

**WHERE
TECHNOLOGY
AND ICT
MEET BUSINESS
AND DESIGN.**

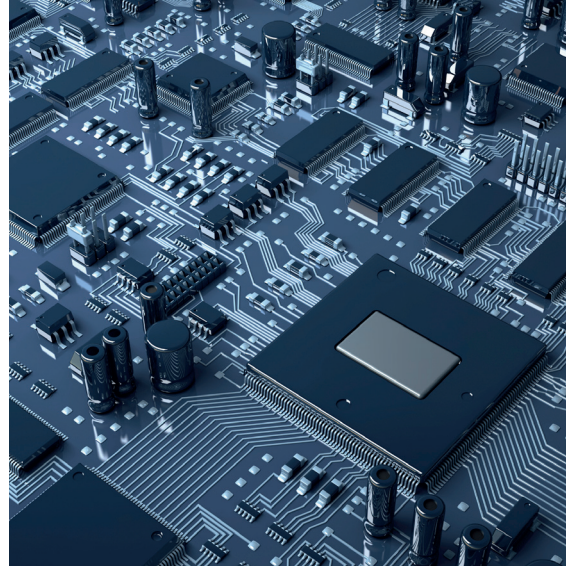
**SCHOOL OF ENGINEERING AND
INFORMATION TECHNOLOGY**

Within the Avans University of Applied Sciences, the School of Engineering and Information Technology located in s'Hertogenbosch, the Netherlands, offers the following educational programmes: Industrial Engineering, Mechanical Engineering, Information Technology, Electrical Engineering, Computer Engineering and Communication, Multimedia and Design. Around 150 employees provide daily, an education for our 2,500 students. The academy holds the achievement "Investors in people", a recognition of a good employer.

All 6 educational programmes that the School of Engineering and Information Technology offer are ranked in the top 2 within the Netherlands. CMD, Electrical Engineering, Information Technology and Industrial Engineering are the best programmes within the Netherlands. Information Technology, Electrical Engineering and Industrial Engineering also hold the label "Top Educational Programme" Mechanical Engineering and Computer Engineering are very well placed in the rankings as number 2.

SE&IT - Pleasure to meet you

The School of Engineering and Information Technology offers top higher education programmes within the domain of information technology, engineering, and creative technology. According to the national student survey, the programmes are highly ranked in terms of student satisfaction. The top educational programmes are taught by professional teachers, who challenge students to get the best out of themselves. The work field sees our academy as a partner in a sustainable cooperation, whereby innovation and sharing knowledge are forerunners.



Brief overview of our educational programmes

INDUSTRIAL ENGINEERING

We lead our students to become specialists in optimizing processes within technical and service orientated organizations. We teach them to improve processes not only on an operational level but also on a tactical and strategic level. IE students are active in all aspects of an organization, such as purchasing, production, sales and product design. Our students advise companies using integral solutions based on process optimization, logistics, change management, innovation, and sustainability. Of course, all the while keeping in mind the goals of the company, the wishes of people involved, social developments and technological possibilities.

MECHANICAL ENGINEERING

Mechanical Engineering students design and construct machines, tools, fabrications, processes, and products. For these, they think of clever and innovative solutions. In order to do this, they use their knowledge regarding (new) materials, parts, and production techniques, always taking into consideration any economic or social factors.

ELECTRICAL ENGINEERING

Electrical Engineering students explore the smart world and smart industry. They are mostly busy with anything that means easier and quicker production. They are able to optimise production processes through the use of hard and soft ware and guide these processes in an industry. The students specialize in optimising factories' production processes and industrial tools. After their studies, our electro technicians become an essential part of technical innovations.

INFORMATION TECHNOLOGY

Our ICT students learn everything about developing software and automatization projects. They investigate



the requirements of the software and know how to translate these into working computer programmes. The students also look into business information systems and how it is possible to keep up to date with the help of ICT. As software and automation are no secret to them, our ICT graduates can advise companies as to the best ICT solutions.

COMPUTER ENGINEERING

Hardware and software come together in the subject of Computer Engineering. In this educational course, students learn how to programme. They also get an insight into process control, the ins and outs of industrial apparatus and the connecting of these to the Internet. Our engineers are sent into the work force with a passion for everything digital and technological. This, they use to improve software and make it more user friendly.

COMMUNICATION, MULTIMEDIA AND DESIGN

CMD students experiment with the media of the future and design for the media of today. Our CMD graduates are specialists in designing interactive products, services, and experiences. Employers are not aware of the majority of these applications. In short, they have a feeling for new developments and technology.

LINKING WITH THE BUSINESS WORLD AND ABROAD

By bundling our knowledge together, we love to work closely with innovative companies in the region. Doing this enables us to keep up to date with changes in all our subject areas, therefore ensuring a contemporary education. We deliver knowledge, for example, if your company has a practical assignment or a research question. Or maybe you are looking for a work placement student. Through all of these possibilities, our students can, during their studies frequently come into contact with practical knowledge. Thus, you are able to benefit from young upcoming talents. The business world is enthused with our academy's graduates. A good sign that there is a match between us and the business world.

Would you like to know more about the opportunities to work together with the School of Engineering and Information Technology? Please contact Monique Putters, Relations coordinator, mfm.putters@avans.nl

TECH LAB

Our TECH Lab literally and figuratively plays an important role in our educational programmes. In our TECH Lab, we ensure that students are ready for the real world

**EXPLORE
DESIGN
CREATE.
TECH-LAB**

by experimenting with technology. Alongside innovative technical experiences, the TECH Lab allows our students to work on multi-disciplinary collaborations, projects, and company assignments.

CENTRES OF EXPERTISE

Avans University of Applied Sciences has several centres of expertise. A centre of expertise comprises of several lecturers who carry out research within their own subject area. Our academy participates in the following centres: Sustainable Business (ESB), Sustainable Innovation (EDI) and Art and Formation (EKV) . More information about the centres can be found on avans.nl

MINOR PROGRAMMES

Our academy offers several minors, where students can widen their own knowledge or delve further into new knowledge. We develop our minors together with the business world. Our minor portfolio attracts many students from other academies, which creates an interesting mix of knowledge sharing.

The minor programmes we currently offer are:

Mechanical Engineering: *Offshore Engineering and Machines in Motion*

Industrial Engineering: *Change Management*

Electrical Engineering: *Digital systems*

Information Technology: *Software architecture, Business Intelligence, & ICT governance and Corporate Performance Management.*

Communication, Multimedia and Design:

Meaningful Data Design and Creative Sensing.

OUR VISION TOWARDS SUSTAINABILITY

We guide our students to become responsible and critical professionals. They use their gained knowledge in an accountable fashion. Looking towards the long term future they are aware of the consequences of their decisions and approaches. They look for innovative solutions, which are also economically viable. This is our interpretation of sustainability. Therefore, the close relationship we have with our business world is an unmissable factor. However, sustainability also plays an essential role within the internal organization of our academy.

Employees of the School of Engineering and Information Technology are critical regarding their own approaches. We create an open environment , whereby we can feel free to discuss with others how we treat our surroundings and each other. Thus, giving a good example to our students and making them aware of our joint responsibility to a sustainable world.

CONTACT

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2017