NATURAL RESOURCES AND THE ENVIRONMENT
Qualifications in Natural Resources and the Environment (vocational qualifications, further qualifications, and specialist qualifications) provide the student with the competence needed for various tasks in agriculture and forestry or other nature-based industries. The structural change of rural areas is bringing about new industries, operating methods, and forms of enterprise. Tasks in this sector must take into account the sustainable use of natural resources and environmentally friendly operations. The enlargement of the EU and the globalisation of markets pose challenges to competitiveness, particularly in the natural resources sectors.

Professionals with a qualification in Natural Resources and the Environment are employed by agricultural and forestry farms, horticultural enterprises, landscaping and forestry enterprises, and in the horticultural trade either as entrepreneurs or employees. The number of jobs in environmental and landscape management services is increasing. Those engaged in the natural resources and the environment sector work with animals, plants, and associated technology. The work frequently requires a good level of physical fitness and a capacity to work in variable conditions and a respect for nature. Customer service work also continuously creates growth opportunities in the sector. These include farm relief services, pet boarding services, agricultural machinery contracting and subcontracting, equine sector services, landscaping and plantscaping, forest, water system and environmental management services, and wilderness, nature tourism, and agritourism services.
VOCATIONAL QUALIFICATIONS

Vocational qualifications impart wide-ranging vocational competence needed in working life, specialist skills in the field, and capacity for further studies. The scope of a vocational qualification is 120 credits, mostly consisting of vocational qualification modules made up from on-the-job work and activity packages. In addition to compulsory vocational modules of the qualification, there is a large selection of optional ones, for example those that are part of other vocational qualifications. It is also possible to individually expand the qualification. Upper secondary vocational education and training also contain modules complementing vocational skills and optional modules. A vocational qualification can be taken in 2-4 years, depending on the student's basic education and work experience.

A vocational qualification can be taken through vocational upper secondary education and training or as a competence-based qualification.

At their discretion, students or candidates can take one or several modules of the vocational qualification at a time, whenever this is appropriate for their placement in working life. In that case, a plan covering the entire vocational qualification is prepared.

FURTHER AND SPECIALIST QUALIFICATIONS

For further qualifications, the students or candidates demonstrate their mastery of vocational skills required of an employee in the field, and in specialist qualifications, mastery of the most demanding tasks in the field.

The further and specialist qualifications consist of on-the-job work and activity packages. Compulsory and/or optional modules of the qualification are determined in the qualification requirements. The scope of further and specialist qualifications or their parts is not determined in credits.

Further and specialist qualifications are taken as competence-based qualifications.
Vocational Qualification in Agriculture
A student with a vocational qualification in agriculture is able to cultivate various plants for animal fodder or raw materials of foodstuffs. A holder of this qualification is able to care for animals, ensuring that they are fit to be used as high-quality raw materials for foodstuffs and other products. Competence areas in this field include not only plant and livestock production but agritourism, machinery contracting, further processing of agricultural produce, and providing environmental management services. New and growing competence areas are various forms of care services for pets and green care enterprises.

Titles:
- Rural Entrepreneur
- Animal Attendant
- Fur Farmer

A Rural Entrepreneur (study programme /competence area in Agriculture) works as an independent entrepreneur, or is employed as a worker or machinery contractor on larger farms. Jobs: Own enterprise, farms, teaching, or experimental farms.

Animal Attendant (study programme in /competence area in Animal Husbandry) works as an independent entrepreneur, farm relief worker or employee on a larger farm, or in a pet shop, on agritourism farms, and as a provider of animal boarding services.
Jobs: Own enterprise, farms, farm relief systems, teaching, or experimental farms.

Fur Farmer (study programme in /competence area in Fur Farming) feeds and cares for fur animals, prepares their fodder, and manages the environment.
Jobs: Fur farms, own enterprise.

Further Qualification in Livestock Farming
A professional of livestock farming is able to feed, care for, and handle animals and look after their wellbeing. He/she ensures the high quality of foodstuffs to be produced and provides services related to livestock entrepreneurship. A professional of livestock farming works as an independent livestock entrepreneur, farm relief worker, or head of farm-relief service, hoof carer, animal transporter, or as the supervisor or employee of a large farm.
Jobs: Farms, municipal farm relief units, own enterprise.

