

2009

Skive Technical Institute



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Kongsvingervej 1
7800 Skive
Denmark

Skive Technical Institute (STI) is a modern educational institution, where both traditional workmanship and modern IT-technology are united in attractive learning environments. We offer a wide range of professional training programmes, from basic vocational training to higher technical education.

Lifelong learning

For STI, it is important to provide a breeding ground for lifelong learning. Another objective is to create innovative environments that should promote enterprise and independence. OLC - Open Learning Centre - is practised more and more often. The teachers work as consultants, and in large learning environments, several activities may be in progress at the same time. The pupils work at their own speed, and they learn from each other. The pupils assume joint responsibility for their own learning.



Experts in woodworking

Within the woodworking industry, STI has a large influence on the success of the Danish furniture industry. Over the last 30 years, STI has educated more than 70% of the skilled workforce within the furniture and woodworking industry in Denmark.

Facts about Skive Technical Institute

The school has 160 employees, 85 being teachers and consultants. Some of our teachers and consultants have specialised within certain technical fields and provide both teaching and consultative assistance for companies. In 2008, the school had an annual turnover of 82 million DKK.

In 2008, the school had in all 710 student full-time equivalents.

The board

The Board of Governors is composed of representatives from leading companies in the industries concerned, local and national employers' organisations, the country and city councils and government representatives. In the new board the trainees have 2 representatives.

Each branch has its own steering group made up of leading professionals and representatives from the trades concerned.



The boarding house

Our boarding house, bePage the school, near the river Kaup Å, has facilities for 245 trainees and 25 students. The beautiful landscape may be enjoyed from the living rooms or by strolling along the river.

Education and courses

The keyword at STI is *learning by doing*.

The school has specialised in vocational education within the following main courses: Joiner, cabinet-maker, wood-working machinist, carpenter, tool maker, electrician and interior decoration. Furthermore, STI offers supplementary training and consultative assistance.



The Higher Technical-exam (HTX)

Qualifies for further education for instance at universities or engineer studies, on equal terms with other education at upper secondary level.

Another education is at the Danish KVVU-level, the short-cycle higher education course, at an academic level, for becoming a production technologist, specialised within wood technique, tool construction, machine construction, operation technique, and finally, innovator, where product development, furniture trends, sales and marketing are connected.

Vocational Education and Training (VET)

A period of Basic Vocational Training for 20-60 weeks is needed to qualify for the three year Vocational Education and Training.

The VET system encompasses programmes of durations from 18 months to 5.5 years that are divided into two parts: a basic course, which is broad in its scope and a main course, in which the trainee specialises within a craft or a trade.

There are 12 basic courses:

- animals, plants and nature;
- body and style;
- building and construction;
- cars, aeroplanes and other means of transport;
- electricity, controlling and computer technology;
- facility service;
- food production, processing and preparation;
- media production;
- production and development;
- transport and logistics;
- commerce;
- health, care and pedagogics.

After this follows a three-year apprenticeship, where the student changes between working in a designated company and studying at STI. The periods of study at STI vary from 5 to 10 weeks, and makes up a total of about 1/3 of the three-year period.

We offer teaching, supplementary training, advising and consultancy within the following training programmes:

Cabinet-maker

The cabinet-maker produces different types of furniture in many types of wood, especially spruce, pine, and hardwood types. They work with product development and production of prototypes.

Joiner

The joiner produces, assembles and mounts elements for buildings - doors, windows and shop fittings.



Woodworking machinist and wood turner

This craft goes hand in hand with the operating of advanced CNC-controlled machines and CAD/CAM drawing systems.

Furthermore, a shorter education within the area of woodworking machinist is called industry operator, mainly for people over the age of 25 years.

Another similar education is the production assistant – a “narrow” woodworking machinist.

Carpenter

The carpenter typically works with erecting roof constructions, putting up ceilings, putting in doors and windows, and with mounting kitchens and furniture.

