



Come and study at Odisee

Biotechnology

Commercial Sciences and Business Studies

Education

Health Care

Industrial Sciences and Technology

Social and Community Work



Studying at Odisee

Odisee is a university college consisting of 6 campuses in Aalst, Brussels, Dilbeek, Schaarbeek, Ghent and Sint-Niklaas. These are dynamic centres of education, research and social services, located in the heart of Belgium. Odisee offers a team-based education with a personal approach. Our experience gives you the knowledge, skills and confidence for your further career. We offer you the opportunity to broaden your horizon by meeting new people from all over the world. Your study will become a new challenge where science meets the art of education.

History and atmosphere

Flanders is a little pocket of easy-to-reach towns and cities, teeming with history and atmosphere. Wherever you wander you will find café terraces (serving the world's strongest beers), lively markets, gastronomic restaurants and great shopping. In the capital, Brussels, you will discover a large amount of contrasts. Brussels is a place rich in art and architecture, treating you to its local specialties and its friendly atmosphere.

European cities nearby

As public transport in Flanders makes moving around quick, safe and easy, it gives you the freedom to visit and experience student life in Belgium to the fullest. And if you would like to explore the rest of Europe during your stay, you will be delighted to find cities like London, Paris, Cologne or Amsterdam all within a radius of 300 km. These cities are easily accessible by high-speed trains and cheap plane tickets.

Accommodation

Our housing departments on the different campuses will offer you help in finding the right housing solution for you. You can rent a student room through our student services on our campuses in Aalst, Ghent and Sint-Niklaas.

The number of student rooms for a short term stay on the private market in Ghent and Brussels are very limited. It is important to start your search in time. For practical information and questions related to housing, please contact the international relations office.

Application

To apply for registration, follow the procedure as described on our website. A link to the online application will be sent to you after you have been nominated by your home university. Complete the application and send the following documents to the international relations office: incoming.exchange@odisee.be.

A complete application consists of:

- ✓ Signed application form
- ✓ Passport picture
- ✓ Copy of identity card
- ✓ Transcript of records signed and stamped
- ✓ Proof of health insurance
- ✓ Proof of third party liability insurance (for non EEA-inhabitants)
- ✓ Learning agreement

Deadline for exchanges in autumn semester (Sept – Febr): 15 th of June

Deadline for exchanges in spring semester (Febr – June): 15 th of November

BIOTECHNOLOGY

Agro- and Biotechnology

Content

Foreign students who are interested in Agro- and Biotechnology are more than welcome to join our trainee programme. Opt for your particular interests in one of our study programmes of Agrotechnology, Animal Care, Agriculture or Green Management.

Students can choose between two types of traineeships: a traineeship of 30 days or one of 55 days. Both traineeships are done at one of the college's partners in the workfield: a company, institution or organisation in the field of agro- and biotechnology. The selection of the receiving organisation is made in consultation with the incoming student, the school and the partner.

Evaluation of both traineeships is done by a comprehensive system of reports and oral evaluations. Students can also opt to write a bachelor's thesis at Odisee.



- Traineeship in Flanders I (12 ECTS)

We can offer you a traineeship at a Belgian company from our database, ranging from Agriculture, Green Management, Nutrition to Animal Care. We also maintain a close contact with renowned research institutions such as ILVO (Institute for Agricultural and Fisheries Research), INBO (Institute for Nature and Forest Research) etc.

- Bachelor thesis (15 ECTS)

Within our study area, we have established well-developed applied scientific research, which means that we can offer you a wide range of contemporary themes. In addition to our own research centre for Aquaculture (Aqua-ERF) we maintain a good relationship with other research centres in order to meet your specific field of interest.

- Traineeship in Flanders II (26 ECTS)

We can offer you a traineeship at a Belgian company from our database, ranging from Agriculture, Green Management, Nutrition to Animal Care. We also maintain a close contact with renowned research institutions such as ILVO (Institute for Agricultural and Fisheries Research), INBO (Institute for Nature and Forest Research) etc.

