

Competence statements of responsibility

In the Savo Consortium of Education, we aim to build a future that is ecologically, culturally, socially, and economically sustainable. Our most significant responsibility is to educate new skilled professionals for the local workforce and to provide further training opportunities for those already advanced in their careers.

Several fields have formulated competence statements in environmental responsibility, outlining the environmental expertise that graduating students from our institution possess. Explore the competence commitments in various fields of study.

Field of study	Competence statements of responsibility
Restaurant and Catering	<ul style="list-style-type: none"> • I recognise and compare key environmental impact of different raw-materials. • I recognise seasonal raw-materials and take them into account in menu planning. • I know how to find, and understand, information on the country of origin of products. I know the most common environmental labels (e.g. ORGANIC FOOD). • I work economically and reduce food waste both in preparation and storing of food. • I predict the number of customers and consumption of food. I plan menus and orders in a way that minimises food waste. • I master energy-friendly food preparation processes by optimal use of equipment, timing work phases and exploiting pre heat and residual heat as well as automation. • I choose eco-friendly detergents and dose them correctly. • I clean professional kitchen equipment and instruments using methods that are energy efficient and economical. • I use water optimally and sparingly. • I inform customers about the origin and environmental aspect of products. • I reduce the amount of waste and sort waste correctly.
Food industry	<ul style="list-style-type: none"> • I can apply seasonal thinking in product design • I can compare the environmental impacts of different raw materials • I can reduce food waste both in storage and in food preparation • I can prevent waste generation and correctly sort the generated waste • I can choose environmentally friendly and appropriate detergents and use them in the correct amounts • I use water appropriately and economically • I manage energy-efficient manufacturing processes by scheduling work stages correctly and utilizing pre- and post-heating as well as automation • I can assess the environmental friendliness of packaging materials and package food while conserving materials • I can handle used oil from frying • I am aware of the environmental impacts of palm oil
Cleaning and Property Services	<ul style="list-style-type: none"> • I plan the implementation of cleaning work in an environmentally friendly manner. • I manage pre-prepared cleaning and use water efficiently in cleaning tasks. • I measure cleaning agents accurately and use them safely. • I choose suitable detergents that have minimal impact on the environment. • I clean and maintain the cleaning machines and tools I use. • I sort waste according to the waste management plan. • I monitor the condition of spaces, equipment, and machinery and report maintenance needs. • I carry out tasks in accordance with the service agreement.

Tourism	<ul style="list-style-type: none"> • I master the principles of eco-tourism and I know how to plan environmentally responsible touristic services. • I research, and inform customers of, local touristic sights and cultural heritage. • I understand the significance of socially, culturally, economically and ecologically sustainable tourism. • I choose ecological detergents and dose them correctly. • I command the concepts of world heritage site, conservation area, national park, strict nature reserve and Natura site. • I am familiar with methods of decreased consumption of water and energy in a company. • I understand the principles of circular economy. • I prevent creation of waste and sort waste correctly. • I know everyman's rights. • I know how to use digital marketing programmes.
Nature Tourism	<ul style="list-style-type: none"> • In service planning, I consider the principles of sustainable development and design responsible services. • I implement outdoor catering in an environmentally responsible manner and utilize local ingredients. • I am familiar with the natural values of the area, take them into account in service planning, and highlight them in customer service. • I prevent the generation of waste and correctly sort the generated waste, even in outdoor conditions. • I guide customers to act responsibly in nature. • I know methods to reduce the company's water and energy consumption.
Social and Health Care	<ul style="list-style-type: none"> • I guide and involve the customer in environmentally responsible actions. • I know how to utilize the natural environment to promote health and well-being. • I choose suitable detergents, materials, and equipment that have minimal impact on the environment and guide their use. • I observe the condition of spaces, equipment, machinery, and tools, and report maintenance needs. • I sort waste according to the waste management plan. • I manage safe medication and the handling of medications as waste. • I operate in a collaborative and compassionate manner towards others in a socially sustainable way.
Pharmaseutics	<ul style="list-style-type: none"> • I guide customers in sorting pharmaceutical waste. • I identify and sort the waste generated in my work. • I understand the significance of waste in terms of the environment and the economy. I can prevent the generation of waste. • I review order suggestions and make necessary adjustments to reduce waste. // I select appropriate packaging materials and pack products carefully and efficiently. • I adhere to the ethical guidelines of pharmacies, respecting equality and freedom of choice. • I handle chemicals safely. • I utilize electronic materials. • I measure cleaning agents accurately and use them safely. • I monitor the condition of spaces, equipment, and machinery and report maintenance needs.
Hairdressing and Beauty Care	<ul style="list-style-type: none"> • I plan and implement the service with a customer-centric approach, taking into consideration the customer's needs. I seek feedback on my work and use it to enhance my professional skills.

