



Odisee
UNIVERSITY OF APPLIED SCIENCES

Content

Studying at Odisee.....	2
Living in Belgium.....	3
Application	4
English-taught programs	4
Preparatory Dutch Course	4
BIOTECHNOLOGY.....	5
1. Agro- and Biotechnology.....	5
BUSINESS MANAGEMENT	5
1. Business Management	6
2. Applied Computer Science	7
EDUCATION	8
1. E3 : empowering education in a European context	8
HEALTH CARE	9
1. Biomedical Laboratory Technology.....	9
2. International Nursing Education Programme	10
3. Medical Imaging and Radiotherapy.....	11
4. Midwifery	12
5. Nutrition and Dietetics	13
6. Occupational Therapy	14
7. Eye Care.....	15
APPLIED ENGINEERING AND TECHNOLOGY.....	16
1. Chemistry.....	16
2. Design and production technology	17
3. Electromechanics	18
4. Electronics - ICT (with a major in Electronics)	19
5. Electronics - ICT (with a major in ICT).....	20
6. Energy Technology	21
7. Facility Management.....	22
8. Real estate	23
APPLIED SOCIAL STUDIES.....	24
1. Family studies	24
2. Social Work.....	25
3. Educational Social Care Work.....	26

Studying at Odisee

Odisee is a University of Applied Sciences consisting of 6 campuses in Aalst, Brussels, Dilbeek, Schaerbeek, Ghent and Sint-Niklaas. These are dynamic centres of education, research and social services, located in the heart of Belgium. It is one of the largest universities of applied sciences of Flanders. 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. Odisee is part of the KU Leuven Association, i.e. a network of five universities of applied sciences and one university, offering an impressive network of national partners with more than 80,000 students in 23 cities and municipalities.

What does Odisee offer?

We have approximately 10 000 students in our professional bachelor programs in different fields of study, on 6 different campuses:



Biotechnology
Commercial Sciences and Business Studies
Education (Teacher Training)
Health Care
Industrial Sciences and Technology
Social and Community Work)



Campus Aalst
Campus Brussels
Campus Dilbeek
Campus Schaarbeek
Campus Sint-Niklaas
Technologycampus Ghent



25 professional bachelor programs

Agro and Biotechnology
Applied Computer Science
Biomedical Laboratory Technology
Business Management
Chemistry
Construction
Design & Production Technology
Education: Preprimary Education
Education: Primary Education
Education: Secondary Education
Electromechanics
Electronics - ICT
Energy Technology
Eye Care
Facility Management
Family Studies
Medical Imaging & Radiotherapy
Midwifery
Nursing
Nutrition and Dietetics
Occupational Therapy
Office Management
Real Estate
Social Educational Care Work
Social Work

Living in Belgium

History and atmosphere in Belgium

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.

Hungry! Thirsty!

When you study, you become hungry. And especially thirsty! Living in Flanders isn't always cheap but we've come up with a solution: each campus has its very own student restaurant where you can buy a warm lunch, snacks, salads, soup, sandwiches etc. at reasonable prices.

Sports@Odisee

Feel like exercising?! STUVO+ likes to point you in the right direction: sport clubs that offer discounts via the student sport card or via vouchers, sport activities, dates of the competitions, etc. Each semester STUVO+ organizes a number of sport activities like boxing, skiing, spinning, table tennis, ... for free or at a reasonable rate. Students can register with the sport coordinator of STUVO+. For more info see contact details www.stuvoplus.be/sport (select your campus).

Accommodation

Student rooms on our campuses: Our housing departments (Stuvoplus) 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. In Brussel we don't have student rooms on our campus, see student rooms on the private market. The price for a student room on our campuses in Aalst, Ghent and Sint-Niklaas will be between € 300 & € 500 per month

Student rooms on the private market: 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. Below you'll find some links that can help you find a good student room.

Brussels:

<https://brik.mykot.be/en>
<https://www.brukot.be/en/>

Ghent:

<http://en.allekoten.be/kot-gent>
<https://ikot.be/en/flat-ghent>
<https://kot.gent.be/internationale-studenten>

Culture@Odisee

STUVO+ and Odisee organise several cultural events during the semester. Stay up to date by visiting www.stuvoplus.be (select your campus)



Application



How to register?