Further Qualification for Animal Attendants
An Animal Attendant is a professional of animal welfare. He/she is responsible for basic animal care in a veterinary surgery, zoo or animal boarding establishment, pet shop or research institute. He/she offers specialist welfare services, such as dog massage, obedience training for pets, and training for working animals.
Jobs: Veterinary clinics, zoos, pet shops, pet boarding establishments, own enterprise.
Further Qualification for Farmers
A farmer cultivates crops economically and ecologically, making use of new farming techniques. Depending on local conditions, he/she may specialise in the production of cereals for fodder or food, green fodder, leguminous green fodder, potato, sugar beet, oil plants, or energy plants.

Jobs: Farms, enterprises providing services related to agricultural machinery contracting, teaching or experimental farms, own enterprise.

Further Qualification in Artificial Insemination
An Artificial Inseminator is an expert in the fertility of cattle and pigs. He/she performs artificial insemination of bovines or pigs and provides fertility advice. He/she may deepen his/her expertise by specialising in cattle embryo transplants and preparation of breeding plans. After gaining experience, he/she can guide and advise student inseminators.

Jobs: Breeding organisations of the Faba service.

Further Qualification for Agricultural Mechanics
An Agricultural Mechanic is competent in the installation, maintenance, and repair of tractors and other agricultural and livestock farming machinery. He/she ensures the fault-free operation of agricultural and livestock farming machinery by means of preventive maintenance, repairs faulty machinery, performs warranty repairs and equipment installations, and purchases and sells accessories and spare parts.

Further Qualification for Apiarists
An apianist produces honey, plans the seasonal work phases of honey production, and maintains hive equipment, and takes the environment into consideration in these activities. An apiculturist also handles, packages, and markets honey and other bee products.

Jobs: Apiaries, own enterprise (often part-time).
Specialist Qualification in Rural Water Management
The holder of this qualification is a professional of water management with expertise in planning and supervising the water management of enterprises, communities, and inhabitants of sparsely populated areas and advisory services in water issues. The vocational field covers drainage, irrigation, waste water management, and measures to reduce scattered loading. He/she is frequently engaged in the planning of subsurface drainage.

**Jobs:** Own enterprise, rural advisory organisations, communities.

Specialist Qualification in Fur Farming
A holder of a Specialist Qualification in Fur Farming produces high-quality skins for industry raw materials while taking fur animal welfare and environmental aspects into consideration. His/her competence covers the various work phases of keeping fur animals and entrepreneurship development. A Fur Farmer directs fur farm employees and students.

**Jobs:** Fur farms, own enterprise.

Specialist Qualification for Laboratory Animal Attendants
A Laboratory Animal Attendant is an expert in the care and handling of laboratory animals. He/she ensures the welfare of laboratory animals and is responsible for their care and handling, or steps taken before and after an experiment period. He/she mostly attends to rats and mice, but also to pigs and sheep and other less common laboratory animals. He/she works as the supervisor of his/her workstation and is responsible for organising the practical aspects of research activities.

**Jobs:** University animal laboratories, experimental farms.

Specialist Qualification in Rural Development
A Rural Developer works in tasks aiming to develop and diversify rural enterprising. He/she works to assist people, communities, and entrepreneurs in rural areas.

A Rural Developer specialises in developing residential rural areas as well as rural industries and their operating environments.

**Jobs:** Regional authorities, municipalities, sub-regions, industrial organisations, regional multi-service centres, local action groups, finance providers, entrepreneurs’ organisations, institutes of learning, rural advisory organisations, forestry centres, 4H and agritourism organisations, own enterprise.
HORSECARE AND
MANAGEMENT

VOCATIONAL QUALIFICATIONS

Vocational Qualification in Horse Care and Management
A holder of a vocational qualification in Horse Care and Management is able to attend to horses and look after their welfare. A professional in horse care and management provides opportunities for outdoor exercise, sport and leisure activities. A student with a Vocational Qualification in Horse Care and Management may specialise in the care of race horses, basic training of riding horses, or horse breeding. He/she may also specialise in producing equestrian recreational services, work as a farrier, or engage in the manufacture of horse tack. He/she may also work as a riding instructor.

Titles:
- Groom
- Riding Instructor

A Groom (study programme in /competence area in Horse Care and Management) cares for, feeds, and handles horses of different ages. According to his/her area in specialisation, a Groom looks after race or riding horses or foals of different ages and breeding mares and stallions in the stable and on grass. A groom maintains, repairs, and makes various types of equipment. He/she pares the hooves and carries out basic shoeing. He/she may also work in a riding stable offering equestrian recreational services as the responsible manager of the stables and horses.

