



## УЧЕБНИ ПЛАНОВЕ НА ИЗУЧАВАНИТЕ СПЕЦИАЛНОСТИ

Учебен план на специалността „Инженерен дизайн“, ОКС Бакалавър на английски език  
CURRICULUM

ENGINEERING DESIGN (INTERIOR AND FURNITURE DESIGN) BACHELOR PROGRAM

Code	№	Courses	Group	Lectures	Seminars	ECTS
1	2	3	4	5	6	8
WWI 602	1.	Mathematics – I		30	30	5,0
ABM 404.1	2.	Information Technology – I		30	30	5,0
WWI 103.1	3.	Wood Science – I		30	15	3,0
ABM 302	4.	Optional Course – Block I		30	15	3,0
WWI 601	5.	Descriptive Geometry		30	30	5,0
WWI 509	6.	Engineering Graphics		30	45	6,0
WWI 347	7.	Artistic Methods and Techniques in Interior Design		0	90	7,0
ABM 507	8.	Foreign Language (to be chosen)		0	120	8,0
WWI 708	9.	Physical Training**		0	120	0
WWI 606	10.	Mathematics – II		30	30	5,0
ABM 404.2	11.	Information Technology – II		30	30	5,0
WWI 603	12.	Physics		30	30	5,0
WWI 305	13.	Coloristic		30	30	5,0
WWI 513	14.	Mechanics		30	30	5,0
WWI 214	15.	Practical Training**		0	30	2,0
WWI 315	16.	Non-Wood Materials in Interior		30	30	5,0
WWI 316	17.	Optional Course – Block II		60	0	5,0
WWI 517	18.	Machine Science		30	30	5,0
WWI 219	19.	Adhesives and Finishing Materials		30	30	5,0
WWI 420	20.	Acoustics		30	30	5,0
WWI 322	21.	Styles in Interior and Furniture		60	45	8,0
WWI 318	22.	Wood Materials in Interior		45	30	6,0
WWI 329	23.	Form-formation		45	45	7,0
WWI 424	24.	Machines for Manufacturing Furniture and Furnishing		45	45	7,0
WWI 125	25.	Technology of Wood Materials		45	60	8,0
WWI 128	26.	Ergonomics and Ergonomic Design		45	45	7,0

Code	№	Courses	Group	Lectures	Seminars	ECTS
1	2	3	4	5	6	8
WWI 343	27.	Architecture and Building		30	30	5,0
WWI 323	28.	Theory of Composition		30	45	6,0
WWI 130	29.	Engineering Ecology		30	30	5,0
WWI 342	30.	Computer Design of Furniture		0	60	5,0
WWI 331	31.	Furniture Construction		60	45	8,0
WWI 332	32.	Design of Residential Interior and Furnishing		45	60	8,0
WWI 426	33.	Heating and Ventilation of Interior		30	30	5,0
WWI 334	34.	Graphic Design		30	45	6,0
WWI 235	35.	Construction Products of Wood in Interior		45	30	6,0
WWI 233	36.	Technology of Furniture		60	45	8,0
WWI 337	37.	Public Buildings Interior Design		30	75	8,0
WWI 336	38.	Strength & Stiffness Design of Furniture		45	45	7,0
++	39.	Optional Course – Block III		0	45	3,0
AMB 241	40.	Optional Course – Block IV		30	30	5,0

<b>SEMESTER IV – DIPLOMA PROJECT</b>		15
Pre-Diploma Placement	4 weeks	8
Development and Presenting of Diploma Project		15
Number of Semester Exams – 29 Total Number of Credits from Courses – 224 Общ брой кредити за обучението – <b>240</b>		

**BLOCK I – SEMESTER I – 45 hrs**

1. General Economic Theory – ABM302.1
2. Aesthetics – ABM306.1
3. Philosophy – ABM306.2

**BLOCK II – SEMESTER III – 60 hrs**

1. History of Art – WWI316.1
2. History of Design – WWI316.2

**BLOCK III – SEMESTER VII – 45 hrs**

1. Model and Prototype-Building – WWI239.1
2. Modeling – WWI339.2

**BLOCK IV – SEMESTER VII – 60 hrs**

1. Marketing and Prices – ABM241.1
2. Basics of Management – ABM241.2
3. Business Planning and Control – ABM241.3

Учебен план на специалността „Инженерен дизайн“, ОКС Магистър на английски език  
CURRICULUM  
OF THE MASTER PROGRAM OF ENGINEERING DESIGN  
(INTERIOR AND FURNITURE DESIGN)

