

# 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)

### 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
01	Mathematics	MATE	2	2	-	-	5	-	-	-	-	-
02	Biostatistics	BIOS	2	-	2	-	4	-	-	-	-	-
03	Engineering Drawing and Cartography	GDDT	2	-	2	-	4	-	-	-	-	-
04	Informatics	INFF	2	-	2	-	5	-	-	-	-	-
05	Biochemistry	BIOCH	2	-	2	-	4	-	-	-	-	-
06	Soil Science and Basics of Geology and Geomorphology	PEGG	2	-	2	-	5	-	-	-	-	-
07	Academic Writing	SAC	1	-	-	-	1	-	-	-	-	-
08	Forest Soils and Classification of Forest Stand Sites	SSFOR	-	-	-	-	-	2	-	3	-	5
09	Forest Meteorology and Climatology	METEO	-	-	-	-	-	2	-	2	-	4
10	Botany	BOT	-	-	-	-	-	2	-	2	-	4
11	Topography and 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	-	-	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
01	Game Description and Management	FAUNA	3	-	3	-	6	-	-	-	-	-
02	Forest Constructions	CONF	2	-	-	2	5	-	-	-	-	-
03	Topography and Geodesy II	TOPO2	1	-	1	-	3	-	-	-	-	-
04	Geographic Information Systems	GIS	1	-	3	-	5	-	-	-	-	-
05	Dendrology II	DEN2	2	-	2	-	5	-	-	-	-	-

06	Forest Entomology	ENTO	-	-	-	-	-	2	-	2	-	4
07	Afforestation I	IMP1	-	-	-	-	-	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	Introduction to Machinery (O1)	CGM	2	-	2	-	4	-	-	-	-	-
	Mechanics and Strength of Materials (O1)	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

### 3<sup>rd</sup> Year

No. crt.	Course	Code	5 <sup>th</sup> Semester					6 <sup>th</sup> Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Forest Management Planning 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 Operations and Technology I	TEL1	-	-	-	-	-	2	-	2	-	4
06	Forest Management Planning II	AMEN2	-	-	-	-	-	2	-	-	2	5
07	Forest Transportation Infrastructure	PODF	-	-	-	-	-	2	-	-	2	4
08	Cable Yarding I	FUNIC1	-	-	-	-	-	2	-	2	-	4
09	Forest Roads I	DRUM1	-	-	-	-	-	2	-	1	-	4
10	Forest Economy and Management	MECFOR	-	-	-	-	-	2	2	-	-	4
11	Practical Training III	PSS3	-	-	-	-	-	90 hours				3
12	Forest Cadaster (O2)	CAD	-	-	-	-	-	1	-	1	-	2
	Forest Railways (O2)	CFFOR										
13	Computer Aided Design in Forest Engineering (O3)	DISA	1	-	2	-	4	-	-	-	-	-
	Dendrometry II (O3)	DENDR2										
14	Equipment for Constructions in Forest Engineering (O4)	UTICO	2	-	2	-	5	-	-	-	-	-
	Machines for Constructions in Forest Engineering (O4)	MACO										
15	Electrical Applications in Forest Engineering (O5)	UEF	2	-	2	-	4	-	-	-	-	-
	Introduction to Automation in Forest Engineering (O5)	EMAUS										

## 4<sup>th</sup> Year

No. crt.	Course	Code	7 <sup>th</sup> Semester					8 <sup>th</sup> Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Timber Harvesting Operations and Technology II	TEL2	2	-	-	2	5	-	-	-	-	-
02	Forest Roads II	DRUM2	2	-	1	2	5	-	-	-	-	-
03	Timber Harvesting Mechanization	MEF	4	-	4	-	6	-	-	-	-	-
04	Wood Processing Technology	PRELEF	2	-	2	-	5	-	-	-	-	-
05	Cable Yarding II	FUNIC2	2	-	1	-	4	-	-	-	-	-
06	Management of Forest Operations Companies	MAFE	1	-	1	-	3	-	-	-	-	-
07	Work Science and Ergonomics	ERGOS	-	-	-	-	-	2	-	2	-	5
08	Forest Law and Legislation	DLF	-	-	-	-	-	2	-	2	-	4
09	Trade of Forest Products	COMPF	-	-	-	-	-	1	-	2	-	3
10	Remote Sensing	FOTO	-	-	-	-	-	1	-	1	-	3
11	Practical Training	PSS4	-	-	-	-	-	60 hours			2	
12	Research-Design (elaboration of diploma work)	CPEPD	-	-	-	-	-	120 hours			4	
13	Mathematical Modelling in Forestry (O6)	MODS	1	-	1	-	2	-	-	-	-	-
	Xylology (O6)	XILO										
14	Building and Interior Design (O7)	COLAI	-	-	-	-	-	2	-	1	-	3
	Introduction to Maintenance of Forestry Equipment (O7)	BARUF										
15	Forest Administration (O8)	ADMIN	-	-	-	-	-	1	-	1	-	3
	Green Energy Sources in Forestry (O8)	SUAVE										
16	Communication and Public Relations (O9)	COMUNI	-	-	-	-	-	1	-	1	-	3
	Accounting (O9)	CONTA										