



Occupational standard

Chartered landscape architect (EstQF level 7)

The occupational standard is a document that describes the job and competence requirements, i.e. a set of skills, knowledge and attitudes required for successful job performance in a particular occupation.

Application areas of the occupational standard

- 1) Drafting of curricula and training programmes meeting the requirements of labour market.
- 2) Evaluation of competence of the people, incl self-evaluation and conformity evaluation upon awarding an occupational qualification.
- 3) Description and introduction of occupational qualifications.
- 4) Career planning and creation of a basis for lifelong learning.
- 5) Identification of personnel training needs and planning of training.
- 6) Drafting of job descriptions and recruitment of employees.
- 7) Comparison of occupational and educational qualifications.

Occupational qualification title	Estonian qualifications framework (EstQF) level
Chartered landscape architect, level 7	7







PART A JOB DESCRPITION

A.1 Job description

Landscape architecture is a field of profession which deals with spatial landscape (external space) designing and planning (landscape planning in the meaning of the European Landscape Convention). In landscape architecture the definition of landscape is similar to the one in the European Landscape Convention where landscape is defined as an area, as perceived by people, whose character is the result of the action and interaction of natural and/or human factors. The landscape architecture object is landscape or total external space and a landscape architect deals with both built, to be built and natural environment despite its actual condition or legal status. A landscape architect's task is to plan measures and activities necessary for enhancing, creating or restoring landscapes.

As referred to in the current standard a **landscape architecture design project** is a separate building design project for a landscape architecture object or a landscape architecture design part of any building design documentation (incl layout).

The objective of the job of a landscape architect is to prepare a complete spatial solution that considers cultural (incl technological, technical, artistic, etc), social, economic and ecological aspects. Qualified landscape architects are able to understand and mediate the needs of the related parties in the field of spatial planning, landscape architecture design, building, preserving and recognising cultural heritage and keeping a natural balance. In one's job a landscape architect shall follow the code of professional ethics and good planning, building design and building practice.

A chartered landscape architect, level 7, is a specialist who is, independently and on one's own responsibility, able to prepare, assess and manage complete solutions of spatial planning of land and water areas, cities and other settlements and of landscape architecture design projects, and assess built environment. A chartered landscape architect is able to give regular expert assessments in his field of profession. If required, a chartered landscape architect participates in juries of local landscape-related contests and is capable of working as an expert in one's field in the government and local authorities.

In the professional field of a landscape architect, in addition to a chartered landscape architect, level 7, there are the following occupational qualifications:

<u>A diploma landscape architect, level 7,</u> works with landscape architecture objects in public or semipublic space under the supervision of a chartered landscape architect or independently with the limited scope of responsibility and with non-public space objects.

A chartered landscape architect-expert, level 8, is a senior specialist who has a doctoral degree or other comparable academic degree or is an internationally recognised creative person who is, independently and on one's own responsibility, able to prepare, assess and manage complete solutions of spatial planning of land and water areas, cities and other settlements and of landscape architecture design projects, and assess landscape and built environment. A chartered landscape architect-expert works out new methods to solve one's tasks. A chartered landscape architect-expert, level 8, is able to give more complicated expert assessments in his field of profession and participate in juries of international architectural contests. A chartered landscape architect-expert is able to work







as a top specialist in one's field in the government and local authorities and universities as a top specialist in one's field.

A.2 Units

OBLIGATORY UNITS

- A.2.1 Managing the preparation of landscape architecture design projects
- A.2.2 Preparing landscape architecture design projects in all stages
- A.2.3 Managing the preparation of spatial plans
- A.2.4 Preparing the landscape architecture part of a spatial plan in all types of spatial plans
- A.2.5 Assessing the landscape part in spatial plans of all types, building design projects and buildings
- A.2.6 Studying and assessing landscape

OPTIONAL UNITS

- A.2.7 Preparing landscape protection plans and/or management plans
- A.2.8 Preparing special conditions for cultural heritage (if activity licence is available) and designing a cultural heritage object
- A.2.9 Assessing the environmental impact (if activity licence is available) and/or strategic assessment of environmental impact
- A.2.10 Participating in the preparation and the work of juries of architectural and landscape architectural contests
- A.2.11 Working in the government or local authorities

A complete list of units and tasks is given in Annex 1 "Units and tasks".

