

Best Practice cases in VET - Hungary (Partners: INL)

Wood Technology MSc (University of West Hungary, Faculty of Wood Sciences)

Wood Technology is the masters course provide by University of West Hungary, Faculty of Wood Sciences.

The course is available for post graduate students, in-job trainees, job seekers and adult learners.

The **aim** of the course is professional training in wood processing and utilization. Achieving a high level theoretical knowledge and practical skills in the technical, environmental and financial aspects of wood utilization and processing is the principle aim. The course also aims to give the student a level of theoretical understanding that, along with the vocational training, enables them to assume an active role in future technical developments, and to further his or her education by entering a PhD. programme.

Competencies to be obtained in the masters' course:

- career-related theoretical and practical skills and their application in laboratory work and design
- systematic understanding and competence concerning materials, technology and products management skills and the ability to promote successful teamwork
- user-level knowledge concerning computer-based communication and analysis
- a basic understanding of issues of environment protection, quality management, consumer protection, manufacturer responsibilities, occupational safety and health, technical, economic, legal requirements, and ethics
- Familiarity with the general analysis and problem-solving techniques required for scientific research.

Learning Outcomes

Graduates of the master course are capable of:

- the practical application of their skills to understand principles and relationships, and using various problem-solving techniques, processing new information, problems and phenomena encountered at the frontiers of their professional experience, understanding and solving emerging problems and generating original ideas forming correct opinions and fair criticism, decision-making, drawing conclusions, evaluating conditions, analyzing risks and, based on these, forming a realistic evaluation, making suggestions, solving complex tasks in the area of wood processing, developing new technologies, organizing and controlling production processes.
- the management of the available technological, economic and human resources in a complex way
- Performing all kinds of engineering tasks related to wood processing and utilization at a high level of proficiency, self-education and development, extending and expanding their knowledge and skills.

Teaching Methodology:

It is based on class room, workshop, field work and group work.

Course Evaluation: Examination and Final dissertation

Quality Assurance: This course is regularly evaluated by National Quality Assurance Reference Point in VET – CQAF NRP (http://cqaf.nive.hu/szakkepzesi_minosegbiztosita/).