- ✓ Number of European Credits: 26 or 27
- ✓ Spring Semester
- ✓ These courses are open to Agro- and Biotechnology students
- ✓ Practice and observations, self-study, presentations
- ✓ The traineeship and bachelor thesis will be organized at another location; they are, however, managed from the Odisee Campus Waas in Sint-Niklaas

COMMERCIAL SCIENCES AND BUSINESS STUDIES

International business programme

Content

Study programme in Sep-Dec (14 ECTS) or in Sep-Jan (19 ECTS) including:

- Accounting module

(Belgian versus International Accounting, Financial Reporting and Management, An Introduction into IFRS and Consolidation, or Financing growth and innovations in SME's)

- Informatics module

(Usability & interaction Design, ICT & Organisation, Information Management, System Management, Integration Project Software, Integration Project Internet and Cloud, Content Management, Mobile & Internet, ICT Organisation, Software Engineering, Network management & Information Security)

- Languages

(French advanced & International and Intercultural Communication in English)

- Law and Economics module

(Doing Business in the European Union, Micro Macro Economics, Principles of Law)

- Logistics module

(Safety and Security in Logistics; Dangerous Goods, Purchasing & Logistics, Business Projects)

- Management module

(Business Strategy, Quality Management, Innovation and the Young Entrepreneur, Communication Management, Human Resources Management, Real Estate Management, Foreign Trade, Business Ethics)

- Marketing module

(Sales and Consumer Interaction, Advertising and Promotion, Consumer Behaviour, Commercial Budgeting)

- Work placement module

✓ **Number of European Credits : 20 or 30**

✓ **Autumn Semester**

✓ **Prerequisites**

This course is open to Business Studies students (marketing, commercial sciences, office management, informatics, ...)

✓ **Teaching Methods**

Lectures, workshops. During the placement period, students work four days per week and attend lectures or coaching one day per week at Odisee

✓ **This course is implemented at the Odisee Campus in Brussels**

EDUCATION

E³ : empowering education in a European context

Content

This international module aims to create a European learning community of teachers with a focus on

- Teaching in Europe, Europe in teaching
- Professional teamwork
- Education for citizenship (in a globalised world)
- Intercultural communication in education

The programme is open to all students, enrolled in a teacher training programme, who wish to professionalize their teaching skills in a European context. The content applies to pre-primary, primary and secondary education. The programme offers a combination of theoretical modules (lectures/group work/school visits/blended learning) and a practice-oriented module. The practice-oriented module contains 2 weeks of practice (school observation, co-teaching, development of educational materials, ...) and several traineeship days. Students work with a digital portfolio.

Organisation:

- 1) Study exchange programme between 4 universities/university colleges
- 2) Facilitating Erasmus Study for incoming students and outgoing students
- 3) Broaden teacher trainees' educational competences by offering a 30 ECTS semester package in English
- 4) Strengthening international teaching competences

- ✓ **Number of European Credits : 30 (including 6 ECTS for teaching practice)**
- ✓ **Spring Semester**
- ✓ **This course is open to all Teacher Training students from Pre-primary, Primary and Secondary Teacher Training. Students should have completed the first half of their studies**
- ✓ **Lectures, workshops, self-study, group work, practice, excursions and reflections in a digital portfolio**
- ✓ **This course is implemented at 4 different university colleges: Odisee (Belgium), Pädagogische Hochschule Steiermark (Graz, Austria), Universitat Autònoma de Barcelona (Spain) and University College Copenhagen (Denmark). In 2017-2018 the course will be implemented in Copenhagen**

EDUCATION

Educational Research on Natural Science and Technology (ERNST)

Content

This international module aims to create an international learning community of teachers with a focus on the didactics of science and technology education. It offers a conceptual approach to science and technology education, using an everyday language, within contexts taken from reality, fitting in a conceptual framework. The in depth study includes the study of content knowledge and didactics and an introduction into research in science and technology education and doing practical experiences in school and STEM (Science Technology Engineering Mathematics)-academy. At the same time we study the influence of the digital revolution and the cultural context on education.

- ✓ **Number of European Credits: 6, 24 or 30**
- ✓ **Spring Semester:**
- ✓ **mid-January – end of January (Enhanced Studies)**
- ✓ **mid-February – mid-June (ERNST)**
- ✓ **The courses are open to all Teacher Training students. The content applies to Pre- primary, Primary and Secondary Education. Students should have completed the first half of their studies**
- ✓ **Lectures, workshops, self-study, group work, presentations, observations and practice**
- ✓ **Both courses are implemented at Odisee Campus Waas in Sint-Niklaas (near Antwerp)**

- **Natural science (9 ECTS)**

This course focuses on reality based problems using the scientific method and integrating technology, biology, chemistry and physics. There will be school based practical experience every week as well as taking part in a free time STEM-academy program.