A.3 Working environment and specific aspects of work

A landscape architect works predominantly in an office but also in field conditions on a site, public authorities and elsewhere.

The work is generally creative but sometimes mentally stressful periods may occur. The work load may be spread unevenly. The work is moderately physically strenuous taking place any season in different natural and weather conditions and getting in touch with different social environments.

A.4 Tools

In one's job a landscape architect uses regular office tools, different communication techniques, office and engineering software, maps and modelling tools. Also tools necessary for field work like measuring and fixing devices (eg camera, die, altimeter, rangefinder, etc).

A.5 Personal characteristics necessary for this job: abilities and personality traits

<u>Mental abilities</u>: spatial perception and ability to imagine and compose space, creative thinking, visual memory, rational thinking and ability to generalise, independence and decision-making skills, sense of responsibility and accuracy, ability to cooperate and emphasise, communication skills and ability to work in stressful situations, need for accomplishment, sense of beauty and good taste.

Physical abilities: seeing, hearing, tolerance for moderate physical activity

<u>Personality traits</u>: adaption skills, stress tolerance, cooperation skills, learning skills, sense of responsibility, reliability, emotional stability, correctness, self-discipline, willingness for communication, sociability, creativity, decision-making skills and independence, need for accomplishment.

A.7 Occupational training

A chartered landscape architect is a person with a professional master's degree or a comparable educational level who has at least a 4-year professional continuous work experience after receiving the degree.

International documents:







- Definition of the profession of landscape architect for the International Standard Classification of Occupations. International Labour Office, Geneva. Final Version approved by the World Council 2003, Banff, Canada of the International Federation of Landscape Architects, IFLA. http://www.iflaonline.org/images/PDF/landscapeArchi/ladeffinalversion30.pdf
- ILO Resolution concerning updating the International Standard Classification of Occupations http://www.iflaonline.org/images/PDF/landscapeArchi/Update_ILO_Nov2008.pdf
- IFLA Charter for landscape architectural education (with EFLA addenda) (15.08.2005) http://europe.iflaonline.org/images/PDF/education/iflacharterforlaeducationeflaaddenda.pdf

A.7 Possible job titles

At the time of drafting the occupational standard, landscape architects are holding the following positions: landscape architect, municipal gardener, planner, environmental protection specialist, designer, consultant, municipal landscape architect, rural municipality architect, architect, planner, landscape engineer.

The workgroup engaged in preparing the occupational standard recommends using the following job titles: landscape architect, landscape architect-consultant, county landscape architect, town landscape architect, rural municipality landscape architect, landscape architect-planner.

A.8 Regulations







PART B

COMPETENCE REQUIREMENTS

B.1. The structure of the occupational qualification

Upon applying for this profession verification of obligatory competencies B.2.1 - B.2.6 and B.2.12 (transfersal competence) is required and, if desired, optional competences B.2.7 -B.2.11 are verified.

B.2 Competences

B.2.1 Managing the preparation of landscape architecture design projects

EstQF level 7

Performance indicators:

- manages the preparation of landscape architecture design projects by ensuring the quality of landscape architecture and integrity of building design projects, by forming a work group and ensuring the engagement of necessary specialists (eg responsible engineers of the required qualification, an architect, a designer, etc),
- in the process of preparing landscape architecture design projects leads the work of the work group (consisting of a landscape architect, architect, sculptor, technical team, etc) having established the objective to achieve the quality of a spatially complete solution;
- 3) identifies and balances the interests of different parties, considering the needs of the parties and important aspects (eg the needs of the users, the needs of the client, legislation, good practice, etc).

Supporting knowledge:

- 1) is familiar with the legislation regulating building design and with general technical regulations;
- 2) knows the principles of project management.

Assessment method(s):

Interview with a portfolio.