	<ul style="list-style-type: none"> • I interact with the customer individually and respectfully. • I choose environmentally friendly professional products, as well as cleaning and disinfecting detergents. I measure them accurately and handle them safely. • I am familiar with and apply legislation related to services and cosmetics in my work. I know where to find information and seek assistance in case of problems. • I work in an environmentally friendly manner, respecting nature. I recycle and sort the waste generated in my work. • I take care of my well-being at work. • My attitude and approach to work are working life oriented.
Business and administration	<ul style="list-style-type: none"> • I am familiar with the operating environment and my local market area. I promote local and regional collaboration. • I act as a responsible member of the work community. I familiarise myself with workplace practices and act accordingly. • I understand the significance of waste for the environment and the company's economy. I can prevent the generation of waste. • I can explain the origin and life cycle of a product or service and communicate them to customers. • I operate with respect for equality and multiculturalism. • I understand the opportunities of the circular economy in business. • I identify and sort the waste generated in my work.
Arts and Design	<ul style="list-style-type: none"> • I design sustainable and recyclable products, taking into account the customer's preferences. • I use materials sustainably and strive to utilize recycled materials. I repair and maintain precious metal products. • I recycle precious metals and reduce material waste. • I maintain machines, equipment, and tools. • I handle chemicals safely.
Media and Visual Expression	<ul style="list-style-type: none"> • I guide customers towards material-efficient, electronic, and environmentally friendly solutions in the planning and execution of marketing communication. • I identify and sort the generated waste. • I stay abreast of the rapid development trends in electronic and digital tools related to communication. • I operate with respect for equality and multiculturalism.
Motor Vehicle Sector	<ul style="list-style-type: none"> • I use replacement parts in repairs when it is appropriate. • I choose environmentally friendly chemicals, measure them correctly, and handle them safely. • I perform maintenance on air conditioning systems safely and handle refrigerants in accordance with regulations. • I understand the structure, operation, and safety aspects of electric and hybrid vehicles. • I conduct exhaust gas measurements and ensure that the vehicle's emissions and safety meet legal requirements. • I use lifting doors efficiently to avoid heat loss. • I assess and anticipate the need for car maintenance. • I sort the waste generated in my work.
Aircraft Maintenance	<ul style="list-style-type: none"> • I understand the environmental impacts of the industry and methods for reducing harmful environmental effects. • I can sort the waste generated in my work.

	<ul style="list-style-type: none"> • I reduce the amount of waste by favoring reusable products and materials (e.g., absorbent mats and protective gloves). • I minimize heat loss in the transfer of machinery. • I handle chemicals safely and correctly.
Logistics	<ul style="list-style-type: none"> • I can drive economically. I know the factors that affect fuel consumption. • I choose equipment suitable for the transport task. • I plan and select an appropriate and economical route for the transport task. • I monitor the condition of the equipment and perform daily maintenance tasks. // I am familiar with the company's environmental systems and can operate according to them. • I guide the customer in sizing suitable shipment batches. • I can monitor and optimize the utilization and fill rate of transports. • I sort and recycle the waste generated in my work. • I am familiar with alternative fuels and know their impact on emissions.
Mechanical Engineering and Product Technology	<ul style="list-style-type: none"> • I operate energy-efficiently in my work. • I plan and execute tasks in a way that minimises material waste. • I identify and sort the waste generated in my work. • I take care of the machines and equipment at my disposal to ensure their longevity. • I am familiar with the principles of 3D printing and its potential applications. • I operate with respect for equality and multiculturalism.
Laboratory Technology	<ul style="list-style-type: none"> • I plan my work to minimize material waste. • I design my work to use equipment efficiently and water conservatively. • I minimize the amount of chemical waste generated by using only the necessary amount of chemicals for the task. • I handle and store chemicals safely. • I sort and dispose of chemical waste and other generated waste safely. • I can anticipate the consumption of supplies and reagents, planning orders timely to minimize transportation and ordering costs. • I plan time usage efficiently and economically. • I ensure the functionality of laboratory equipment and perform maintenance. // I adhere to the quality requirements of the laboratory.
Agriculture	<ul style="list-style-type: none"> • I understand the significance of soil fertility and structure and can consider it in crop planning and cultivation practices. • I can interpret soil fertility analyses and plan and implement fertilization according to the need. I can utilize legumes in biological nitrogen fixation. • I assess the need for plant protection and implement plant protection measures accordingly. • I comprehend the environmental impacts of agriculture and consider promoting biodiversity in agricultural environments. • I understand the species-specific behavior and needs of animals and can respond to them, promoting animal welfare. • I understand the environmental impacts of agriculture, environmental goals, and can consider them in management. • I can operate in a material- and energy-efficient manner and identify sustainable solutions for the future.
Forestry	<ul style="list-style-type: none"> • I am familiar with the silvicultural recommendations for sustainable forest management and the important habitats specified by forestry law, and I consider them in forest management. • I am aware of the requirements of forest certifications (FSC, PEFC) and adhere to them in forestry operations.