- **Educational research on natural science and technology (9 ECTS)**

We learn the basics of educational research methodology: from problem to literature review, from research question to research design, from research practice to present on a mini-conference on Educational research in Natural science and technology.

- **Cultural and educational science (6 ECTS)**

We explore the influence of culture on education and, more specifically, on science education. The second part of this course focuses on the digital revolution in education and the execution of information technology in education.

- **This module can be combined with Enhanced Studies**

Enhanced Studies ES

Enhanced studies (6 ECTS) is a special program Odisee organizes together with Canterbury Christ Church University College which starts half January and lasts for two weeks. We study the Flemish educational system with visits to preprimary, primary and secondary school and special interest on learning languages and problem of students with another mother tongue than the learning language in school. A second special interest is on 'inclusion' of special educational needs (SEN) in general education.



HEALTH CARE

Biomedical Laboratory Technology

Content

In these courses you choose laboratory work because you want to join the research of diseases in humans, plants or animals. The meticulous execution of laboratory research is the focal point of the program. Each affiliated laboratory offers a wide range of laboratory tests and uses up to date instrumentation.

TRAINEESHIP

- Traineeship short (15 ECTS – study load 375h)
- Traineeship long (20 ECTS – study load 500h)

Students are taught by experienced technologists. They accurately prepare and execute analyses and experiments based on the principles of biomedical technology and integrate quality and safety. Students keep a diary of the executed assignments and write a biweekly report.

PROJECT WORK

- Project short (15 ECTS – study load 375h)
- Project long (20 ECTS – study load 500h)

Students search literature on the field of study and create a portfolio about the research. During the project they accurately complete the various steps of biomedical methods under supervision, acting in a problem solving manner. They write a coherent and traceable report about the multiple experiments and give a presentation about the work.



- ✓ Number of European Credits: 15 or 20
- ✓ Spring or Autumn Semester
- ✓ These courses are open to Biomedical Laboratory Technology students
- ✓ During the placement period students work five days per week
- ✓ Students work in a lab of a university faculty, hospital or company near the Odisee Technology Campus in Ghent from where the traineeship and projects will be managed

HEALTH CARE

International Nursing Education Programme

Content

Do you feel like taking care of people in various contexts, based on a theoretical background? The Nursing Education Programme will train you to become a professional who understands society, works efficiently, who can organize and contribute to the quality of healthcare. You will accumulate and refine technical and social skills and will be prepared for employment in a broad range of healthcare domains.

Autumn Semester:

- Work placement (17 ECTS)

Students are doing a work placement during 10 weeks.

In combination with Study Programme :

- Medical English (3 ECTS)

More information about Medical English:

<http://associatie.kuleuven.be/p/flandershealthcare/medicalenglish>

Spring Semester:

- Work placement (17 ECTS)

Students are doing a work placement during 10 weeks.

In combination with Study Programme:

- International Nursing Education Programme/Tour of Flanders (3 ECTS)

2 weeks in March with 4 themes offered at different Flemish University colleges.

More information about the Tour of Flanders: <http://associatie.kuleuven.be/p/tourofflanders>

- Medical English (3 ECTS)

More information about Medical English: <http://associatie.kuleuven.be/p/flandershealthcare/medicalenglish>

- ✓ Number of European Credits
Autumn semester: 17 or 20
Spring semester: 17, 20 or 23
- ✓ This course is open to Nursing students. Students who have completed the first half of their studies
- ✓ Lectures, discussion groups, joint projects, role-playing techniques, educational visits and case-based studies
- ✓ The work placement can take place on the Odisee Campus Dirk Martens in Aalst, Campus Brussels or Campus Waas in Sint-Niklaas. The Medical English course is implemented at Campus Terranova in Brussels. The study programme 'Tour of Flanders' is implemented at different Flemish University colleges.

HEALTH CARE

Medical Imaging

Content

The PACS Management Module (20 ECTS) offers the necessary skills and knowledge in order to be able to manage the different work flows in the PACS system, understand the needs of current end-users, the storage and sharing of digital imaging.

