New Bachelor

In “WOOD TECHNOLOGY AND INTERIOR DESIGN”

Bachelor’s Program “Wood Technology and Interior Design”

The Bachelor’s program in ’’**Wood Technology and Interior Design’’** combines the practical and creative aspects of wood and wood based materials processing with the artistic and functional design of interior spaces. The curricula is designed to equip students with the technical skills and knowledge necessary to work in the wood industry, while also providing a strong foundation in interior design principles.

Students will typically learn about wood materials and modern manufacturing techniques, alongside design principles, spatial planning, and interior styling. The program includes both theoretical courses and hands-on projects, allowing students to work with wood as a material for creating furniture, structures, and interiors. Graduates are prepared for careers in both the wood and design industries, working in areas like furniture design, architectural interior design, sustainable construction, or product development. The interdisciplinary nature of the program fosters innovation, problem-solving, and an understanding of the environmental impacts of design and material usage.

Program Objectives

This program aims to:

- **Develop Technical Expertise in Wood Materials and Manufacturing**: Equip students with in-depth knowledge of wood properties, processing techniques, and modern production methods to create high-quality, sustainable wood products.
- **Foster Creativity and Innovation in Interior Design**: Provide skills to design aesthetically pleasing and functional interior spaces, integrating elements such as furniture, lighting, and color theory with a focus on user experience and comfort.
- **Promote Sustainable Practices in Design and Construction**: Encourage an understanding of sustainable material use, eco-friendly design principles, and the environmental impact of both wood products and interior design choices.
- **Enhance Problem-Solving and Project Management Skills**: Prepare students to manage design and construction projects, from conceptualization through to execution, ensuring effective planning, budgeting, and coordination with various stakeholders.
- **Cultivate Interdisciplinary Collaboration**: Develop students' ability to work across disciplines, blending the technical aspects of wood technology with the artistic and functional aspects of interior design, to create cohesive and innovative solutions for real-world challenges.

Key Competencies

Graduates will gain expertise in:

1. **Wood processing Skills**: Proficiency in wood processing techniques, and innovative technology, including CAD and CNC.
2. **Design and Aesthetic Sensibility**: Mastery of design principles for creating visually appealing and functional interior spaces.
3. **Sustainability and Material Knowledge**: Understanding of wood and wood based materials properties, sustainable sourcing, and eco-friendly design practices.
4. **Project Management and Collaboration**: Skills in managing design projects, planning, budgeting, and effective teamwork.
5. **Problem-Solving and Critical Thinking**: Ability to analyze challenges and develop innovative, user-centered design solutions.

Career Opportunities

Graduates can pursue roles as:

- **Engineer in wood industry factories** managing production and implementing contemporary technologies in the technological processes of manufacturing furniture and other wood-based products.
- **Designer in architectural or interior design studio** to contribute in building design, as well as offering furniture design and interior organization.
- **Designer adviser in Furniture Sales Centers**: The furniture and interior design specialist can work in large furniture sales centers in the country. Possessing strong knowledge of products, he/she can competently advertise it to customers.
- **Independent Specialist in Furniture and Interior Design**: Small furniture production businesses may hire independent designers. Helps improve the aesthetic quality of products to remain competitive in the market.

Curriculum Structure

The three-year program blends **natural sciences, technical courses, and social sciences**:

- **1st Year**: Foundational courses in physics, mathematics, wood biology, wood protection, process engineering 1, Basics of economics etc (60 ECTS).
- **2nd Year**: Advanced training in Structure and physics of materials, Wood Processing technology I, Renewable and raw materials, Industrial furniture construction, Fundamentals of interior design, Market strategies (60 ECTS).

- **3rd Year**: Two specialization in Wood Technology Engineering and Furniture and Interior Design (60 ECTS).

Interdisciplinary Approach

Aligned with international standards (Muster Curricula), the program balances:

- **Natural Sciences (42 ECTS)**: physics, Subject-specific basic 1, Subject-specific basic 2, Applied physics, Chemistry, etc..
- **Technical Sciences (42 ECTS)**: Wood Processing technology I, Renewable and raw materials, Industrial furniture construction, etc
- **Social Sciences (42 ECTS)**: Market strategies, Basics of economics, Work systems and organization economy, production management, etc.

Why Choose This Program?

This degree combines creativity, technical skills, and sustainability, preparing students for a growing industry focused on eco-friendly solutions. Through hands-on experience, students enhance their wood processing skills and design capabilities, opening diverse career paths such as interior designer and wood processing engineer. This program is ideal for those seeking to merge artistic expression with technical applications while making a meaningful impact on quality of life.

STUDY CURRICULUM

Year 1 – Semester 1

No.	Obligatory Modules	ECTS
1	Value chain wood and other renewable raw materials	6
2	Subject-specific basic 1	6
3	Subject-specific basic 2	6
4	Chemistry	6
5	Wood Biology	6
		30

Year 1 – Semester 2

No.	Obligatory Modules	ECTS
1	Basics of economics	6
2	Applied physics	6
3	Structure and physics of materials	6
4	Process engineering I	6
5	Law and politics	6
	TOTAL	**30**

Year 2 – Semester 1

No.	Obligatory Modules	ECTS
1	Fundamentals of interior design	6

2	Process engineering II	6
3	Wood Processing technology I	6
4	Renewable and raw materials	6
5	Furniture design Wood chemistry and wood preservation	6
	TOTAL	**30**

Year 2 – Semester 2

No.	Obligatory Modules	ECTS
1	Wood Processing technology II	6
2	Market strategies	6
3	Industrial furniture construction	6
4	Finishing process	6
5	Work systems and organization	6
	TOTAL	**30**

Year 3 - Semester 1

PROFILE 1: ***WOOD TECHNOLOGY ENGINEERING***

No.	Obligatory Modules	ECTS
1	Production management	6
2	CNC Processing	6
3	Innovation and the timber industry	6
4	Elective Module I	6
5	Elective Module I	6
	TOTAL	**30**

Year 3 - Semester 2

No.	Obligatory Modules	ECTS
1	Elective Module III	6
2	Elective Module IV	6
3	Professional Practice	6
4	Diploma Thesis	12
	TOTAL	**30**

List of Elective Modules (Profile 1)

No.	Module	ECTS
1	Programming skills	6
2	Digital design and systems	6
3	Fundamentals and concepts of Circular Bio economy	6
4	Wood utilization	6
5	Financial accounting and controlling	6
6	Foreign language	6

Year 3 - Semester 1

PROFILE II- ***FURNITURE AND INTERIOR DESIGN***

No.	Module të detyrueshme	ECTS
1	Furniture design	6
2	Composition in interior design	6
3	Interior design project	6
4	Elective Module I	6
5	Elective Module II	6
	TOTAL	**30**

Year 3 - Semester 2

No.	Obligatory Modules	ECTS
1	Elective Module III	6
2	Elective Module IV	6
3	Professional Practice	6
4	Diploma Thesis	12
	TOTAL	**30**

List of Elective Modules (Profile 2)

Nr	Moduli	ETCS
1	Digital design	6
2	Drawing	6
3	CNC processing and programming	6
4	Fundamentals and concepts of Circular bio economy	6
5	Foreign language	6
6	Financial accounting and controlling	6