Jobs: Trotting and riding farms, stud farms, riding schools and other enterprises offering equestrian services, own enterprise.

A Riding Instructor (study programme in /competence area in Horse Care and Management) is responsible for caring for horses in a riding school. He/she also plans and instructs club activities in a riding school and liaisons with the local riding club. A holder of a Riding Instructor qualification receives an international riding instructor certificate corresponding with Level I granted by the Equestrian Federation of Finland.

Jobs: Riding stables, riding schools in Finland and abroad, equine colleges.

FURTHER QUALIFICATIONS

Further Qualification for Horse Trainers
A Horse Trainer is engaged in trotter training or equestrian horse training. His/her main task is to train and race horses. A Horse Trainer may also specialise in horse massage.

Jobs: Racing and riding stables, own enterprise.
Further Qualification for Farriers
A farrier is competent in attending to a horse’s hoof care and shoeing. He/she works in various stables and carries the farrier’s equipment and accessories in his/her car. In addition to skills in farriery, a farrier needs good skills in handling horses.

**Jobs:** Own enterprise.

Further Qualification for Riding Instructors
A riding instructor teaches riding enthusiasts of various ages in a riding school. He/she is responsible for planning and implementing the activities of a riding school. He/she personally has good skills in riding and handling horses. The Further Qualification for Riding Instructors corresponds with international riding instructor certificate Level II.

**Jobs:** Riding stables, riding schools in Finland and abroad, equine colleges, own enterprise.

Specialist Qualification for Farriers
A farrier is competent in attending to a horse’s hoof care and shoeing. He/she works in various stables and carries the farrier’s equipment and accessories in his/her car. In addition to skills in farriery, a farrier needs good skills in handling horses.

**Jobs:** Own enterprise.

Specialist Qualification for Riding Instructors
A holder of a Specialist Qualification for Riding Instructors masters the care and handling of horses in a comprehensive manner, is personally skilled in dressage, show jumping, and cross-country, and instructs groups of varying levels and different ages in riding: from classes for the handicapped and riding therapy to competitive riding. A Riding Instructor masters the theory and pedagogy of teaching and directs and markets his/her riding school in his/her role as an entrepreneur. The Specialist Qualification for Riding Instructors corresponds with international riding instructor certificate Level III.

**Jobs:** Riding and racing stables, experimental and teaching farms, stud farms and insemination services, own enterprise.

Specialist Qualification for Stable Managers
A Stable Manager is competent in stable enterprise as well as the health care and handling of horses, with the main task of assuming responsibility for the care of horses and the stable environment. A Stable Manager also plays a central role in the PR activities of an enterprise. A Stable Manager works as the supervisor of other employees in the stable.

**Jobs:** Riding and racing stables, experimental and teaching farms, stud farms and insemination services, own enterprise.

**SPECIALIST QUALIFICATIONS**

Specialist Qualification for Riding Instructors
A holder of a Specialist Qualification for Riding Instructors masters the care and handling of horses in a comprehensive manner, is personally skilled in dressage, show jumping, and cross-country, and instructs groups of varying levels and different ages in riding: from classes for the handicapped and riding therapy to competitive riding. A Riding Instructor masters the theory and pedagogy of teaching and directs and markets his/her riding school in his/her role as an entrepreneur. The Specialist Qualification for Riding Instructors corresponds with international riding instructor certificate Level III.

**Jobs:** Riding and racing stables, experimental and teaching farms, stud farms and insemination services, own enterprise.
Vocational Qualification in Horticulture

Gardeners work in versatile basic tasks in horticulture. Horticultural professionals provide safe and high-quality produce for the table, meet the customer’s wishes in garden landscaping, give advice for plant selection and make flower arrangements. The tasks in the horticultural sector change along with the seasons.

Title:
• Gardener

A Gardener (study programme in / competence area in Horticulture) grows high-quality horticultural products (vegetables, berries, and fruit) in greenhouses and outdoors. He/she has good technical skills and is able to safely use and maintain the machines and equipment needed in the work. He/she sorts, packages, and labels produce to be sold, according to regulations.

Jobs: Greenhouses, nurseries, or outdoor cultivations of vegetables, berries, and fruit.

