

# 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)

### 1<sup>ST</sup> Year

No. crt.	Course	Code	1 <sup>st</sup> Semester					2 <sup>nd</sup> 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

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

No. crt.	Course	Code	3 <sup>rd</sup> Semester					4 <sup>th</sup> Semester					
			C	S	L	P	Cred	C	S	L	P	Cred	
1	Special mathematics	SMMS01	2	1			4						
2	Strength of Materials I	SMRM01	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