To apply for registration, follow the procedure as described on our website (www.odisee.be/en) under the option '[registration](#)'.

A link to the online application will be sent to you after you have been nominated by your home university. Complete the application and upload the following documents.



Deadline

Autumn semester (Sept – Febr)

Apply before 15th of June

Spring semester (Febr – June)

Apply before the 15th of November



Academic Calendar

Click [here](#) for the academic calendar



Necessary documents

- Signed application form
- Passport picture
- Copy of identitycard
- Transcript of records signed and stamped
- Proof of health insurance (European blue card)
- Proof of third party liability insurance (for non-EA-inhabitants)
- Learning agreement
- Curriculum Vitae (Traineeship)
- Motivation letter (Traineeship)

English-taught programs

In the next part of the course catalogue you will find more information about the English-taught programs offered by Odisee. Behind every course you will find a link with the ECTS information.

Preparatory Dutch Course

We offer a Dutch course **for Erasmus students enrolled at the campus in Ghent**, through an affiliated language center in Ghent. This is an intensive starter's course of 60 hours, taught over 10 weeks (6 hours per week) in the evening.

The number of ECTS credits for the course is 3, provided the student has been present for at least 80% of the time and passes the test at the end of the course.

The tuition fee of 48 euros will be paid by the International Relations Office of Odisee. You only have to pay +/- € 20 for the syllabus and copies.

If you would like to register for the Dutch course, please inform our international relations office via incoming.exchange@odisee.be when submitting your application documents.

BIOTECHNOLOGY

1. Agro- and Biotechnology

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 (10 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.

Geographic Information Systems (3 ECTS)

This course is in Dutch but can be possible be followed by Erasmus students through self-study. Book and course material are in English. Remote Sensing, earth observation, geodesy and other sources of geographical data. Coordinate systems and projections. Basic aspects of geographical information: raster, vector, metadata, working with geographical data, attribute tables and classifications

- **Number of European Credits: 26 – 30**
- **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**

BUSINESS MANAGEMENT

1. Business Management

Accounting module

- [International taxation and Transfer pricing \(3 ECTS\)](#)
- [An Introduction into IFRS and Consolidation \(3 ECTS\)](#)
- [Financing growth and innovations in SME's \(3 ECTS\)](#)
- [Financial Business Management \(5 ECTS\)](#)

Languages

- [International Advanced French \(4 ECTS\)](#)
- [International and Intercultural Communication in English \(3 ECTS\)](#)

Law and Economics module

- [Doing Business in the European Union \(3 ECTS\)](#)
- [Micro Macro Economics \(4 ECTS\)](#)
- [Principles of Law \(6 ECTS\)](#)

Logistics module

- [Safety and Security in Logistics \(3 ECTS\)](#)
- [Dangerous Goods ADR-IMDG \(3 ECTS\)](#)
- [Sales, purchasing & Logistics \(6 ECTS\)](#)
- [Business Projects \(6 ECTS\)](#)
(only for students who stay for a year)

Marketing module

- [Advertising and Promotion \(3 ECTS\)](#)
- [Commercial Budgeting \(5 ECTS\)](#)
- [Marketing Planning and Marketing Mix Strategy \(4 ECTS\)](#)
- [International Marketing \(4 ECTS\)](#)
- [Creative thinking \(3 ECTS\)](#)
- [Marketing \(4 ECTS\)](#)
- [Statistics for market research 1 \(3 ECTS\)](#)
- [Market research and analysis \(6 ECTS\)](#)
- [Retail, non-profit and social marketing \(4 ECTS\)](#)
- [Integrated digital marketing \(3 ECTS\)](#)
- [Marketing insights \(3 ECTS\)](#)

Management module

- [Business Strategy \(3 ECTS\)](#)
- [Quality Management \(3 ECTS\)](#)
- [Ready to start your own Business \(3 ECTS\)](#)
- [Communication Management \(3 ECTS\)](#)
- [Human Resources Management \(3 ECTS\)](#)
- [Real Estate Management \(3 ECTS\)](#)
- [Foreign Trade \(3 ECTS\)](#)
- [Business Ethics \(3 ECTS\)](#)
- [Sales Management \(3 ECTS\)](#)
- [Services Management \(3 ECTS\)](#)

Work placement module

During the work placement the trainee will be integrated in the day-to-day activities of the company which are in line with his study. He will get acquainted with the company culture, the state of the art techniques.