A Gardener (study programme in / competence area in Landscape Industries) builds and maintains gardens, parks, exercise facilities, and playgrounds. A landscape industry gardener works with stone and timber materials to build gardens and green areas following plans. He/she can identify plants used in landscape gardening and is able to situate and handle them according to their growth requirements. In his/her work, he/she safely and efficiently uses and maintains machinery and equipment needed in landscape gardening.

Jobs: Park services of cities or municipalities, landscaping enterprises, congregations, golf courses.

Further Qualification in Arboriculture

A holder of a qualification in Arboriculture is able to identify common arborescent tree and shrub species. He/she prepares and implements management and repairs root system problems. He/she assesses the care needs of trees, plans and implements restorative pruning, and prepares cost estimates for management measures.

Jobs: Park services of cities and municipalities, organisations charged with the care of urban forests, own enterprise.

Further Qualification in Floristry

A Florist is a professional in floristry. A Florist has good manual skills and is skilled in customer service. A Florist is familiar with the plant materials he/she works with as well as the principles of form and composition. He/she
prepares flower arrangements and wreaths and decorates various facilities for everyday and special occasions.

**Jobs:** Almost exclusively small and medium enterprises in the private sector, own enterprise.

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**Further Qualification in Golf Course Maintenance**

A holder of a Further Qualification in Golf Course Maintenance is an expert in specialist lawns who maintains the green surfaces of a golf course and ensures that the course is fit for playing. His/her professional skills combine the use of live plant materials and hard technology. He/she monitors grass growth and uses the specialist machinery needed to maintain lawns.

**Jobs:** Private golf companies or clubs.

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**Further Qualification in Landscape Gardening**

A Landscape Gardener constructs and maintains various types of green areas. He/she masters both the growth requirements of plants in green areas and techniques of building with stone and timber.

**Jobs:** Park services of cities or municipalities, landscaping enterprises, congregations, golf courses, own enterprise.

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**Further Qualification in Interior Plantscaping**

An Interior Plantscaper designs, plants, and cares for house plants in public buildings and homes. He/she reconciles customer wishes with the architecture and other interior decoration of a building or room. He/she masters the biology of house plants, pot and planter properties, and aesthetics.

**Jobs:** Private enterprises, own enterprise.

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**Further Qualification in Wine Production**

A Wine Farmer is a skilled expert in fruit-based alcoholic beverages who produces and sells farm wine products and supplementary services in the sector. The supplementary services are most frequently associated with tourism.

**Jobs:** Farm wine enterprises, farms, agritourism farms, breweries.
**Specialist Qualification in Golf Course Maintenance**
A holder of a Specialist Qualification in Golf Course Maintenance assumes responsibility for maintaining a golf course. He/she is knowledgeable, not only in plant biology, but also in the rules and requirements of golf, and has competence in geotechnical engineering and landscaping. He/she produces short- and medium-term course maintenance plans and directs their implementation as a supervisor.

**Jobs:** Private golf companies or clubs.

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**Further Qualification in Nursery Gardening**
A holder of a Further Qualification in Nursery Gardening can identify horticultural plants, is competent in cultivation techniques, and uses machinery and equipment in a versatile manner. His/her competence also covers product development and marketing. **Jobs:** Greenhouses, nurseries or outdoor cultivations of vegetables, berries, and fruit, own enterprise.

**Specialist Qualifications**

**Specialist Qualification in Floristry**
A holder of a Specialist Qualification in Floristry produces, sells, and develops products and services in the sector and showcases his/her specialist competence in the field, such as demanding flower arrangements. He/she also works as a supervisor and work instructor. **Jobs:** Florist's shops, teaching tasks, own enterprise.

**Specialist Qualification in Landscape Gardening**
A holder of a Specialist Qualification in Landscape Gardening builds and maintains green areas. He/she works as a foreman or in a supervisory capacity, or as an entrepreneur in landscaping contracts. His/her work combines a versatile knowledge of plants and technical competence. **Jobs:** Park services of cities or municipalities, geotechnical and hydraulic engineering, private landscaping enterprises, congregations, golf courses, own enterprise.

