Program Description

Master of Science in Planning and Landscape Architecture

Why a Master in "Landscape Planning and Landscape Architecture"

- It deepens, specializes and integrates the competencies gained at Bachelor level in landscape analysis, planning, design and management.
- It responds to the need for advanced professionals due to rapid urbanization, territorial transformation, pressure on natural resources and climate risks.
- It offers two clear specialization profiles: Landscape Architecture and Landscape Planning.
- It prepares students for leadership roles in complex urban and territorial projects, applied research and doctoral studies.
- It is aligned with the UBT–BOKU 2030 reform and with European standards in landscape education and planning.

Competences of the graduates

- Carry out integrated territorial analyses and interpret spatial, statistical and environmental data.
- Prepare visions, development scenarios and strategic planning documents.
- Develop complex urban and territorial projects in landscape architecture.
- Integrate green/blue infrastructure, nature-based solutions and climate adaptation goals into plans and projects.
- Use GIS, CAD, spatial modelling and other digital tools at an advanced level.
- Lead interdisciplinary teams, public consultation processes and inter-institutional cooperation.
- Design and implement applied research and prepare a Master thesis with a clear methodology.
- Act with professional integrity, public ethics and environmental responsibility.

Potential employers and/or career path

- Municipalities and local structures dealing with urban planning, greenery and territorial management.
- Territorial planning, environmental and protected areas management institutions/agencies.
- Design studios, construction companies and companies specialized in parks, gardens and green space implementation.
- Consulting firms in territorial planning, environment, GIS, EIA/SEA and landscape management.

- National and international development projects in rural development, nature tourism, biodiversity, ecological restoration and climate adaptation.
- NGOs and development programs working on territory, environment and communities.
- Academic and research careers, including doctoral studies.

Alumni and their experiences

- The application documents show that UBT already has experience with Bachelor, Master of Science and Professional Master programmes in landscape architecture, but they do not yet provide named alumni examples for this section.
- This section is best completed with graduates from the existing UBT programmes who currently work in:
  - municipalities and public institutions,
  - design studios,
  - construction and landscape implementation companies,
  - environmental and territorial agencies,
  - development and consulting projects.

The interdisciplinarity of the program

- 5% of the credits are basic/methodological courses.
- 45% of the credits are core disciplinary courses.
- 15% of the credits are interdisciplinary/integrative courses.
- 10% of the credits are complementary courses.
- 25% of the credits are final requirements (Master thesis).
- The programme integrates territorial planning, landscape architecture, rural development, socio-economic aspects, ecology, digital technologies and geospatial analysis.
- The first year provides a shared methodological core, while the second year specializes into two profiles: Landscape Architecture and Landscape Planning.
- The programme is delivered in Albanian and English.

Which Bachelor programmes are suggested

- Bachelor in Landscape Planning and Landscape Architecture
- Bachelor in Architecture
- Bachelor in Urban/Regional Planning
- Bachelor in Environmental Engineering
- Bachelor in Forestry
- Bachelor in Horticulture / Agronomy
- Bachelor in Geography / GIS

Official list of classes for each semester

Semester 1

- Advanced Landscape and Spatial Planning
- Advanced Landscape Architecture
- Digital and Geospatial Methods in Landscape Design
- Territorial Planning and Rural Development
- Elective course (according to profile)

Semester 2

- Spatial Planning Project
- Advanced Studio – Landscape Systems Design
- Nature-Based Urban Planning and Design
- Research Methods in Landscape Planning and Landscape Architecture
- Elective course (according to profile)

Semester 3

- 5 elective courses (according to profile)

Semester 4

- Master Thesis Seminar
- Master Thesis Defense

Elective courses – "Landscape Planning" profile

- Planning for Nature Tourism
- Urban and Regional Governance
- Specialization Project in Landscape Planning
- Planning and Management of Large Protected Areas
- Risk-Oriented Spatial and Landscape Planning
- Environmental Impact Assessment
- Landscape Ecology, Habitat and Nature Rehabilitation
- Coastal Landscape Management
- Advanced Remote Sensing and GIS
- Aquatic Systems Ecology
- Soil Ecology
- Urban Ecology
- Applied Landscape Management
- Natural Hazard Risk Management and Nature-Based Solutions
- Water Resources Management
- Environmental Justice, Conflicts and Competition for Resources
- Governance, Natural Disasters and Justice
- Sustainable Energy Systems

Elective courses – "Landscape Architecture" profile

- Applied Research in Landscape Architecture
- Advanced Digital Methods: BIM Elements in Landscape Architecture
- Detailed Technical Design 1 – constructions, foundations, staking-out and grading in landscape architecture

- Detailed Technical Design 2 – drainage and irrigation systems
- Site Management and Landscape Project Implementation
- Built Landscape Management
- Building Greening – Functions and Basic Technologies
- Lighting Techniques
- Irrigation Management Technologies
- Business Management