Industrial Design Engineering

Programme in brief

The Industrial Design Engineer plays an essential role in the development of new products ranging from medical devices to office furniture. As a designer, you need to understand user needs as well as being able to specify the right materials and manufacturing processes. Industrial Design engineers consider how their work affects society. They make design decisions ensuring the optimum effectiveness of the resources used without compromising the quality or purpose of the product. They are able to act in different cultural settings and are aware of the need for sensitivity when designing and working across international boundaries

Content of the programme

Within this study programme, you will learn about the process of designing new products. From concept development and prototyping to production and bringing a product to market. You will need to understand how people will use your products, how to make them, and the impact your products have on the world around you. Aesthetics, production methods, materials, and user-centred-research are all part of the programme. From the start, you will do projects in which you apply the learned theory. In the fifth and eighth semesters, you do internships. In the sixth semester, you choose to study abroad or to do a specialisation at Fontys.

What to expect from us

You can expect to acquire the knowledge and skills needed to become a successful ID engineer. In class, during workshops, you get the opportunity to work with different materials like wood, metals, and plastic. Moreover, you can expect us to stay up-to-date with the latest industry developments. We invest in modern tools like 3D-printers and laser cutters.

We will support your development by providing appropriate academic and personal development guidance in all phases of your study. We have an open-door policy; our team of academic and support staff is readily approachable.

What do we expect from you

Are you curious, creative, accurate, and have a drive to create? Are you interested in design, technology, and people? Do you want a career that brings these together while improving existing products or developing new ones? Then we can teach you to make connections between theory and practice so you can apply them appropriately to solve problems you might face when you design.
Most importantly: understand that your success is mainly dependent on the level of effort you are prepared to give to your studies.

Intake
September

Degree
Bachelor

Education form
Full-time

Places
Venlo

Language of study
English

Contact

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The Fontys way of studying

"The Fontys way of studying" is likely different from studying in your home country. We expect students to not merely study from books, but we expect them to look for solutions to problems themselves (which we call Problem Based Learning). This also means that lecturers expect you to actively participate during discussions. Moreover, you'll need to write reports, solve problems in groups, conduct research and learn how to present solutions. This could mean that you have to adapt to the local culture, as this is likely different than what you are used to. Our approach does require some responsibility and initiative from your side. Nevertheless, in the end you'll see that this approach prepares you very well for the job market after your studies.

Study costs and living expenses

EU/EEA students
€1,104 (year 1)
€2,209* (years 2, 3 and 4)

Non-EU/EEA students
€10,660* per year

*Tuition fees will increase with about 7% annually. Costs for books and readers are not included. These tuition rates are without engagement.

Monthly living expenses Accommodation: €450 Food: €200 Other costs: €150 Visa costs: €315 annually (if needed) All-in insurance (optional): €442 (annually)

Every EU/EEA bachelor student can get a loan to pay its tuition fees. Students that work next to their studies are entitled to further loans. More information can be found on www.duo.nl.

Why study at Fontys?

We offer education which prepares you for the job market. We do so by staying in constant contact with the working field. While teaching we provide you with the required theory, consequently we will ask you to implement this theory into practice by means of different projects, such as writing a business plan. We do so, since you'll need to put your knowledge into practice too when you're ready with your studies. Special about studying at Fontys and appreciated by students is our open door policy. This means that it is easy for you to ask lecturers questions and ask for their feedback.

Career prospects

The business field has an increasing demand for BSc graduates in the field of Industrial Design Engineering. After graduation, you could, among others, work as:

- Product Developer
- Product Designer
- Design Engineer
- Design Consultant
- Research & Development Manager

Additionally, you can top-up your bachelor with a master's degree. A Master's degree allows you to pursue your interests in more depth and to expand your network.

Admission requirements

As a prospective bachelor's student you must have a diploma of higher secondary education that is equivalent to Dutch standards. Some equivalent international diplomas are the senior high school diploma GCE, British GCE A-levels, or the French Baccalaureat. Nevertheless, since every country has its own school system we will check your diploma once we have received it from you. For the language requirements please refer to fontys.edu.

Open days

We organise several (online) open days throughout the year. On this day you can meet lecturers and students, learn about the different study programmes and get an impression of our campus. They are organized during the following months:

- November 2021
- January 2022
- March 2022

More info, check our website.

How to apply

For instructions regarding the application procedure, please refer to the study programme of your choice at fontys.edu.

Accommodation

It is not easy for international students to find accommodation in the Netherlands. Therefore, Fontys offers a service to provide students with assistance in securing suitable furnished accommodation for the first period of their studies at Fontys. Fontys can only guarantee housing for a limited number of students. Therefore, we strongly recommend that you keep on trying to find a room yourself.