B.2.2 Preparing landscape architecture design projects in all stages

EstQF level 7

Performance indicators:

- having regard to the objective of the project identifies and analyses the location, the needs of the users, the possibilities of the client and after specifying the initial task prepares the operational plan for the design project;
- having regard to the initial task, creates a vision, spatial concepts and different sketches by applying the widest imagination possible and finding a functionally, socially, ecologically, constructively, aesthetically and economically balanced solution;
- 3) according to the sketches prepares landscape architecture solutions for the preliminary, principal and operational building design documentation to the appropriate extent and in compliance with the other parts of the building design documentation, ensuring the spatial integrity of the solution in the course of the whole designing and building process;
- understands the needs of the parties and finds reasonable solutions to the substantive problems raised in the course of the approvals process;
- 5) documents the graphical and textual part of the building design documentation clearly, ledgibly and understandably by using appropriate technical devices;
- in drawing up documents uses the correct Estonian language and occupational terminology;
- 7) consults the client in applying for a building permit, in order to protect the authorsip rights of the author(s) carries out the author's supervision over the landscape architecture part and checks the compliance of the building to the landscape architecture design of the building design documentation; if necessary, clarifies and supplements the landscape architecture design documentation during the building







process;

8) if necessary, prepares instructions for maintenance and use concerning the landscape architecture part.

Supporting knowledge:

- 1) has a command of the principles of the development, creation and functioning of landscape (external space);
- has a command of graphical design and word processing programs (visualising and wording skills);
- 2) has a command of the basic principles of the building design process and knows the requirements arising from the stage of the building design.

Assessment method(s):

Interview with a portfolio.

B.2.3 Managing the preparation of spatial plans

EstQF level 7

Performance indicators:

- 1) plans the work process of spatial planning, words the terms of reference, engages necessary specialists; identifies and engages interest groups, introduces and explains the spatial plan and, if necessary, arranges supplementing and/or modifying the planning solution;
- 2) in each stage of a spatial plan has an overview of the content and the objective of the spatial plan and can compare it with the experience of other countries; manages the cooperation of different specialists in order to achieve a solution compatible with the integrity, vision and strategical objectives of the spatial plan; obtains required approvals;
- 3) having regard to the spatial plan words its implementation measures and the hierarchy of activities based on the solution of the spatial plan and the possibilities of the local authority.

Supporting knowledge:

- 1) knows generally accepted theories of spatial planning and the development tendencies of the society;
- 1) is familiar with legislation in its general framework and knows the legal acts relevant for the profession (Planning Act, Cultural Heritage Act, Environmental Protection Act, Building Act, etc);
- 2) has a command of the principles and special cases of the planning process;
- 3) knows and considers generally accepted engagement methods.

Assessment method(s):

Interview with a portfolio.

B.2.4 Preparing the professional part of the planning in all types of planning

EstQF level 7

Performance indicators:

- analyses (if necessary as a member of the working team) the planned area by concidering the longterm tendencies and needs of its cultural (incl historical), natural, economical and social environment, identifies spatial possibilities and restrictions of a spatial plan considering the interests and needs of the widest range of members of the society;
- 2) based on the results of the analysis (if necessary as a member of the working team) creates different (preserving and/or innovative) spatial visions and spatial strategies and sketches for the spatial plan by finding functionally, aesthetically, ecologically, socially, culturally and economically balanced and sustainable solutions necessary for the society;
- 3) having regard to the selected sketch solution, prepares (if necessary as a member of the working team) a complete spatial solution which establishes grounds for the creation of an integral environment and is in compliace with the other parts of the spatial plan and the surrounding (urban) landscape;
- 4) introduces and justifies the solution of a spatial plan in the approvals and the disclosure process; in cooperation with the members of the working team considers and balances the justified interests of







the interested parties (incl users, owners, local governments, state authorities, the public) through spatial solutions;

5) documents the graphical and textual part of the spatial plan clearly, ledgibly and understandably by using appropriate technical devices; in drawing up documents uses the correct Estonian language and occupational terminology.

Supporting knowledge:

- 1) has a command of the principles of the development, creation and functioning of landscape (external space);
- 2) has a command of graphical design and word processing programs (visualising and wording skills);
- 3) has a command of the basic principles of the spatial planning process and knows the needs arising from the level of detail of the spatial plan.

Assessment method(s):

Interview with a portfolio.

B.2.5 Assessing the landscape part in spatial plans of all types, building design projects and buildings

EstQF level 7

Performance indicators:

- 1) compares measurable indicators of different types of spatial plans and assesses their compatibility;
- 2) compares measurable indicators of different types of spatial plans and the building design documentation and assesses their compatibility;
- 3) assesses the compliance of spatial plans, building design projects and buildings to regulations, the compliance of the building to the building design documentation.

