

# Transilvania University of Braşov, Romania

## Study program: Engineering and Management of Advanced Metallic, Ceramic and Composite Materials

Faculty: Materials Science and Engineering  
 Study period: 2 years (master) 2019-2020.  
 Academic year structure: 2 semesters (14 weeks per semester)  
 Examination sessions: 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.	Unconventional Technologies	SMTEHN	2		1	1	5					
2.	Advanced Methods of Analysis and Characterization of Materials	SMTAAC	2		2	1	5					
3.	Technologies and Equipment for Rapid Prototyping	SMTEPR	2		1	1	5					
4.	Technical English	SMENGT		2			3					
5.	Ethics and Academic Integrity	SMEIA	1			1	2					
6.	Criterial Choosing of Materials	SMAMAT	1		2		5					
7.	Practical Research Activity 1	SMPRC-1			8		5					
8.	Practical Research Activity 2	SMPRC-2									8	6
9.	Equipment for Unconventional Technologies	SMETN								1	2	5
10.	Recycling of Materials and Environmental Management							2		1	1	5
11.	Technics for Processing of Biocompatible Materials	SMTPB						2		2		5
12.	Synthesis of Nanomaterials and Specific Methods of Characterization (O2)	SMSNMC						2		2	1	5
13.	Thermodynamics and Kinetics of Transformations in Solid State	SMTCTS						2		2		4