**Specialist Qualification in Golf Course Maintenance**
A holder of a Specialist Qualification in Golf Course Maintenance assumes responsibility for maintaining a golf course. He/she is knowledgeable, not only in plant biology, but also in the rules and requirements of golf, and has competence in geotechnical engineering and landscaping. He/she produces short- and medium-term course maintenance plans and directs their implementation as a supervisor. **Jobs:** Private golf companies or clubs.
VOCATIONAL QUALIFICATIONS

**Vocational Qualification in Fishery**
A holder of a Vocational Qualification in Fishery is skilled in a wide range of basic tasks in the fishery industry. He/she may also specialise in fishing, fish processing, fish trade, aquaculture, or fishing tourism.

**Titles:**
- Fisher
- Fish Farmer
- Fish Processor
- Fishing Instructor

**A Fisher** (study programme in / competence area in Fishery) is studying to become a professional fisher. He/she fishes, processes fish, and delivers fish for sale. He/she is knowledgeable in safe navigation.

**Jobs:** Fishery industry enterprise, fishing vessel, own enterprise.

**A Fish Farmer** (study programme in / competence area in Fishery) knows how to extract roe needed for aquaculture and manages the most important tasks related to early-phase and further growing of fish and crayfish.
**Jobs:** Aquaculture enterprise, own enterprise.

**A Fish Processor** (study programme in / competence area in Fishery) processes fish, crayfish, and shellfish as raw material. From these, he/she manufactures high quality products economically and hygienically.
**Jobs:** Fish processing plant, own enterprise.

**Fishing Instructor** (study programme in / competence area in Fishery) works in guidance and customer-service tasks in a fishing tourism enterprise.
**Jobs:** Fishing tourism enterprise, own enterprise.
Further Qualification for Fish Processors
A Fish Processor manufactures various types of fish products from fresh fish. He/she masters the reception, size and quality classifications, cooling, and storage of fish. A fish processor guts and filets fish and collects, processes, and packages roe.
Jobs: Fish processing plant, own enterprise.

Further Qualification for Fish Farmers
A Fish Farmer attends to and handles cultivated fish and crayfish species using aquaculture techniques. He/she is able to build aquaculture structures, use and maintain machinery, equipment, and tools used in the industry and take into account the environmental perspective.
Jobs: Enterprise producing fish for food or fingerlings, own enterprise.

Further Qualification for Fishing Guides
A Fishing Guide is able to combine core competence in fishing and tourism. He/she plans and organises fishing events and associated supplementary services. A professional in fishing is able to guide customers out on the water safely, and he/she instructs various customer groups in fishing.
Jobs: Fishing tourism enterprise, own enterprise.

Vocational Qualification in Forestry
A holder of a Vocational Qualification in Forestry is an expert in silviculture and timber harvesting tasks. He/she carries out forest regeneration tasks and clears and thins out trees following forest management instructions. His/her competence also includes organising nature tourism, operating a forest machine, mechanical haulage of timber over short distances, and transport of timber by road. New competence areas include forest machine mechanics and forest-based energy production.

Titles:
• Forest Worker – Forest Services Producer
• Forest Machine Operator
• Forest Machine Mechanic
• Forest-based Energy Producer.

A Forest Worker – Forest Services Producer (study programme in / competence is a professional in timber harvesting and forest management. He/she harvests timber and manages forests in an ecologically sustainable manner.
Jobs: Machinery enterprises, forest industry enterprises, forest management associations, Metsähallitus, municipalities, cities, own enterprise.

Forest Machine Operator (study programme / competence area in Forest Machinery Operator) masters mechanical timber harvesting. He/she
manages the felling and harvesting of all timber qualities. He/she harvests timber in an ecologically sustainable manner.

Jobs: Machinery enterprises, forest industry enterprises, forest management associations, Metsähallitus, municipalities, cities, own enterprise.

Forest Machine Mechanics (study programme / competence area in Forest Machine Mechanics) is a professional in installations, maintenance and repairs of forestry machines. He/she ensures fault free operation of forestry machines by means of preventive maintenance, repairs faulty machinery, performs repairs under warranty and equipment installations and purchases and sells accessories and spare parts.

Jobs: Forestry enterprises, forestry machine trade, own enterprise.

Forest-based Energy Producer (study programme in / competence area in forest-based energy production) grows, harvests, and processes wood for energy, peat, and energy plants.

Jobs: Forest industry enterprises, forest management associations, Metsähallitus, municipalities, cities, own enterprise.

FURTHER QUALIFICATIONS

Further Qualification in Bioenergy
A professional in bioenergy grows, harvests, and processes wood for energy, peat, and energy plants. He/she combines environmental responsibility and cost-effectiveness with customer service skills.