Code	№	Courses	Status	Lectures	Seminars	ECTS
1	2	3	4	5	6	8

**ELECTIVE MODULE “PRODUCT DESIGN”**

1.	Innovative and Strategic Design	O	30	45	5,0
2.	Presentation of Design Projects	O	30	60	6,0
3.	Quality Management in Design	O	30	30	4,0
4.	Management of Design Process	O	30	30	4,0
5.	Copyright and Intellectual Property Protection	O	30	30	4,0
6.	Systems and Mechanisms in Interior and Furniture	E	45	30	5,0
7.	Design of Interior and Furniture of Non-Wood Materials	E	15	60	5,0
8.	Design of Furniture for Mass and Serial Manufacturing	E	15	30	3,0
9.	Design of Avant-garde Furniture	E	15	45	4,0
10.	Design of Interior Accessories	E	0	45	3,0
11.	Optional Course (Table 1)	op	30	30	4,0
<b>TOTAL STUDY COURSES</b>			<b>270</b>	<b>435</b>	<b>47</b>
<b>DEVELOPMENT AND PRESENTATION OF DIPLOMA PROJECT</b>			<b>11 weeks</b>		<b>15</b>
<b>TOTAL</b>					<b>62</b>

**ELECTIVE MODULE “DESIGN OF THE HABITAT”**

1.	Innovative and Strategic Design	O	30	45	5,0
2.	Presentation of Design Projects	O	30	60	6,0
3.	Quality Management in Design	O	30	30	4,0
4.	Management of Design Process	O	30	30	4,0
5.	Copyright and Intellectual Property Protection	O	30	30	4,0
6.	Design of Unique Buildings Interior	E	15	60	5,0
7.	Lighting Design and Lighting Systems	E	30	45	5,0
8.	Systems and Mechanisms in Furniture, Interior and Wood Structures	E	45	30	5,0
9.	Design of Period Style Interior	E	0	30	2,0
10.	Design for People with Disabilities	E	15	30	3,0
11.	Optional Course (Table 1)	op	30	30	4,0
<b>TOTAL STUDY COURSES</b>			<b>285</b>	<b>420</b>	<b>47</b>
<b>DEVELOPMENT AND PRESENTATION OF DIPLOMA PROJECT</b>			<b>11 weeks</b>		<b>15</b>
<b>TOTAL</b>					<b>62</b>

Code	№	Courses	Status	Lectures	Seminars	ECTS
1	2	3	4	5	6	8

**ELECTIVE MODULE "DESIGN OF URBAN ENVIRONMENT"**

1.	Innovative and Strategic Design	O	30	45	5,0	
2.	Presentation of Design Projects	O	30	60	6,0	
3.	Quality Management in Design	O	30	30	4,0	
4.	Management of Design Process	O	30	30	4,0	
5.	Copyright and Intellectual Property Protection	O	30	30	4,0	
6.	Introduction to Design of Urban Environment	E	30	30	4,0	
7.	Art in Design	E	30	30	4,0	
8.	Phyto-design	E	30	30	4,0	
9.	Design of Park Structures in Wood	E	15	60	5,0	
10.	Eco Design	E	45	30	3,0	
11.	Optional Course (Table 1)	op	30	30	4,0	
<b>TOTAL STUDY COURSES</b>				<b>315</b>	<b>390</b>	<b>47</b>
<b>DEVELOPMENT AND PRESENTATION OF DIPLOMA PROJECT</b>			<b>11 weeks</b>			<b>15</b>
<b>TOTAL</b>						<b>62</b>

**II. OPTIONAL STUDY COURSES**

No	Name of Course	Status	Weekly Workload per Semester	Form of Assessment
1.	Lighting Product Design	Optional	0+4	Current Assessment
2.	Decorative Technology for Furniture	Optional	2+2	Examination
3.	Protective and Decorative Film-Forming Processes on Wood	Optional	2+2	Examination
4.	Furniture Strength Testing	Optional	2+2	Examination
5.	Marketing and Advertising	Optional	2+2	Examination
6.	Foreign Language	Optional	0+4	Examination