	<ul style="list-style-type: none"> • I am aware of the guidelines for good forest management in economic forests (nature conservation, game management, and landscape management), and I take them into account in forest management. • I am familiar with environmentally friendly fuels and lubricants and handle them, along with other chemicals, safely. • I use forestry machinery efficiently and understand the factors that affect fuel consumption. • I manage the proactive maintenance of forestry machinery. I can perform daily and weekly maintenance on the equipment. • I take preventive measures and make preparations for potential chemical or other environmental risks on logging sites.
Horticulture	<ul style="list-style-type: none"> • I am aware of sustainable plant and material choices and can guide customers. • I can identify invasive species and their control methods in an environmentally responsible manner. • I operate to reduce material waste. • I can take care of soil fertility and understand the significance of carbon sequestration and water usage. • I am aware of environmental systems in the field.
Surface Treatment	<ul style="list-style-type: none"> • I can assess the material consumption and produce the product using only the necessary amount. • I can identify and choose a more environmentally friendly alternative. • I manage the safe use of chemicals. I use personal protective equipment as needed and ensure the proper storage and disposal of chemicals according to the instructions. • I sort the waste generated in my work. • I take into account the increasing environmental awareness of customers.
Process Technology	<ul style="list-style-type: none"> • I am aware of environmental systems and understand their principles of operation, and I work according to the organization's environmental guidelines. • I understand the environmental impacts of process industries and can take them into account in practical work. • I can use chemicals sparingly and safely, considering the environment. • I am aware of renewable energy sources. • I understand the significance of material-efficient operations, the utilization of by-products, and the circular economy.
Construction	<ul style="list-style-type: none"> • I identify and sort the waste generated at the construction site. • I work in a way that conserves water, energy, and materials. • I can choose chemicals that have minimal impact on the environment and handle and store them safely. • I construct with respect for the environment and nature, avoiding unnecessary alterations to the natural surroundings. • I use machines and equipment correctly and monitor their operational condition. • I understand the importance of dust control and can choose the right work methods to reduce dust hazards. • I work and operate according to drawings and plans. • I operate with respect for equality and multiculturalism.
Electrical Engineering	<ul style="list-style-type: none"> • I can choose an energy-efficient product for installation. • I am aware of alternative energy sources. • I can minimize material usage and correctly sort and recycle waste for reuse.

<p>and Automation</p>	<ul style="list-style-type: none"> • I understand the importance of good installation practices to avoid environmental risks. • I can guide the client in the commissioning of electrical devices and their energy-efficient operation. • I can implement solar energy solutions, wind power, wireless control systems and electric vehicle charging stations depending on the chosen specialization.
<p>Building Maintenance Technology</p>	<ul style="list-style-type: none"> • I am familiar with the materials used in the field and can choose the ones that are best suited for the intended purpose. • I use materials economically, reducing waste. • I sort the waste generated in my work. • I assess and anticipate my work performance to minimize transportation needs. • I can guide the customer in making environmentally responsible choices. • I can guide the customer in the energy-efficient use of building systems
<p>Information and Communication Technology</p>	<p>Qualification titles: Network Installer, IT Support Specialist, Well-being Technology Installer, Software Developer</p> <ul style="list-style-type: none"> • I choose devices that are suitable for the purpose, energy-efficient, and maintainable. • I can extend the lifecycle of devices by maintaining and updating them. • I can design sustainable services tailored to the needs of customers. • I guide customers in the energy-efficient use and management of machines and systems. • I minimize, sort, and recycle the waste generated in my work. • I stay updated on the latest advancements and emerging solutions in my field.
<p>Safe and Security</p>	<ul style="list-style-type: none"> • I can consider environmental issues in the work environment and act according to guidelines. • I can assess environmental risks at the workplace. • I can create guidelines related to environmental safety. • I can evaluate the safe storage of hazardous substances. • I can utilize technical and electronic systems in my work.
<p>General Upper Secondary School</p>	<ul style="list-style-type: none"> • The student is media-literate and can critically evaluate information. They can identify the author's objectives and understand their impact on the content of the text. • The student is familiar with and practices various methods of influence. • The student can critically assess their own practices and the effects of their actions. • The student is aware of their opportunities for influence both within their educational institution and outside of it.