This PACS module consists of the following courses:

- Management & HICT (3 ECTS – study load 75h)

Get involved with the 'industrial management' of the department to maintain a high-end ICT support. Learn all about electronic patient records, the ethics of data and apply the knowledge during demonstrations and visits.

- Image Processing (3 ECTS – study load 75h)

The 'image' of the future is not only about showing information. It allows to extract, combine and quantify information on the demand of the end-user, such as radiologists but also other physicians, like surgeons, use more and more processing software. Learn all about this 'other' image and the impact on the daily practice of radiography.

- PACS & RIS I & II (6 ECTS – study load 150h)

The course emerges you in the challenge of long-term archiving and storage. Followed by current trends in technical support of collaborations between departments, such as radiology and radiotherapy, or in the communication with referring physicians.

- Culture (1 ECTS – study load 25h)

Visit, live and absorb the culture of Brussels, the capital of Europe, famous for its multicultural diversity with 163 different nationalities.

- Internship I & II & III (7 ECTS – study load 175h)

Your primary role is to troubleshoot technical problems and collaborate with the back offices of the different vendors and the ICT department. The aspects will be trained in a safe environment and during internships in clinical PACS departments. With your fellow students, you will actively design a clinical robust PACS environment and practice your skills as a team player.

- ✓ **Number of European Credits: 20**
- ✓ **Spring Semester**
- ✓ **These courses are open to Medical Imaging students**
- ✓ **These courses are implemented at the Odisee Campus Terranova in Brussels**

HEALTH CARE

Nutrition and Dietetics

Content

In the Nutrition and Dietetics program you become an accomplished dietician and nutrition expert. You will learn everything about healthy and balanced food for different demographic groups of today's society. This acquired knowledge can be used to provide nutritional advice adapted to the client and to explain the relationship between diet and health, based on the Belgian food dietary guidelines. With this degree you can start your career as a clinical or administrative dietician or as a nutritional expert in a preventive healthcare setting. In short: you are of indispensable value in hospitals and nursing homes, but most of all you are indispensable for your clients!

- Long Traineeship (15 ECTS)

During a period of 11 weeks, the student can work in a variety of settings such as a hospital or a nursing home, food industry setting, projects and workshops at Odisee, an independent dietitians' practice, a sportsclub or even in the wellness area. All internship placements are near the Technology Campus of Odisee in Ghent. We refer to our internship vademecum for a complete description of the tasks and deadlines.

- Short Traineeship (6 ECTS)

During a period of 5 to 6 weeks, the student can work in a variety of settings such as a hospital or a nursing home, food industry setting, projects and workshops within our own school, an independent dietitians' practice, a sportsclub or even wellness area. All internship placements are near the Technology Campus of Odisee in Ghent. We refer to our internship vademecum for a complete description of the tasks and deadlines.



- ✓ Number of European Credits: 6 or 15
- ✓ Autumn or Spring Semester
- ✓ These courses are open to students in Dietetics and Nutrition
- ✓ During the placement period students work five days per week
- ✓ These courses are implemented at or near the Odisee Technology Campus in Ghent

HEALTH CARE

Occupational Therapy

Content

Occupational therapists help people with health problems to become more self-reliant – at home, at work and during their free time. Clients are as varied as the complaints you are treating. Occupational therapy is a form of guidance and treatment for children, adults and elderly people with a temporary or permanent disability or other health problems.

- Traineeship (15 ECTS)

Your professional skills will be trained in a safe environment in two different clinical departments related to physical rehabilitation, neurology or psychiatry, elderly care or the treatment of patients with non-congenital brain injuries. You will actively participate, observe and prepare occupational therapy sessions with patients in different settings, guided and supervised by a traineeship mentor.

You will learn about methodological abilities, writing about and investigating your clients, their pathology and occupational problems, all using an evidence based framework.

As a first option you can opt for a 6 week+5 week traineeship at two different Belgian institutions.