Jobs: Municipalities, cities, bioenergy enterprises, own enterprise.

Further Qualification for Forest Machine Operators
A Forest Machine Operator is a professional in mechanical timber harvesting. He/she manages the felling and harvesting of all timber qualities. He/she harvests timber in an ecologically sustainable manner.

Jobs: Machinery enterprises, forest industry enterprises, forest management associations, Metsähallitus, municipalities, cities, own enterprise.

Further Qualification for Forestry Entrepreneurs
A Forestry Entrepreneur works as a machine contractor, a further processor of timber, or works in other tasks in forestry enterprises. He/she may specialise in enterprise planning, forestry enterprising, private forestry, timber trade, contract law, and other task areas of the Further Qualification for Entrepreneurs. In addition, he/she may specialise in timber harvesting, on-site sawing, timber construction, specialist timber trade, or Christmas tree and cut branch production.

Jobs: Farm, enterprises engaged in further processing of timber, forestry enterprises, own enterprise.

SPECIALIST QUALIFICATIONS

Specialist Qualification in Bioenergy
A holder of this qualification is a professional of mechanical timber harvesting and its development. He/she plans, organises, consults in, and carries out the felling and harvesting of all timber qualities.

Jobs: Machinery enterprises, forest industry enterprises, forest industry enterprises, forest management associations, Metsähallitus, municipalities, cities, own enterprise.
enterprises, forest management associations, Metsähallitus, municipalities, cities, own enterprise.

**Specialist Qualification in Forestry**
A holder of a Specialist Qualification in Forestry is competent in forest and forest ecosystem management. He/she organises and carries out forest and environmental management measures in an ecologically sustainable manner at demanding sites and provides advice in forestry issues. He/she may specialise in the multiple use of forests, the operation and maintenance of forestry equipment, or forest planning. His/her work combines environmental responsibility and forestry entrepreneurship.

**Jobs:** Forest management associations, Metsähallitus, municipalities, cities, other forest organisations, own enterprise.
VOCATIONAL QUALIFICATIONS

Vocational Qualification in Natural and Environmental Protection
A holder of a qualification in natural protection is engaged in nature guide services and eco-tourism or the nature-based product sector. A professional of the environmental sector, on the other hand, is engaged in environmental management of cities and urban and rural areas, or in environmental management tasks in agriculture and forestry as well as the industries and enterprises. Professionals in this sector produce versatile nature and environmental sector services. Some of the fields in this sector have long traditions (such as reindeer farming), while others are new and growing fields (such as environmental protection).

Titles:
• Environmental Operative
• Nature Instructor
• Natural Resources Producer
• Nature and Environmental Advisor
• Reindeer Herder

An Environmental Operative (study programme in / competence area in Environmental Protection) maintains and manages the built-up environment and the nature. He/she recognises and maintains various types of environmental sites and selects management methods for them. He/she prepares various types of reports on the environment, soil, water, air, and the state of the
environment in general. An Environmental Operative sorts waste and performs various waste management tasks. **Jobs:** Environmental management enterprises, other enterprises, municipalities, cities, own enterprise.

**Nature Instructor** (study programme in / competence area in Natural Protection) works in various practical guiding tasks associated with the nature, mainly in the tourism, leisure time, and wellbeing services sector. He/she is skilled in hiking in the nature and vividly describes natural phenomena and their causes. A Nature Instructor accompanies various customer groups in experiencing the Finnish nature. A Nature Instructor professionally uses the tools needed in arranging tourism services and various nature activities. **Jobs:** Tourism and nature-based product enterprises, own enterprise.

**Natural Resources Producer** (study programme in / competence area in Natural Protection) is an expert in making use of the local environment in a sustainable manner. He/she collects in the nature raw materials needed in the profession or cultivates natural plants that complement his/her product range. He/she can make use of berries, herbs, mushrooms, twigs, leaves, lichen, or natural plants as decoration or various products. Fields experiencing growth are advisory services, organisation of exports, and product development and further processing for production. **Jobs:** Agricultural and forestry, food industry and tourism and nature-based product enterprises, natural resources enterprises, own enterprise.
Nature and Environmental Advisor (study programme in / competence area in Natural Protection) guides and directs citizens in responsible consumption. He/she also assesses the environmental impact and risks of various activities and gives guidance in preparing sustainable development action plans.  
**Jobs:** Cities, municipalities, enterprises, organisations, associations, own enterprise.