**NOTE: 1. \* O – OBLIGATORY BASIC COURSE;**

**E – ELECTIVE COURSE;**

**OP – OPTIONAL COURSE**

**2. DURING SEMESTER II, EVERY STUDENT IS OBLIGED TO STUDY AT LEAST ONE OPTIONAL STUDY COURSE BY CHOICE OR ONE OF THE COURSES OF THE OTHER TWO ELECTIVE MODULES**

**FORM OF GRADUATION: DEVELOPMENT AND PRESENTATION OF DIPLOMA PROJECT – SEMESTER III**

Учебен план на специалността „Технология на дървесината“ на английски език  
CURRICULUM  
OF THE BACHELOR PROGRAM OF TECHNOLOGY OF WOOD

Code	№	Courses	Group	Lectures	Seminars	ECTS
1	2	3	4	5	6	8
WWI 601	1.	Mathematics – I		30	30	5,0
ABM 302	2.	Optional Course – Block I		30	15	3,5
WWI 503	3.	Metals Knowledge		30	15	3,5
ABM 404	4.	Informatics		45	60	8,0
WWI 505	5.	Technical Drawing		15	45	4,5
WWI 106	6.	Practical Training **		0	30	2,0
ABM 507	7.	Foreign Language (to be chosen)		0	120	8,0
WWI 708	8.	Physical Training**		0	120	0
WWI 109	9.	Wood Anatomy		60	45	8,0
WWI 610	10.	Mathematics – II		30	30	5,0
WWI 611	11.	Physics		45	45	7,0
WWI 512	12.	Theoretic Mechanics		30	45	8,0
WWI 413	13.	Wood Cutting		60	30	5,0
WWI 514	14.	Strength of Materials		30	30	5,0
WWI 515	15.	Industrial Thermotechnics		45	30	6,0
WWI 516	16.	Electrotechnics		45	30	6,0
WWI 517	17.	Interchange and Technical Measurements		15	15	2,5
WWI 218	18.	Hydrothermal Treatment of Wood		60	40	8,0
WWI 519	19.	Machine Parts		45	60	8,0
AMB 120	20.	Management of WFM		45	15	4,5
ELA 421	21.	Chemistry of Polymeric Materials		30	30	4,5
WWI 422	22.	Woodworking Machines		45	60	8,0
WWI 423	23.	Transport Systems in Manufacturing		45	60	8,0
WWI 424	24.	Use and Maintenance of Woodworking Machines		45	45	7,0
WWI 125	25.	Technology of Wood Materials		60	45	8,0
WWI 426	26.	Heating and Ventilation		30	45	6,0
WWI 527	27.	Automatics and Automatisation of WFM		60	45	8,0
WWI 128	28.	Technology of Veneer and Laminated Wood		60	45	8,0
WWI 129	29.	Technology of Particle Boards		60	45	8,0
WWI 130	30.	Technology of Fiber Materials		60	45	8,0
WWI 131	31.	Industrial Ecology and Labor Protection		35	40	6,0
WWI 332	32.	Furniture Construction		60	45	8,0
WWI 233	33.	Technology of Furniture		60	45	8,0
WWI 234	34.	Special Production of Wood Products		60	45	8,0
WWI 335	35.	Interior Architecture		30	45	6,0
WWI 136	36.	Modeling and Optimization of Technologic Process		45	15	4,5
ABM 237	37.	Organization of WFM		45	45	7,0
++	38.	Optional Course – II Block***		20	15	3,5

### **III. OPTIONAL COURSES**

#### **I BLOCK – SEMESTER I - 30 HRS**

1. General Economic Theory – ABM302.1; Credits:1,5+2,0=3,5
2. Philosophy - ABM302.2; Credits:1,75+1,75=3,5

#### **II BLOCK - SEMESTER VII**

1. Foreign Language (cont.) – ABM 538.1
2. Standardization and Patent Work – WWI138.2
3. Computer Graphics – ABM438.3
4. Information Systems – ABM438.4
5. Marketing & Prices – ABM238.5

#### **V. FORM OF GRADUATING: DIPLOMA PROJECT DEVELOPMENT AND PRESENTATION – SEMESTER VIII**