The second option comprises a 6 week+3.5 week traineeship, first at a Belgian institution and then at an orphanage in Jazskotle (Poland), where you will work with very young children and multiple pathologies. Additional costs apply to participate in this project (supported by TAPAS <http://www.therapy-tapas.org>)

- Short Bachelor Project (5 ECTS)

This course immerses you in occupational science. You will develop life-long-learning abilities such as research, learn to think critically from scientific articles, answer clinical questions, write a short literature review about a topic of your choice and present your results to other students. This is a literary review of 1 week

- ✓ **Number of European Credits: 20**
- ✓ **Autumn or Spring Semester**
- ✓ **These courses are open to Occupational Therapy students**
- ✓ **During the placement period students do an internship in two different settings, with a duration of 11 weeks, working four days per week**
- ✓ **They also attend workshops and coaching moments to make a short bachelor project at the Odisee Campus Terranova in Brussels during one week**

HEALTH CARE

Optics and Optometry

Content

At the study programme of Optics and Optometry you will be trained to become an optician-optometrist, the specialist of the visual system. Do you like to help people, but also like a good amount of technics? Then read on! Only at Odisee you can become an optician-optometrist at a university college in Flanders.

- Long Traineeship (20 ECTS)

The course component can consist of:

- Tailor made traineeship: aimed at acquiring laboratory skills in optics, optometric skills, visual training, low vision skills and contact lens fitting skills.
- Scientific project: Another option can be a scientific project based on scientific research at our campus.
- Or a combination of both (traineeship and project) can be considered as a possibility but needs to be agreed upon in advance.

The traineeship can take place at several locations: optician shops, optometry practices, contact lens practices, low vision practices, ophthalmological practices, hospitals, Odisee Campus Terranova in Brussels

- ✓ **Number of European Credits: 20**
- ✓ **Spring Semester**
- ✓ **The traineeship is open for students in Optics and Optometry**
- ✓ **The course component requires travelling to different locations in the Dutch, French and/or German communities of the country**
- ✓ **The traineeship is in Dutch or French (some possibilities in German or English) and is managed from the Terranova Campus in Brussels**





INDUSTRIAL SCIENCES AND TECHNOLOGY

Chemistry

Content

In this study programme students can opt for a research project in the field of food chemistry, instrumental analytical chemistry, biochemistry and biotechnology or environmental sciences. The following research competences are trained and evaluated: practical laboratory work, team work, written and/or oral communication, critical thinking.

Students can combine two or three of the following courses:

- Research Competences (5 ECTS)

A small scientific research project with practical laboratory work and a written report of the experimental results

- Traineeship in Flanders (15 ECTS)

Students will be placed in a research laboratory or a company for 10 to 12 weeks. Depending on the place of the traineeship students will be given different tasks or one specific research topic.

- Bachelor's Thesis (10 ECTS)

Students draw up a report on a specific research topic, including a theoretical and experimental part with related results and discussion. Next to the evaluation of the written report there is an oral presentation and defence before a jury. This course is frequently combined with the course units "research competences" or "traineeship in Flanders".

- ✓ Number of European Credits: 15 - 30
- ✓ Autumn and Spring Semester
- ✓ These courses are open to students in Biochemistry, Chemistry, Food Chemistry, (Bio)chemical Engineering and Environmental Engineering students
- ✓ Five days a week of practical laboratory work
- ✓ These courses are implemented at the Odisee Technology Campus in Ghent

INDUSTRIAL SCIENCES AND TECHNOLOGY

Design and Production Technology

Content

The Design and Production Technology program puts the emphasis on practical skills and the use of new technologies.

Creative students with a hands-on attitude learn through a combination of theoretical and technical lectures and get the opportunity to work out industrial-like applications in hi-tech labs.

Design and mechanical tooling is the main focus in the program.

Autumn Semester:

- Automation 5 (4 ECTS) Control technology and its implementation
- Mechanics (4 ECTS) Maintenance and calculation of machine parts
- Project 3 (3 ECTS) Effective production of a motor/machine by means of turning, milling, water jet, welding,...
- Applied Mechanics 3 (5 ECTS) Fuel burn techniques; heating, insulation and cooling techniques for residential purposes
- Project 4 (11 ECTS) Design of and industrial installation with incorporation of automation, cost calculation, work...
- CAD 3D (3 ECTS) Design in Solid Works

Spring Semester:

- Automation 4 (5 ECTS) Consists of hydraulics and electrical machines

Offered in Autumn & Spring:

- Traineeship in Flanders (16 ECTS) Students are assigned to a company or a lab at Odisee during 15 weeks; 5 days/ week. During this period one or several practical assignments have to be submitted.
- Bachelor Thesis (10 ECTS) A written report on one of the subjects addressed during the traineeship.