Supporting knowledge:

- 1) is familiar with the legislation regulating planning and building design and with general technical regulations;
- 2) has a command of the principles of the development, creation and functioning of landscape (external space).

Assessment method(s):

Interview with a portfolio of works or parts of works.

B.2.6 Studying and assessing landscape

EstQF level 7

Performance indicators:

- 1) plans the research process, selects and/or adapts a suitable methodology; engages necessary experts and obtains required approvals, introduces the results of the study;
- 2) according to the methodology chosen describes communities and/or taxonomic units and, if necessary, their state, perspective, etc; if necessary, cooperates with experts (eg dendrologist, botanist, ecologist, arborist, gardener, etc); based on the chosen methodology does field work;
- according to the chosen methodology studies the cultural-historical development of landscape and/or a landscape object and determines its values; if necessary, cooperates with experts (eg historian, archeologist, restorer, etc); according to the chosen methodology does field and archive work and map analysis;
- 4) according to the methodology studies the spacial, cultural, ecological, social, functional, aesthetical, etc aspects of landscape; if necessary, cooperates with experts (eg geographer, sociologist, historian, etc); does field work according to the chosen methodology.

Supporting knowledge:

- 1) knows the basic principles of the development and functioning of landscape;
- 2) knows and considers generally accepted approaches and methods of studying landscape objects;
- 3) knows plant material and cultural history.







B.2.7 Preparing landscape protection plans and/or management plans	EstQF level 7
OPTIONAL COMPETENCES	
Interview with a portfolio of works or parts of works.	
Assessment method(s):	

Performance indicators:

- according to the nature of the landscape object and legislation plans the work process for preparing a landscape protection plan and/or management plan, selects and/or adapts suitable methodology, engages necessary experts and obtains required approvals;
- according to the chosen methodology collects source information, plans and does field work; analyses results and prepares a plan based on the results considering the existing values (incl spatial cultural, aesthetical, ecological, etc) and interests of the parties.

Supporting knowledge:

- 1) knows the basic principles of the development and functioning of landscape;
- 2) knows and considers generally accepted approaches and methods of studying landscape objects;
- 3) is familiar with the legislation regulating protection management;
- 4) knows plant material and cultural history.

Assessment method(s):

Interview with a portfolio.

B.2.8 Preparing special conditions for cultural heritage (if activity licence is available) and designing a cultural heritage object

Performance indicators:

- 1) having regard to the legislation and international agreements plans the work process, selects and/or adapts a suitable methodology, engages necessary experts;
- collects source information, among other things does archive and field work; analyses source information, brings out values and words special conditions (recommendations and requirements) for conserving values;
- 3) obtains necessary approvals and introduces the results.

Supporting knowledge:

- 1) is familiar with the legislation concerning cultural heritage;
- 2) knows the specifics of designing cultural heritage objects;
- 3) is familiar with archived materials and archives.

Assessment method(s):

Interview with a portfolio.

B.2.9 Assessing the environmental impact (if activity licence is available) and/or strategic assessment of environmental impact

Performance indicators:

- 1) having regard to the object and legislation plans the work process, forms a work team, arranges the process of preparing and the disclosure of the assessment programme, engages necessary experts; identifies and engages interest groups;
- 2) having regard to the object and legislation performs the initial analysis, identifies the need for impact assessment by engaging experts, on the basis of this participates in the preparation of the assessment programme;
- 3) according to the chosen methodology collects and analyses source information and assesses, as a member of the working team, landscape architectural (incl spatial, cultural, ecological, social, functional, aesthetical, etc) aspects of the environmental impact; if necessary, cooperates with







experts (eg acoustician, planner, sociologist, biologist, etc); participates in the preparation and disclosure of the report;

4) introduces and explains the results of the assessment, approves and, if necessary, arranges supplementing and/or modifying the assessment report.

Supporting knowledge:

- 1) is familiar with the legislation concerning environment;
- 2) knows generally accepted theories and development tendencies of the society;
- 3) knows and considers generally accepted research approaches and methods.

Assessment method(s):

Interview with a portfolio.

B.2.10 Participating in the preparation and the work of juries of architectural and landscape architectural contests

Performance indicators:

- 1) works out the conditions of intra-Estonian contests according to the good practice of arranging contests;
- 2) as a professional participates in the work of the juries of intra-Estonian contests evaluating the quality of the works and compliance with the contest conditions.

