

Transilvania University of Braşov, Romania

Study program: Forest Engineering

Faculty:	Silviculture and Forest Engineering
Study period	4 years (bachelor)
Academic year structure	2 semesters (14 weeks per semester)
Examination sessions (two)	winter session (January/February) Summer session (June)

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
01	Mathematics	MATE	2	2			5					
02	Biostatistics	BIOS	2		2		4					
03	Technical drawing and cartography	GDDT	2		2		4					
04	Forest Informatics	INFF	2		2		5					
05	Biochemistry	BIOCH	2		2		4					
06	Soil Science with elements of Geology and Geomorphology	PEGG	2		2		5					
07	Academic writing	SAC	1				1					
08	Soils and Forest Sites	SSFOR						2		3		5
09	Forest Meteorology and Climatology	METEO						2		2		4
10	Botany	BOT						2		2		4
11	Topography-Geodesy I	TOPO1						2		2		4
12	Dendrology I	DEN1						2		2		5
13	Genetics	GENE						2		1		4
14	Practical Training I	PDS1						60 hours				2
14	English Language	LES1/ LES2	1	1			2	1	1			2
	French Language	LFS1/ LFS2										
	German language	LGS1/LGS2										
	Spanish Language	LSS1/LSS2										
15	Physical training and Sports	EFS1/EFS2		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
01	Game Management	FAUNA	3		3		6					
02	Forest Constructions	CONF	2			2	5					
03	Topography-Geodesy II	TOPO2	1		1		3					
04	GIS	GIS	1		3		5					
05	Dendrology II	DEN2	2		2		5					
06	Forest Entomology	ENTO	2		2		4					
07	Afforestations I	ÎMP1						2		2		4

08	Dendrometry I	DENDR1						2		2		4
09	Forest Ecology	ECOL						2		2		4
10	Forest Products I	PROD1						2		2		4
11	Silviculture I	SILV1						2		2		5
12	Practical Training II	PSS2						90 hours				3
13	General Course of Machines	CGM	2		2			4				
	Mechanics and Strength of materials	MRMS		2								
14	English Language	LES3/ LES4	1	1			2	1	1			2
	French Language	LFS3/ LFS4										
	German language	LGS3/LGS4										
	Spanish Language	LSS3/LSS4										
15	Physical training and Sports	EFS3/EFS4		1			1		1			1

3rd Year

No. crt.	Course	Code	5 th Semester					6 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Forest Management I	AMEN1	2	-	2	-	4	-	-	-	-	-
02	Silviculture II	SILV2	2	-	1	1	5	-	-	-	-	-
03	Forest Products II	PROD2	1	-	2	-	4	-	-	-	-	-
04	Afforestations II	IMP2	2	-	1	1	4	-	-	-	-	-
05	Timber Harvesting Technology I	TEL1	2	-	2	-	4	-	-	-	-	-
06	Forest Management II	AMEN2	-	-	-	-	-	2	-	-	2	5
07	Forest transport infrastructure	PODF	-	-	-	-	-	2	-	-	2	4
08	Cable yarders I	FUNIC1	-	-	-	-	-	2	-	2	-	4
09	Forest Roads I	DRUM1	-	-	-	-	-	2	-	1	-	4
10	Forest Economy and Forest Management	MECFOR	-	-	-	-	-	2	2	-	-	4
11	Practical Training III	PSS3	-	-	-	-	-	90 hours				3
12	Land Survey (Cadastré)	CAD	-	-	-	-	-	1	-	1	-	2
	Forest Railways	CFFOR										
13	CAD Design in Forest Engineering	DISA	1	-	2	-	4	-	-	-	-	-
	Dendrometry II	DENDR2										
14	Equipments for forest constructions	UTICO	2	-	2	-	5	-	-	-	-	-
	Engine for forest constructions	MACO										
15	Electrical applications in forest engineering	UEF	2	-	2	-	4	-	-	-	-	-
	Automation in forest operations	EMAUS										

4th Year

No. crt.	Course	Code	7 th Semester					8 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Timber harvesting mechanization II	TEL2	2	-	-	2	5	-	-	-	-	-
02	Forest Road II	DRUM2	2	-	1	2	5	-	-	-	-	-
03	Timber harvesting mechanization II	MEF2	4	-	4	-	6	-	-	-	-	-
04	Wood Processing Technology	PRELEF	2	-	2	-	5	-	-	-	-	-
05	Cable yarders II	FUNIC2	2	-	1	-	4	-	-	-	-	-

06	Forest Harvesting, Transportation and Construction Enterprises Management	MAFE	1	-	1	-	3	-	-	-	-	-
07	Ergonomics	ERGOS	-	-	-	-	-	2	-	2	-	5
08	Law and Forest Legislation	DLF	-	-	-	-	-	2	-	2	-	4
09	Forest Products Commerce	COMPF	-	-	-	-	-	1	-	2	-	3
10	Photogrammetry	FOTO	-	-	-	-	-	1	-	1	-	3
11	Practical Training	PSS4	-	-	-	-	-	60 hours			2	
12	Research-Design (elaboration of diploma work)	CPEPD	-	-	-	-	-	120 hours			4	
13	Modelling Applications in Forestry	MODS	1	-	1	-	2	-	-	-	-	-
	Xylology	XILO										
14	Interior design	COLAI	2	-	1	-	3	-	-	-	-	-
	Maintenance of forestry equipment	BARUF										
15	Forest Administration	ADMIN	-	-	-	-	-	1	-	1	-	3
	Alternative sources of energy	SUAVE										
16	Communication and Public Relations	COMUNI	-	-	-	-	-	1	-	1	-	3
	Accounting	CONTA										