- ✓ Compose your program with a maximum of 30 European Credits per semester
- ✓ Autumn and Spring Semester
- ✓ These courses are open to Bachelor students in Mechanics, Electromechanics, Design and Production Technology or equivalent
- ✓ Lectures, lab exercises, individual and group assignments,...
- ✓ These courses are implemented at the Odisee Technology Campus in Ghent

INDUSTRIAL SCIENCES AND TECHNOLOGY

Electromechanics

Content

Are you intrigued by state of the art machinery, electromechanical processes and HVAC?

Do you want to be able to design, maintain and optimize these processes and installations, assuring a sustainable and rational use of energy and a high efficiency yield? Don't have any doubts: the bachelor in Electromechanics is your cup of tea!

- Bachelor's Thesis & Traineeship (20 ECTS)

Students are doing an internship/thesis combination in a company or at Odisee Campus Dirk Martens in Aalst. The training period consists of a 10 week full time project, where the student specializes in (a combination) of topics in his field of interest. This is related to a practical, hands-on and real life problem encountered in a specialist company.



- ✓ Number of European Credits: 20
- ✓ Spring Semester
- ✓ These courses are open to Electromechanics students
- ✓ During the placement period students work four days per week on-site and one day per week at Odisee
- ✓ This course is managed at the Odisee Campus Dirk Martens in Aalst

INDUSTRIAL SCIENCES AND TECHNOLOGY

Electronics – ICT (with a major in Electronics)

Content

Are you fascinated by microcontrollers, electronic pulses, TV, audio, video hi-fi, antennas, robots and other mechatronics? Opt for Electronics!

- Internet of Things (3 ECTS)

The first part of this course handles the single board computer and the second part handles embedded processing. The courses are organised as 12 workshops of 3h.

- Video technology (4 ECTS)

This course handles the principles of analogue and digital television. There are 12 lectures of 1.5h and 6 lab sessions of 3h.

Remark: this course is taught in Dutch but the course syllabi and the hand-outs are available in English.

- Traineeship in Flanders (15 ECTS)

Students are doing an internship at a company or at Odisee Technology Campus in Ghent. They take part in the activities of the company during 13 weeks.

- Bachelor's thesis (8 ECTS)

This final thesis is often related to the internship. Usually one or more topics are studied in detail.

- Project work (5 ECTS)

Project with electronics and / or ICT content being carried out in consultation with the supervisor.

- Personal development plan (5 ECTS)

Students choose a topic in personal development after consultation with the supervisor and define a number of concrete objectives at the start together with the method that will be used to achieve these objectives. There are a couple of moments of individual reporting, reflection and feedback. Students create a portfolio in which they demonstrate that the objectives have been achieved.

- ✓ **Compose your program with a maximum of 30 European Credits**
- ✓ **Spring Semester**
- ✓ **These courses are open to students Electronic Engineering**
- ✓ **Lectures, workshops. During the placement period, students work four days per week and attend lectures one day per week at Odisee**
- ✓ **These courses are implemented at the Odisee Technology Campus in Ghent**

INDUSTRIAL SCIENCES AND TECHNOLOGY

Electronics – ICT (with a major in ICT)

Content

As a student in the bachelor program Electronics-ICT, you will use your knowledge to invent and develop ground-breaking soft- or hardware solutions in a curriculum tailor-made for the next generation of computing professionals.

Our bachelor program has a duration of 3 years and consists of 3 specializations: Web and Mobile development, Smart Electronics and IT Infrastructure. By focusing our students on soft- and technical skills, we help them understand how people and technology connect.

As an international exchange student, you will be able to follow courses (30 ECTS) in the second and third year of our bachelor program. We encourage you to get the maximum out of your international experience by choosing courses based on personal interest.

- ✓ **Compose your program with a maximum of 30 European Credits**
- ✓ **Spring Semester**
- ✓ **These courses are open to ICT Engineering students**
- ✓ **During the traineeship period, students work 4 days a week and attend lectures for 1 day per week**
- ✓ **These courses are implemented at the Odisee Technology Campus in Ghent**
- ✓ **www.ikdoeict.be/en**

- **Web & Mobile Development (7 ECTS)**

Start inventing modern and futureproof mobile applications. With a focus on progressive and hybrid apps, you will design and develop from the first sketch until a working product.

- **Cloud Infrastructure (7 ECTS)**

Covers hot topics in the cloud computing industry based on hardware and software components such as servers, VoIP, QoS, storage, network and virtualization software.