- **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**

2. Applied Computer Science

ICT is best learned in a context of applications, activities, projects and problems that replicate real-life situations. Students learn how to use and apply a wide variety of information and communication technologies in settings involving problem solving, decision making and investigating.

There is a possibility to have a custom made program in applied sciences.

Please contact Gudrun.rawoens@odisee.be

- **Number of European Credits : 29**
- **Autumn Semester**
- **Prerequisites**
- **This programme is open to Business Studies students (marketing, commercial sciences, informatics)**
- **Teaching Methods**
- **Lectures, workshops and project work.**
- **This course is implemented at the Odisee Campus in Brussels**



EDUCATION

1. E3 : empowering education in a European context

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

- [Teaching in Europe, Europe in teaching \(6 ECTS\)](#)
- [Professional teamwork \(6 ECTS\)](#)
- [Education for citizenship \(in a globalised world\) \(6 ECTS\)](#)
- [Intercultural communication in education \(6 ECTS\)](#)

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 competences international teaching

- **Number of European Credits : 30 (including 6 ECTS for teaching practice)**
- **Spring Semester**
- **This course is open to all Teacher Training students from Preprimary, 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), Padagogische Hochschule Steiermark (Graz, Austria), Universitat Autònoma de Barcelona (Spain) and University College Copenhagen (Denmark).**
- **In 2021-2022 the course will be implemented in Copenhagen, Denmark**



HEALTH CARE

1. Biomedical Laboratory Technology

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.

Traineeship + Project Work

It is also possible to combine a Traineeship short (15 ECTS) with a Project short (15 ECTS)
This program will be 30 ECTS and is for four months.

- **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**

2. International Nursing Education Programme

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 domain.

Work placement (17 ECTS)

Students are doing a work placement during 10 weeks in combination with a Study Programme :

- [Medical English \(3 ECTS\)](#)
More information about Medical English [here](#).
- [International Nursing Education Programme/Tour of Flanders \(3 ECTS\)](#)
More information about the Tour of Flanders [here](#).
Two weeks in March with 4 themes (during the fall semester this course will take place online).

- **Number of European Credits: 17 – 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 or an online course.**



3. Medical Imaging and Radiotherapy

ERG module

Medical imaging moved towards the centre of modern medicine, where imaging has become more than a tool for diagnostics. During this module, you will gain the knowledge to reflected on innovations in the field of diagnostic imaging. Next to the fundamentals of project management, you will learn to map the needs of end-users and design solutions for service-delivery.

This module consists of the following courses:

- [Short Bachelor Project \(3 ECTS\)](#)

During this project you focus on device management within diagnostic imaging. Linked with the internship, you make a critical analysis regarding the choice for a particular equipment. In this exercise you also learn how to include the clinical question, patient and organization-related factors.

- [International Education Programma \(3 ECTS\)](#)

Explore the secrets of Flanders and her cities with fellow exchanges students form other programmes. Next to the discovery of the culture, you will also learn (basic) Dutch in preparation of your clinical placement.

- [Digital leadership & innovation \(3 ECTS\)](#)

Learn about service-desing and innovation. Get involved with solution and user-centered design. Discuss and reflect on data protection (GDPR) with your fellow students.

- [International clinical placement \(11 ECTS\)](#)

During your internship you will be involved in the departments of diagnostic imaging, including radiology and nuclear medicine. Clinical placement in radiotherapy is possible upon request or after consultation due to a shortage of places in diagnostics. In combination with your internship an assignment will help to reflected on the difference between your practice at home and during this exchange.

- Number of European Credits: 20
- Spring semester
- This course is open to Medical imaging students.
- These courses are implemented at Campus Terranova in Brussels.

4. Midwifery

The Midwifery department of Odisee University college is located in Sint-Niklaas. Students midwifery interested in an traineeship in Belgium can perform their practical training in a regional hospital on the following wards:

Labour and delivery ward, maternity and neonatology (38h/week).

