



HVAC and Property Maintenance Programme

ENGELSKA

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Skolverket

The HVAC and Property Maintenance Programme is a vocational programme that leads to a vocational diploma.

The programme is intended for students who wish to work with technical systems in buildings providing heating, ventilation, water and sanitation, and also property services.

You can start working immediately after you finish the programme, or continue your studies in vocational higher education. You can also choose to study additional courses to be eligible for further studies in higher education.

FOUR DIFFERENT ORIENTATIONS

Property

- You learn about service, operations, maintenance, construction of systems in energy technology facilities, and functions of systems and their related components. The orientation enables you to work as e.g. a property technician, caretaker or property manager.

Refrigeration and heat pump technology

- You learn about installation, service, operations and maintenance of e.g. ice rinks, cooling and refrigeration counters and heat pumps. The orientation enables you to work as e.g. a technician or fitter in cooling or refrigeration.

Ventilation technology

- You learn about service, operations, maintenance, measurement, adjustment, and functions of different ventilation systems and fault tracing. The orientation enables you to work as e.g. a ventilation technician.

HVAC

- You learn about installation, service and maintenance of heating and sanitary systems. The orientation enables you to work as e.g. a fitter in HVAC, industrial piping or insulation of technical installations.

This is what you learn from the programme

You learn about installation, fault tracing, repairs, operations, maintenance, control technology and energy optimisation. You develop skills enabling you to deal with other people and develop your sensitivity to their needs. You also learn to manage and maintain properties, technical facilities and systems. You deepen your knowledge of how resources can be used effectively to save energy and minimise impact on the environment.

Great emphasis is attached in the programme to working environment issues in order to avoid occupational injuries and build good health.

How the programme is organised

In the vocational programmes, the foundation subjects are: English, physical education and health, history, mathematics, science, religion, social studies, Swedish or Swedish as a second language. In vocational programs, you study more vocational subjects – subjects specific to the programme – and fewer of the subjects you studied in compulsory school.

The programme specific subjects are: practical electricity, systems knowledge, and tools and material handling.

You get the opportunity to specialise and further broaden your knowledge in the programme. This is referred to as "programme specialisation". Check with the school to find out what specialisation courses it offers.

You also have an individual option where you can choose what you want to study. Ask the school what courses it provides.

Working approaches

In the programme you develop your ability to provide service to contractors, clients and customers, and learn about the opportunities for running your own business. You work independently and together with others using both new and well-tried methods. You develop skills in planning, carrying out, documenting and quality assuring the work.

Diploma project

Towards the end of the HVAC and Property Maintenance Programme, you complete a diploma project in your chosen professional area. You can then show that you have the knowledge needed to start working in the area related to your education.

Workplace-based learning

Parts of the education take place at one or several workplaces for a period of at least 15 weeks and are referred to as workplace-based learning (APL). This is an important component of the education. APL gives you the experience and contacts that can be useful when you're applying for a job.

Apprenticeship education

If the school provides upper secondary apprenticeship education in the programme, you can choose this. You get the same knowledge but do at least half of your education at one or several workplaces.

Some points to think about

If you want to get basic eligibility for higher education, it is important that you plan your studies. You need to study two more courses in Swedish or Swedish as a second language, and a course in English. You always have the right to choose an individual option, and you can also choose an expanded programme. Talk to your study and vocational guidance counsellor if you want to continue your studies.

You always have the right to choose another course in physical education and health, and an aesthetic course in the individual option.