- **Traineeship in Flanders (15 ECTS)**

An internship at a company or at Odisee Technology Campus in Ghent. You will take part in the activities of the company during 13 weeks.

- **Bachelor thesis (8 ECTS)**

A final thesis, often related to the internship. Usually one or more topics are studied in detail.

- **Project work (5 ECTS)**

Project with electronics and / or ICT content being carried out in consultation with the supervisor

- **Personal development plan (5 ECTS)**

Choose a topic in personal development after consultation with the supervisor, and define a number of concrete objectives at the start together with the method that will be used to achieve these objectives. Individual reporting, reflection and feedback help you create a portfolio in which you demonstrate that the objectives have been achieved.

INDUSTRIAL SCIENCES AND TECHNOLOGY

Energy Technology

Content

Are you curious about the operations of smart electrical installations? Are you energy efficient? Do Home Automation and Industrial systems appeal to you? Are you wondering how PLCs, wind turbines, solar cells, CHP and Electromobility work? Do you love new projects? Do not wait any longer and opt for Energy Technology!

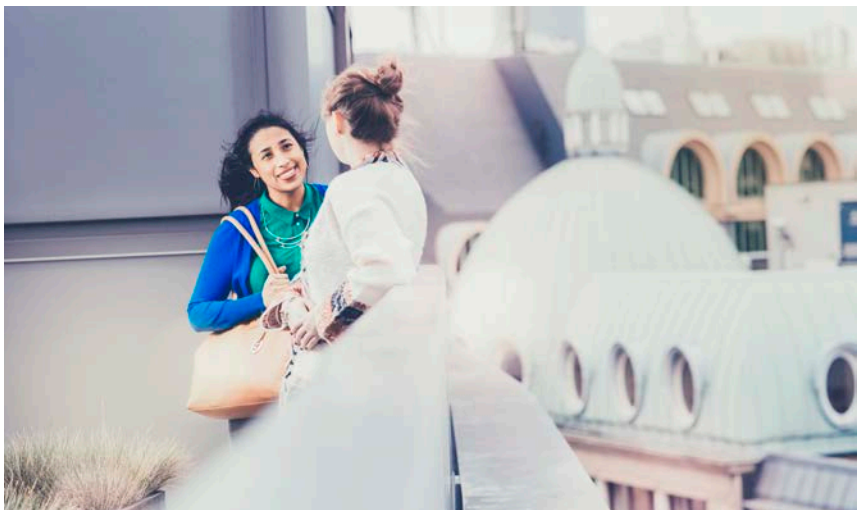
- Traineeship (11 ECTS)

Students are doing a traineeship in a company or at the Odisee Technology Campus in Ghent. They take part in the activities of the company during 13 weeks.

- Bachelor thesis (9 ECTS)

This final thesis is often related to the internship. Usually one or more topics are studied in detail

- ✓ **Number of European Credits: 20**
- ✓ **Spring Semester**
- ✓ **These courses are open to Energy Technology students or Electrical Engineering students**
- ✓ **Lectures, workshops. During the placement period students will work four days per week and attend lectures one day per week at Odisee**
- ✓ **These courses are implemented at the Odisee Technology Campus in Ghent**



INDUSTRIAL SCIENCES AND TECHNOLOGY

Facility Management

Content

The study program of Facility Management is unique in Flanders. It offers very practical and broad insights in the following fields: communication, management and facility technology. As a facility manager you are responsible for proper management and maintenance of buildings. You will provide employees with a comfortable desk, safe work clothing and a decent meal, contributing to a motivating working environment! Finally, you will support all events planned and hosted by the organisation.

The exchange program runs from October to January during which period students complete a work placement and write their bachelor's thesis. You can follow this program in Dutch, English or French
Traineeship in Flanders and bachelor's thesis (30 ECTS)

- **Traineeship in Flanders**
A detailed program will be drawn up, taking into account the possibilities at the receiving organisation. The program offers the trainee the opportunity to become acquainted with the entire organization. Students are expected to complete a thorough analysis and description of the facility services. In agreement with the organization, students will be given the opportunity to perform a relevant facility assignment at the receiving organisation.
- **Bachelor's thesis**
With the guidance of a supervisor, students will autonomously write a bachelor's thesis of about 40 pages about an FM-related topic. The research topic and literature review will be linked to a specific case or internship assignment in which student have immersed themselves during the traineeship in the third year.

