



SAVE THE
DATE



Application until
19 August 2014

MASTER CASACLIMA

**Building Energy
Performance.
Design,
Optimization
and Service**

Target participants

The CasaClima Master's degree is a high-specialization postgraduate course, which has been set up on the joint initiative of the Faculty of Science and Technology of the Free University of Bozen - Bolzano and the Casaclima Agency of the Autonomous Province of Bozen - Bolzano. This Master's degree aims to enhance the skills of graduates in one of the Engineering and Architecture Master's categories, either at the beginning of their professional careers or when already occupied within consultancy and design firms, professional studios, building, thermo-technical or energy companies, and public and private institutions.

For further information:

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The website of the Master:

bit.ly/MasterCasaClimaEn



unibz

Free University of Bozen - Bolzano
Faculty of Science and Technology
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Educational Goals

The course is intended to provide professionals in the field of building design, performance diagnosis, management and energy or environmental refurbishment with the tools needed to deal with occupant thermal comfort issues, with the appropriate use of new technologies, and with the optimization of design and service for a sustainable use of resources.

The professional profile prepared by the Master's program is a specialist in designing, setting up, evaluating, managing and enhancing the energy and environmental performance of buildings. Graduates will be able to consider building behaviour, starting from a single zone scale up to its urban collocation. Careful consideration is given to the diagnosis, management and renovation of existing buildings and to the design criteria for each possible use destination of buildings.

Contents

The main topics of the Master's course are:

1. **ClimaDesign:** Indoor environment for human well-being — Interactions between external and internal spaces aimed at occupant comfort conditions (thermal, acoustical and visual comfort, indoor air quality)
2. **ClimaTech:** Technologies — Technology for the envelope, systems and building energy design
3. **ClimaResources:** Efficiency in resource utilization — Energy, materials and sustainability

Teaching

The duration of the Master's course is 1 year (1500 hours) and will provide the participants with 60 Credits (CFU).

Teaching activity comprises:

- Fundamental modules (MF)
- Exercise modules (ME): analysis of real application data or project or commercial alternatives, with the participation of professionals and firms
- Application modules (MA): modules of connection with the experience of the Casaclima Agency, including the analysis of the different labelling protocols promoted by the Agency, the evaluation of real Casaclima projects, already certified or in progress.

Besides those modules, which will last about 1200 hours, individual and group workshops and dissertation project preparation will require around 300 hours.

Admission

Eligible candidates will possess a Master's degree in the categories of Architecture and Engineering, which will be listed in the call published on the website of the Free University of Bozen - Bolzano.

The call will describe the selection procedure, the number of places available and the fees. The admission ranking list will be established by title evaluation and interview.