We offer options for short and long mobility, which can be combined to a maximum of 21 ECTS:

- [Traineeship F1 in Flanders \(12 ECTS\)](#)
- [Traineeship F2 in Flanders \(5 ECTS\)](#)
- [Traineeship G in Flanders \(10 ECTS\)](#)

There is also a possibility to follow an additional course on Medical English (3 ECTS) or a Dutch language course.

Traineeships are possible in both Autumn and Spring semester, depending on the available places for practical training in the hospital.

Evaluation of the practical training is done by a comprehensive system of reflections, feedback from midwives and written/oral evaluations.

The practical training is supervised by one of the lecturer of our Midwifery department. Students have to perform different kind of shifts (day, early, late and night shifts), including weekends. A detailed planning will be provided by our practical training coordinator a few weeks before the start of the internship.

For more information including available places for internship in Midwifery, please contact the international coordinator, Mrs. Inge Tency (inge.tency@odisee.be).

- **Number of European Credits: 24**
- **Autumn or Spring Semester**
- **These courses are open to students in Midwifery**
- **During the placement period students work five days per week**
- **These courses are implemented at or near the Odisee Campus in Sint-Niklaas**

5. Nutrition and Dietetics

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 (in different catering environments) or as a nutritional expert in a preventive healthcare setting. Another future possibility is working in the food industry as quality controller. In short: you are of indispensable value in hospitals and nursing homes, but most of all you are indispensable for your clients!

- Long Traineeship (14 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 or a sportsclub. 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. We refer to our internship vademecum for a complete description of the tasks and deadlines.



- **Number of European Credits: 6 or 14**
- **Autumn or Spring Semester**
- **These courses are open to students in Dietetics and Nutrition**
- **During the placement period students work five days per week**

6. Occupational Therapy

The Erasmus Study of Occupational Therapy offers traineeships in two different domains, combined with several optional courses. Practical skills will be trained in clinical departments, applying the theoretical knowledge from an Evidenced Based Framework. Students can also train their research skills, language skills, or technological knowledge by choosing one of the study courses.

Traineeship 1 (8 ECTS)/ Traineeship 2 (8 ECTS - both semesters)

In this traineeship, your occupational therapy skills will be trained in a 'safe' environment and during two different internships in clinical departments (5 or 6 weeks of practice). You will actively participate, observe and prepare occupational therapy sessions with patients in different settings, guided and supervised by an Internship coach.

At the same time you learn methodological abilities, writing and investigating about your clients, their pathology and occupational problems. An important focus of our approach is applying the occupational therapy knowledge, using an Evidenced Based Framework.

Possible internships were offered in clinical departments of physic rehabilitation, Neurology or psychiatry. Also possible are internships in elderly care and day centre's for patients with non-congenital brain injuries.

International Nursing Education Programme (3 ECTS - spring semester)

More information [here](#).

Short Bachelor Project (5 ECTS - both semesters)

This course emerges you in the occupational science. You develop the life-long-learning ability of investigation. You will learn critical thinking from scientific articles to be able to answer clinical questions, writing a short literature review about a topic of your choice and presenting your results to other students.

Digital leadership & innovation (3 ECTS - spring semester)

Digital leadership and innovation offers the necessary skills and knowledge in order to understand the needs of end-users and digitally transform care delivery. Additionally students familiarize themselves with key elements in the management of ICT-projects and current technical evolutions.

Medical English (3 ECTS - both semesters)

In this course, students will be introduced in Medical English, focusing on following subjects: The human body, Diseases & treatments, The patient, The professional environment, The social security system in Canada and the UK, Visit to the European Parlement in Brussels. An interactive and practical way of learning professional terminology in Brussels.

- Number of European Credits: 16 – 22 European Credits.
- Autumn or Spring Semester
- These courses are open to Occupational Therapy students
- Traineeships are offered in different domains of work field, working four days per week.
- Students also attend at Odisee, campus Terranova in Brussels, during one week, workshops and coaching moments to make a short bachelor project.
- Possibilities to interdisciplinary courses with other disciplines as Nursery and Medical Imaging

7. Eye Care

At the study programme of Eye Care you will be trained to become an orthoptist-optometrist, the specialist of the visual system.