- ✓ **Number of European Credits: 30**
- ✓ **Autumn Semester**
- ✓ **This program is open to Business students (Facility Management)**
- ✓ **Lectures, discussion groups, joint projects, educational visits, case-base studies and role-playing techniques,...**
- ✓ **In order to assure a qualitative traineeship for the incoming students, we recommend to send in your application before April 1st.**
- ✓ **The traineeship can take place throughout Belgium but is managed from the Odisee Technology Campus in Ghent.**

INDUSTRIAL SCIENCES AND TECHNOLOGY

Real Estate

Content

In this program students are trained to become multidisciplinary professionals who can be mobilised immediately and have thorough scientific competences and communication skills.

It aims to deliver polyvalent and extensively trained professionals who can work independently and as part of a team in an entrepreneurial and efficient way in four professional fields: real estate mediation, management, promotion and expertise. They need to have a proper sense of responsibility, deontology and ethics. We are achieving these objectives within an empowering environment that encourages cooperation and interaction, where students can reach their full potential.

We focus on four professional fields as we believe that young bachelor students need to explore different professional angles during their studies. Towards the end of these studies they can enhance their in-depth understanding of the aspects of their choice in order to choose their future career on the basis of their own talents and intrinsic motivation.

- 6 Traineeship 2 (5 ECTS)

During the internship students have to analyse as much as possible aspects of the brokerage or real estate development business, such as commercial aspects, legal and financial aspects, administrative aspects and construction techniques. Students have to attend several sales meetings with possible clients and have to observe the activities at the receiving company with an objective and critical view. In the context of an international traineeship the brokerage or real estate development aspects should be applied to the Belgian market, and the differences with the foreign real estate market should be described.

- 5/6 Bachelor's Thesis (12 ECTS)

Students are expected to thoroughly investigate a real estate related subject in a profound and scientific way. The bachelor's thesis is the student's final product by which he or she demonstrates to have acquired all knowledge and skills required for a real estate professional.

- ✓ **Number of European Credits: 17**
- ✓ **Spring Semester**
- ✓ **Traineeship (4 weeks) only possible from mid-April to mid-May**
- ✓ **These courses are open to Real Estate students**
- ✓ **work projects, traineeship, educational visits,...**
- ✓ **These courses are implemented at the Odisee Campus Dirk Martens in Aalst**

SOCIAL AND COMMUNITY WORK

Family Sciences

Content

Students are trained to offer adequate family support, both in a scientifically substantiated way and with a lot of empathy and presence. Students learn to understand human and social relations from a family sciences' perspective and to assist and support families in a professional way.

The Traineeship and Advanced Traineeship offer the knowledge and skills in order to understand and coach personal and family dynamics in the field of children, youngster, adult and/or senior care.

- **Traineeship (12 ECTS)**
- **Traineeships Advanced (12 ECTS)**

- ✓ **Number of European Credits: 12**
- ✓ **Autumn or Spring Semester**
- ✓ **These courses are open to students in Family Sciences, Social & Educational Sciences and Health Care**
- ✓ **Lectures, workshops. During the placement period students work 3 days per week and attend lectures 1 day per two weeks at Odisee**
- ✓ **These courses are implemented at the Odisee Campus of Family Sciences in Schaarbeek and in a care or policy organisation in Brussels or Flanders**

The Traineeship (Advanced) consists of:

- **Portfolio**

Students make an overview of their relevant educational, life and/or work experience as to coaching individuals, partner relationships and families. These 'family competences' are explored using the 'famcompass-portfolio'.

- **Workshops Counselling skills**

In preparation to the traineeship, students participate in basic / advanced workshops on counselling skills dealing with the following topics:

- core conditions for counselling
- communication skills for counselling
- framework skills (e.g. mandate issues)
- counselling in a multicultural context

- **Workshop on super-diversity and transmigration**

Students following the advanced traineeship are offered knowledge on the specific concepts of super diversity and transmigration with a focus on the context of Brussels.

- **Internship I and II**

Students work 240h (10 weeks) in an organisation relevant to family counselling (e.g. child care center, center for family care, center for social work, refugee center, residential care for youngsters, residential care for elderly) or family policy. The supervision is done by a mentor at the organisation and a lecturer of Family Sciences.



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