Supporting knowledge:

- 1) has a command of the principles of the development, creation and functioning of landscape (external space);
- 2) knows contemporary tendencies in architecture and landscape architecture.

Assessment method(s):

Interview and a curriculum vitae.

B.2.11 Working in the government or local authorities

EstQF level 7

Performance indicators:

- 1) administers the work of the field of architecture and building (landscape architecture part) by engaging necessary experts, following the law, representing public interest and good practice, if necessary, consults the parties;
- prepares, works out the conditions and carries out procurements concerning the administration of public space, carries out supervision; arranges the administration of public space by engaging specialists from other fields if necessary;
- 3) as a landscape architecture specialist participates in the work of different work groups, makes substantive proposals for the preparation and modification of legal acts and standards.

Supporting knowledge:

- 1) is familiar with legislation in its general framework;
- 2) knows the legislation and technical regulations on planning and building design;
- 3) has a command of the principles of the development, creation and functioning of landscape (external space).

Assessment method(s):

Interview and a curriculum vitae.

B.2.12 Transfersal competence	EstQF level 7
Performance indicators:	







- knows how to create complete and balanced spatial solutions relating their aesthetical and technical quality with the values of natural and built environment and cultural and historical context;
- understands human relationship with built environment and the relationship of the environment to be built with the existing environment taking into account the compliance of landscape with the needs of a human and the nature;
- understands the relationship between external and internal space, relations of public, semi-public and non-public space in different settlements;
- 4) understands spatial planning, engineering, building, use of buildings and preserving the environment as a single continuous comprehensive process which is the basis for creating a quality landscape;
- 5) understands and applies methods of foundation research and those used in related professions in preparing the terms of reference and spatial solutions;
- senses the wide selection of options, tests, analyses and assesses different spatial solutions, makes conclusions and choices which are based on sufficient theoretical, creative and practical grounds;
- 7) understands functional relations in spatial planning and landscape architecture design;
- 8) knows and applies different engineering knowledge at the level which enable to set tasks to the specialists preparing different parts of planning and building design projects;
- 9) considers the needs of landscape users by combining them with possibilities and restrictions and the principles of sustainable development; leads the preparation of professional documents (eg planning, building design, expert opinion, etc) as a team work;
- 10) in the planning, design and management process makes use of the most widespread communication devices;
- 11) understands the social role of the landscape architect's profession, takes social aspects into account and follows the code of professional ethics in one's occupational activity;
- 12) is willing to actively participate in civil society and has a tolerant attitude towards a diversity of approaches and values;
- 13) participates in team work, shows respect to one's colleagues and knows work culture;
- 14) is able to perceive space and see the influence of spatial change on a time line;
- 15) is able to visualise and word spatial development scenarios and future solutions.

Supporting knowledge:

- 1) History and theories of landscape architecture and related fields;
- 2) The principles of spatial composition, ecological processes;
- 3) Typology of urban planning and landscape architecture;
- The basics of architecture-related science and engineering, building techniques and technologies;
- Legal acts regulating spatial development, planning and building design and other acts of law related to the profession;
- knowledge about the basic relations between a human and the physical and socio-cultural environment; general understanding of changes over time in values, attitudes, beliefs and behaviour;
- 7) knowledge about establishing our cultural landscapes and their changes in time;
- knowledge about different land use types, their development in time, their inner functioning and their territorial requirements, interdependence and suitability;
- knowledge and skills about inventory and giving assessments to landscapes and sights, using geographical information systems and using computers both in the design and planning process;
- 10) economic and entrepreneural environment and their general trends;
- knowledge about physical and biotical principles of natural systems and ability to recognise their natural and potential value;
- knowledge about biology sciences (incl botany, dendrology, phytopathology);
- 13) knowledge about environmental sciences, landscape sciences, geodesy and topography, soil science;
- 14) knowledge about social sciences;







- 15) planning landscape maintenance;
- 16) recovering, reconstructing, restoring landscapes.

Assessment method(s):

Transfersal competencies are assessed integrated with other competences in the course of assessing the competences described in the occupational standard.