Toolmaker

The whole education is only offered at two schools in Denmark, and Skive Technical Institute is one of these. The toolmaker produces tools for casting plastic and metal items, or tools for cutting or bending metal items. Modern technology is used, for instance programming of CNC-controlled machines.

Electrician

Electricians work with both power current and low current installations in new buildings and rebuilding of blocks of flats and enterprises. This may include lighting, heating, electronic data, fiber optics, processing and control of automatic plants.

Upholsterer

The only school in Denmark, who offers these types of education, is Skive Technical Institute.

The upholsterer designs and draws upholstery for furniture, and eventually produces these things out of various materials.

Car-upholsterer

The car-upholsterer produces and repairs upholstery for chairs for cars, trains and aeroplanes.

Curtain decorator

The curtain decorator works with customer advising, manufacturing and mounting of all types of curtains. It may also be stage curtains.

Technical Upper Secondary Education (HTX)

This is a three-year technically emphasized education at upper secondary level. The technical Gymnasium is based on project-oriented learning. Much of the time, the students work across subjects testing the theoretical part of the learning by practice in laboratories or workshops.



Post Secondary Technical Education / Academy (KVU)

The production technologist is a short-cycle higher education course, at an academic level, of two years at school, with special subjects such as wood technique, tool construction, machine construction, operation technique, and finally, innovator, where product development, furniture trends, sales and marketing are connected. A concluding project is finally made in cooperation with a company.



Supplementary training

Skive Technical Institute has a wide range of courses, based on the Danish AMU-courses (job retraining programme), which are continuously renewed. This implies both technical-professional courses and "soft" courses, which develop human resources and support processes of change. All courses can be tailored for the needs of the company.

Tailor-made courses for the business community

With its service and course concept, STI is a partner with whom confidence, quality and development are keywords. IT-based solutions are a natural part of the everyday-life in a company. In this field, STI carries through ordinary courses and CNC/CAD/CAM courses.

Organisation development in companies

The school's HR-department (Human Resources) also work as a sparring partner for companies. We work with management training and consultative assistance within the fields of employee development, teambuilding, personal profile analysis and special technical fields (lean production etc.).



Projects

Projects are developed in cooperation with the school's network and are carried through by the various departments of the school. The subjects of these projects are focused on technical professional qualifications, pedagogical and technological development tools to methods for developing human resources. The projects are financed via regional, national or EU-funds.

In the Second Chance project <http://www.secondchance.utu.fi/> Skive Technical Institute was partner, whereas in DEWEBAS www.dewebas.org and E-WOOD www.e-wood.org Skive Technical Institute is the overall coordinator.



Development and personnel management

The school benefits from the interaction between the professional vocational training, the technical high school and the higher technical degrees. We maintain a strategy of being a strong centre for competence, especially within the wood-working industry, tool making industry, electrical technology, and interior furnishing and decorating.

International relations and networks

Although the STI has strong local bonds, the school has many international contacts, which result in exchange of teachers and pupils, in development projects or consultancy jobs.

During the years 2008 to 2010 we expect to exchange students with:

Savonlinna ammatti- ja aikuisopisto an upper secondary vocational college in Finland, which is combined of six separate schools providing vocational training in several sectors. <http://www.samiedu.fi/?90> and with whom we have worked together for many years.

Vocational College of Aunis is an upper secondary vocational college, which is providing vocational training in several sectors the main one being wood technology: high quality furniture and accessories (joinery + computer-aided joinery + cabinet-making) <http://hebergement.ac-poitiers.fr/l-surgeres/index.htm>

The Vocational College Beckum educates within two main areas: the professions of nutrition and home economics as well as social and health Studies. And technical professions in the fields of metal, wood, construction and painting technology additionally to electronics and information and communication technology.

At the moment about 140 teachers provide education to approximately 3100 students.

<http://www.berufskolleg-beckum.de/>



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