



Issued by University of Basilicata

SINCE

TAGS: Ergonomics, Safety, Management



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## Safety and ergonomics of work sites

The holder of this badge has attended the course "Safety and ergonomics of work sites" organized by the University Basilicata as part of the "Competenze trasversali in Unibas" Project.

The main contents of the course "Worksite Safety and Ergonomics" will cover the following areas:

the regulatory context: Consolidated Law 81/2008 and subsequent amendments, criteria for risk assessment. Temporary or mobile construction sites. Safety signs, concept of accident, injury and occupational disease. Genesis of accidents: methods of occurrence and analysis of the causes, safety of machinery, analysis of safety risks on some agricultural and forestry machinery (safety data sheets), personal protective equipment. Plant safety. Structural safety of workplaces, fire risk. Assessment, prevention and protection. Emergency management. Physical, chemical and biological risks: prevention and protection. Organization of work sites. Ergonomics of machines and equipment.

The Open Badge Worksite Safety and Ergonomics will allow the development of a mindset, attitudes and skills for enterprise and innovation, for the construction of a personal and professional profile interested in and capable of developing knowledge and skills in the field of integrated systems for managing worksite safety and assessing the ergonomics of the equipment and machinery used.

The Badge will allow to develop skills necessary to foster the training of professionals able to organise, use and manage a worksite, relate to each other and develop an operational and creative leadership, and at the same time citizens actively participating in the creation of a concrete future also through the development of a full awareness of their own being. The aim is to train people with a professional and research profile, who are also able to use existing technologies in the field of digital technology and innovation for a broader knowledge of work sites, equipment and machinery, and integrated safety management systems.

The Badge is therefore aimed at completing the educational background in order to have important skills to be able to then enter the world of work in companies, industries, start-ups, businesses, freelance professional graduates, professionals working in companies, industries and public and private bodies.

The student, therefore, at the end, through the badge, will have added value to his curriculum and will have integrated and acquired specific skills, essential to better address the outside world in its entirety and, specifically, the world of work.



## Skills

The owner of this Badge has proved to have the following competences:

- Ability to know and evaluate machines and technologies.
- Ability to organise a worksite.
- Ability to recognise and correctly manage risk situations.
- Capacity of integration of the factors that contribute to guarantee the safety process of the operators and the contexts in the workplaces, integrated and multifactorial process.

The owner of this Badge has displayed the following soft skills:

- Ability to coordinate with other workers on a worksite.
- Ability to exercise critical thinking in the evaluation of organisational models of a worksite.
- Ability to communicate effectively and immediately.
- Ability to communicate and work in a team, a fundamental competence in the process of INTEGRATING SAFETY INTO THE GLOBAL MANAGEMENT OF THE ORGANISATION.
- Ability to identify, within the company's organisational structure, the responsibilities, procedures, processes and resources for implementing the company's prevention policy, in compliance with current health and safety regulations.

The owner of this Badge has displayed an overall knowledge in:

- Knowledge on the regulations, equipment, machines and technologies, control systems.
- Knowledge on the model of organisation and management of a construction site in terms of men and means.

## Criteria

For the assignment of the Badge, the student is required:

- Passing the exam on "Safety and ergonomics in forestry work sites", LM Forestry and Environmental Sciences.
- A project application of a safety plan on a case study that will be identified by the Badge referent.



## Issued by University of Basilicata

The University of Basilicata is the leading University of the Basilicata region, in the Southern part of Italy. Since 2012, according to the new University statute and rules of procedure, ex D.R. n. 88/2012, the University of Basilicata is organized through six primary structures (precisely four departments and two schools) in which the functions and the personnel of the pre-existing twelve departments and eight faculties have been re-addressed. Degree programs range from the Humanities, to architecture, archeology, education, economics and management, as well as to the STEM disciplines (hard sciences, agriculture, engineering, computer sciences). Such degree programs are effectively connected to the research, training and third mission activities developed by the primary structures. University of Basilicata counts about 7000 students, and is based in the cities of Potenza and Matera.



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