMINM2	2		1		5					
10	Materials Technology II	SMTHM2						2		1		5
11	Materials science and engineering II	SMINM2						2		1		5
12	Linear Algebra, Analytical Geometry and Differential Equation	SMALG1						2	1			4
13	Technical Drawing	SMDEST						1		2		3
14	Numerical methods	SMMEN1						2		2		4
15	Mechanics	SMMEC1						2	1			3
16	Data Processing and Informatic Systems	SMPDS1						2		2		4
17	English language	SMLE01/ SMLE02	1	1			2	1	1			2
18	Physic education	SMEDF01 /SMEDF02			1		1			1		1

2nd Year

No. crt.	Course	Code	3 rd Semester					4 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
1	Special mathematics	SMMSO1	2	1			4					
2	Strength of Materials I	SMRMO1	2	1	1		5					
3	Ecology and environmental protection	SMECOL	2		2		5					
4	Probability theory and statistics	SMTPSM	1		3		4					
5	Technical devices	SMDIST	2		2		5					
6	Dimensional control	SMCODI	3		2		5					
7	Electrotechnics	SMETH1	2		1		4					
8	Quality Control and Assurance	SMASCA						2		2		5