The tasks of a Reindeer Herder (study programme in / competence area in Reindeer Farming) include securing nutrition based on the natural seasonal changes and prerequisites for reproduction for the reindeer. A Reindeer Herder can slaughter and joint a reindeer in the field. He/she masters the use of machines, equipment, and tools as well as various structures needed in the field.  
**Jobs:** Own enterprise, reindeer industry enterprises, organisations and associations.

**FURTHER QUALIFICATIONS**

**Further Qualification in Nature-based Production**  
A holder of a qualification in Nature-based Production can identify plants, berries, and wild mushrooms of commercial significance, their imitators and the most common toxic species. He/she also collects, handles, and processes specialist nature-based products. A holder of this qualification is qualified as a Berry, Herb, and Mushroom Advisor. This will entitle him/her to organise training that qualifies the participants for the commercial picking of berries, mushrooms, and herbs, and to issue qualification cards.  
**Jobs:** Nature-based product enterprises, own enterprise.

**Further Qualification in Reindeer Farming**  
A professional in reindeer farming makes use of the conditions in the northern environment for attending to and grazing reindeer. He/she identifies and handles reindeer and provides them with markings. A reindeer farming professional can slaughter and joint a reindeer in the field. He/she uses the machines, equipment, and tools of the sector. He/she masters the processing of reindeer meat and is able to develop, price, and market reindeer products.  
**Jobs:** Reindeer industry enterprises, organisations, and associations, own enterprise.

**Further Qualification in Wilderness and Nature Guide Services**  
A Wilderness and Nature Guide naturally combines wilderness survival skills and guide services while taking the customers out. A Wilderness and Nature Guide is particularly knowledgeable in the conditions of the area and locality where he/she works as a guide. He/she plans and organises various excursions, including board and lodging, in all seasons, at all times of the day and night, and in all weather conditions.  
**Jobs:** Tourism service enterprises, own enterprise.

**SPECIALIST QUALIFICATIONS**

**Specialist Qualification for Berry, Herb and Mushroom Inspectors**  
A Berry, Herb and Mushroom Inspector identifies a large variety of plants, mushrooms, and berries, in particular recognising edible and
toxic species, and assists the authorities. He/she is able to collect and prepare for sale plants, mushrooms, and berries, and preserve these using various methods. He/she trains berry, herb, and mushroom pickers and plans and implements exhibitions and information events in the sector.

**Jobs:** Nature-based product enterprises, own enterprise.

**Specialist Qualification for Nature Surveyors**
A Nature Surveyor is able to identify various groups of organisms extensively. He/she can identify the Finnish forest and peatland types and the most important classification categories for plants found in water systems, shores, and cultivated areas. A nature surveyor draws conclusions on the occurrence of species and issues recommendations for habitat management and preservation. He/she prepares samples for collections and is able to draw up written reports of a surveyed area.

**Jobs:** Enterprises of the sector, the public sector, own enterprise.

**Specialist Qualification in Game Management**
A holder of a specialist qualification in Game Management knows the Finnish and most important Central European game species and other animals. He/she is an expert in game species ecology. He/she draws up game management plans and harvesting plans for elk, white-tailed deer, and roe deer stock. He/she is able to make equipment and structures needed for game management and hunting. He/she organises hunting events and supervises hunting, and guts, skins, and joints the bag.

**Jobs:** Game management associations, game districts, enterprises, own enterprise.

**OPPORTUNITIES FOR FURTHER STUDY**
Vocational qualifications and further and specialist qualifications give the student a general eligibility for further studies at universities of applied sciences and at universities. For those with a vocational qualification, the natural paths for further studies include qualifications from a university of applied sciences in the natural resources field or a Bachelor of Natural Resources (Agriculture), a Bachelor of Natural Resources (Horticulture), Bachelor of Natural Resources (Ichthyology), Bachelor of Natural Resources (Forest Engineering), or Bachelor of Natural Resources (Environmental Planning). At a university, students can take such qualifications as a Bachelor of Science (Agriculture and Forestry) or Master of Science (Agriculture and Forestry). Pedagogical studies for a vocational teacher give eligibility for further education for the tasks of a vocational teacher.

**For more information, visit:**
www.oph.fi
www.koulutusnetti.fi
www.ammattiosaaja.fi