



Issued by University of Basilicata

SINCE

TAGS: 3D printing, Computer-aided design

Does your business value this skill?

ENDORSE IT

View as learner >

## 3D Lab: Design to Prototype

The holder of this badge has attended the course "3D Lab: Design to Prototype" organized by the University Basilicata as part of the "Competenze trasversali in Unibas" Project.

3D printing is one of the most innovative and versatile technologies in digital manufacturing, with applications across various industries. This introductory course is designed not only for university students but also for anyone interested in exploring the world of additive manufacturing. It provides a comprehensive overview of the key techniques and tools needed to turn an idea into a physical object.

Over the course of 16 hours, participants will gain a solid understanding of different 3D printing processes, exploring various types of printers and materials. We will also cover essential software for 3D modeling and slicing, crucial for preparing and optimizing print files. A dedicated part of the course will focus on the production phase, helping participants understand the entire process of bringing an object to life.

As a hands-on experience, each participant will have the opportunity to create their own prototype using the equipment available at the Comincenter. Comincenter is an innovation and training hub at the University of Basilicata that connects academia, businesses, and young talents, offering growth pathways, networking, and professional development in a collaborative and change-oriented environment.

### Skills

The owner of this Badge has demonstrated that he has the following skills:

- Knowledge of the main 3D printing technologies.
- Ability to work in a CAD environment.
- Capability to choose the optimal process for producing a three-dimensional object.

The owner of this badge has shown that he has acquired the following soft skills:

- Ability to tackle and solve problems related to basic CAD design and production while enhancing creative thinking in design.
- Ability to diagnose and solve issues in printing processes.
- Hands-on experience in prototyping.

The owner of this Badge has demonstrated that he has acquired the following knowledge:

- Principles of 3D printing operation.
- Design using CAD software.

### Criteria

The badge is awarded to participants who complete all 16 hours of training and demonstrate the ability to produce an object of their own design.



### Issued by University of Basilicata

The University of Basilicata is the leading University of the Basilicata region, in the Southern part of Italy. In 2024, six Primary Structures (Departments) were established, which incorporated the functions of the pre-existing four Departments and the two Schools. 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.



UNIVERSITÀ DEGLI STUDI DELLA BASILICATA

### Badge Numbers



-

Endorsed this badge



-

Received this badge



-

Started this badge path



-

Added to favorites