PART C GENERAL INFORMATION AND ANNEXES

C.1	Information on the preparation and approval	of the occupational standard, on the body awarding		
occ	occupational qualifications, and reference to the location of the occupational standard in classifications			
	·	19-06062012-2.13/3k		
	the register of occupational qualifications			
2.	The occupational standard is compiled by:	Mart Hiob, Artes Terrae OÜ, Estonian Landscape		
		Architects' Union		
		Katrin Koov, Estonian Academy of Arts		
		Andres Levald, E-Konsult OÜ, The Union of Estonian		
		Architects		
		Toomas Muru, Estonian University of Life Sciences,		
		Estonian Landscape Architects' Union		
		Nele Nutt, Tallinna Tehnikaülikool, Estonian Landscape		
		Architects' Union		
		Sulev Nurme, Artes Terrae OÜ, Estonian Landscape		
		Architects' Union		
		Sirle Salmistu, Estonian Landscape Architects' Union		
3.	The occupational standard is approved by	Sectoral Council for Culture		
4.	No. of the decision of the Sectoral Council	12		
5.	Date of the decision of the Sectoral Council	06.06.2012		
6.	The occupational standard is valid until (date)	05.06.2012		
	Occupational standard version No.	3		
8.	Reference to the Classification of Occupations	code 2162, Major group 2 "Professionals"		
	(ISCO 08)			
9.	Reference to the level in the European	EQF tase 7		
	Qualifications Framework (EQF)			
C.2 Title of occupational qualification in foreign languages				
	ise keeles - landscape architect			
Sak	sa keeles - landschaftsarchitekt			
Ven	e keeles - ландшафтный архитектор			
Soo	me keeles - maisema-arkkitehti			
Prantsuse keeles - architecte paysagiste				
Hispaania keeles - arquitecto paisajista/ arquitecto del paisaje				
C.3 Annexes				
Annex 1 Units and tasks				
Annex 2 Occupational terms				
Ann	Annex 3 Computer skills criteria			
Ann	ex 3 The scale of language level assesment			



4.1 Preparing a landscape protection plan and/or a management plan





ESF programm "Kutsete süsteemi arendamine"

Annex 1

UNITS AND TASKS

1. Preparing landscape architecture design projects in all stages
1.1. Analysing source information and preparing a project plan for the design process
1.2. Preparing concept(s) and sketch(es)
1.3. Preparing a landscape architecture design project
1.4. Participating in the approvals proccess
1.5. Documenting a landscape architecture design project
1.6. Participating in the process of applying for a building permit and building and in the process of
receiving an occupancy and use permit
2. Preparing the professional part of the planning in all types of planning
2.1. Studying the area of planning, analysing space and identifying possibilities and restrictions
2.2. Preparing spatial visions and planning sketches
2.3. Preparing a complete spatial solution for the planned area
2.4. Supplementing and, if necessary, modifying the planning solution according to the proposals
received from the approvers and interested parties
2.5. Documenting planning solutions
3. Studying and assessing landscape
3.1. Studying and assessing flora
3.2. Drawing up historical certificates
3.3. Studying and assessing landscape
4. Preparing landscape protection plans and/or management plans







OCCUPATIONAL TERMS Annex 2

Landscape – an area, as perceived by people, whose character is the result of the action and interaction of natural and/or human factors (European Landscape Convention) or outer space – total space outside the inner space of buildings comprising of the natural, culural and social environment, or in other words, external space (in the meaning of a landscape architecture design project described in the standard EVS 907:2010).

Landscape architecture design project - a separate building design project for a landscape architecture object or a landscape architecture design part of any building design documentation (incl layout) / the landscape architecture design project, as referred to in the standard EVS 907:2010, is a building design project, the object of which is landscape. In the standard EVS 907:2010 described as a set of necessary documents for designing landscape (architectural design, garden design, park architecture, urban design, etc), visual landscape assessing, landscape protection plans, restoring old parks, etc according to engineering regulations and standards and other relevant normative documents.

Landscape architecture object or landscape architecture part – total external space.

Professional field of architecture and building – in the meaning of ISCO.

Landscape planning – strong forwardlooking action to enhance, restore or create landscapes (European Landscape Convention)

Public, semi-public and non-public space – external space and object(s) in it that the public uses freely (public space) or with restrictions (semi-public space) or that is not open to the public (non-public space).