

Transilvania University of Braşov, Romania

Study program: Wood Products Engineering and Design

Faculty: Furniture Design and Wood Engineering
 Study period: 4 years (bachelor)
 Academic year structure: 2 semesters (14 weeks per semesters 1-7; 10 weeks per semester 8)
 Examination sessions (two): winter session (January/February)
 summer session (June/July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

1st Year

Nr. crt.	Course	Code*	1 st Semester					2 nd Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Mathematical Analysis	DF	3	3	0	0	5					
02	Fundamentals of Wood Production and Environmental Protection 1	DF	3	0	2	0	5					
03	Descriptive Geometry 1	DF	2	0	2	0	5					
04	Applied Informatics	DF	2	0	3	0	5					
05	Wood Chemistry	DF	2	0	1	0	4					
06	Physical Training 1	DC	0	1	0	0	1					
07	Ethics and Academic Integrity	DC	1	0	0	0	3					
08	Package of optional disciplines: English Language 1 / French Language 1	DC	1	1	0	0	2					
09	Linear Algebra, Analytical Geometry and Differential Equations	DF						2	2	0	0	4
10	Physics	DF						2	0	1	0	4
11	Technical Drawing and Infographics 1	DF						2	0	2	0	5
12	Mechanics	DF						2	2	0	0	5
13	Wood Anatomy	DF						3	0	2	0	5
14	Materials Used in Wood Industry	DF						1	0	2	0	4
15	Physical Training 2	DC						0	1	0	0	1
16	Package of optional disciplines: English Language 2 / French Language 2	DC						1	1	0	0	2
TOTAL:			14	5	8	0	30	13	6	7	0	30
TOTAL HOURS PER WEEK:			27					26				

*DF –fundamental disciplines DS – specialized disciplines DC – complementary disciplines
 C=course; S=seminar; L=laboratory; P=project

2nd Year

Nr. crt.	Course	Code*	3 rd Semester					4 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Descriptive Geometry 2	DF	1	0	2	0	4					
02	Technical Drawing and Infographics 2	DF	1	0	2	0	4					
03	Strength of Materials	DF	2	0	2	0	5					
04	Wood Physics and Mechanics	DF	3	0	2	0	5					
05	Wood Preservation	DF	2	0	2	0	5					
06	Drives in Wood Industry	DF	2	0	2	0	4					
07	Physical Training 2	DC	0	1	0	0	1					
08	Package of optional disciplines: English Language 3 /French Language 3	DC	1	1	0	0	2					
09	Technical Drawing and Infographics 3	DF						2	0	2	0	4
10	Wood Structures for Constructions	DF						2	0	2	0	4
11	Wood Structures for Furniture	DF						2	0	2	0	4
12	Technological Materials in Wood Industry	DF						2	0	2	0	4
13	General Economy	DC						1	0	0	0	1
14	Fundamentals of Wood Production and Environmental Protection 2	DF						1	0	1	0	2
15	Study of Wood Properties	DF						2	0	2	0	4
16	Internship 1	DS						90				4
17	Physical Training 4	DC						0	1	0	0	1
18	Package of optional disciplines: English Language 4 /French Language 4	DC						1	1	0	0	2
TOTAL:			12	2	12	0	30	13	2	11	0	30
TOTAL HOURS PER WEEK:			26					26				

3rd Year

Nr. crt.	Course	Code*	5 th Semester					6 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Thermal Treatments of Wood	DF	2	0	2	0	5					
02	Basics of Wood Cutting and Cutting Tools	DF	2	0	1	0	4					
03	Wood-Processing Machine-Tools and Units 1	DF	2	0	2	0	5					
04	Design of Wood Products	DS	1	0	0	2	3					
05	Furniture Design 1	DS	2	0	0	2	4					
06	Finishing Technologies in Wood industry	DS	1	0	1	0	2					
07	Package of optional disciplines: 3D Modelling /Interior Design Modelling	DS	1	0	2	0	4					
08	Package of optional disciplines: Ornamental Drawing / Color and Texture in the Design of Wood Products	DS	1	0	2	0	3					
09	Technology of Engineered Wood Products	DS						2	0	1	0	3
10	Wood-Processing Machine-Tools and Units 2	DF						2	0	2	0	4
11	Furniture Styles and Ornaments 1	DS						2	0	2	0	4
12	Numerical Control Technique in Wood	DF						2	0	2	0	4

	Industry											
13	Furniture Design 2	DS					2	0	0	0	2	
14	Furniture Design 2 - Project	DS					0	0	0	2	2	
15	Furniture Technology 1	DF					2	2	0	0	4	
16	Internship 2	DS					90				4	
17	Package of optional disciplines: Technological Devices in Wood Industry / Techniques and Methods for Quality Assessment in Wood Industry	DS					2	0	1	0	3	
TOTAL:			12	0	10	4	30	14	2	8	2	30
TOTAL HOURS PER WEEK:			26				26					

4th Year

Nr. crt.	Course	Code*	7 th Semester					8 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Technology and Design of Wood Products 1	DF	2	0	0	2	4					
02	Furniture Styles and Ornaments 2	DS	2	0	1	0	3					
03	Furniture Technology 2	DF	2	0	1	0	4					
04	Furniture Technology 2 - Project	DF	0	0	0	2	3					
05	Art Furniture Technology 1	DS	2	0	2	0	4					
06	Furniture Restoration	DS	2	0	2	0	5					
07	Package of optional disciplines: Artificial Intelligence and Digital Modelling in Wood Engineering/ Virtual and Augmented Reality in Wood Engineering	DS	1	0	2	0	4					
08	Package of optional disciplines: Parametric Design in Wood Industry / CAD-CAM-BIM Modelling in Wood Engineering	DS	1	0	2	0	3					
09	Technology and Design of Wood Products 2	DF						2	0	0	2	4
10	Automatisation in Wood Industry	DF						1	0	1	0	2
11	Technological Transport in Wood Industry	DF						1	0	1	0	2
12	Art Furniture Technology 2	DS						2	0	1	0	3
13	Elaboration of Diploma Project	DS						0	4	0	0	4
14	Internship 3	DS						60				4
15	Package of optional disciplines: Management in Wood Industry/ Circular Economy and Sustainability in Wood Engineering	DS						2	1	0	0	3
16	Package of optional disciplines: Technology of Upholstered Furniture / Technology of Wooden Musical Instruments	DS						2	0	2	0	4
17	Package of optional disciplines: Indoor Architecture /Ambient Architecture	DS						2	0	0	2	4
TOTAL:			12	0	10	4	30	12	5	5	4	30
TOTAL HOURS PER WEEK:			26				26					