Do you like to help people, but also like a good amount of sciences? Then read on!

Only at Odisee you can become an orthoptist-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 orthoptics, 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 including optometry, optometry practices, contact lens practices, low vision practices, ophthalmological practices, hospitals, Odisee Campus Terranova in Brussels



- **Number of European Credits: 20 or 18 European Credits.**
- **Spring Semester**
- **The traineeship is open for students in 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**

APPLIED ENGINEERING AND TECHNOLOGY

1. Chemistry

In this study program 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 scientific 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)

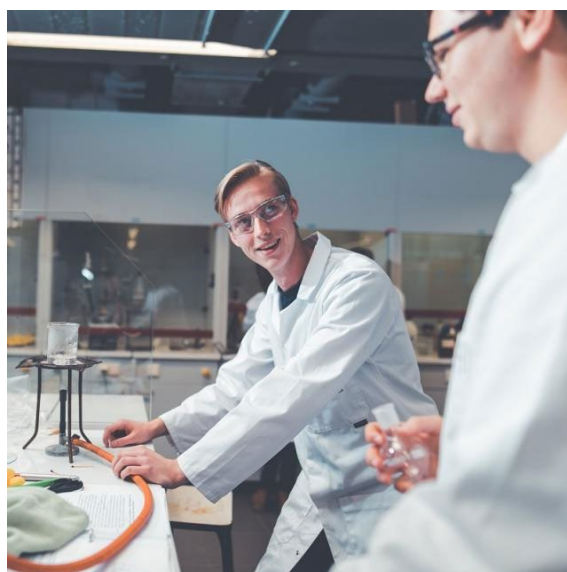
Students will be placed in a research laboratory or a company for 10 to 12 weeks. Depending on the place of the internship the students can work on a research project or contribute to the daily work in the laboratory.

Bachelor's Thesis (10 ECTS)

Students draw up a report on a specific research topic, including a theoretical part, an overview of methods and materials and discussion of the experimental results. 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 or partial (traineeship) at a partner company of Odisee**



2. Design and production technology

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.

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 26 European Credits per semester
- ✓ Autumn and Spring Semester
- ✓ These courses are open to Bachelor students in Mechanics, Electro- mechanics, Design and Production Technology or equivalent
- ✓ Lectures, lab exercises, individual and group assignments,...
- ✓ These courses are implemented at the Odisee Technology Campus in Ghent

3. Electromechanics

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 (30 ECTS)

Students are doing an internship/thesis combination in a company or at the Odisee Campus Dirk Martens in Aalst. The training period consists of a project during the full semester, 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: 30**
- **Spring Semester**
- **These courses are open to Electromechanics students**
- **During the placement period students work minimum 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**



4. Electronics - ICT (with a major in Electronics)

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

Traineeship in Flanders (18 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.

Project Work (6 ECTS)

The subject in the electronics-ict field is fixed in consultation with the student. The student receives a number of theoretical and/or practical assignments that he has to perform.

These are fixed in consultation with the student. The results are accurately documented in a portfolio. On a regular basis, the student demonstrates his results to the teacher. In addition, the portfolio is regularly reviewed and the necessary feedback is given.

Personal Development Plan (6 ECTS)

In consultation with the supervising professor the student chooses a topic for personal development, and at the start of the academic year he sets a number of concrete objectives together with the working method that will be used to achieve these objectives. During the semester there are a few moments for individual reporting, reflection and feedback. In the run-up to the final evaluation, the student draws up a portfolio in which he tries to demonstrate that the objectives have been achieved.

Bachelor's thesis (6 ECTS)

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

- **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**

5. Electronics - ICT (with a major in ICT)

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

Traineeship in Flanders (18 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 (6 ECTS)

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

Project work (6 ECTS)

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

Personal development plan (6 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.

- 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

6. Energy Technology

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 (18 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.

Building automation - Internet of Things 1 (3 ECTS)

Coached study of the KNX basic course. Additional assignment taking into account the background of the student. In an open assignment creative programming of a life-like situation (the home automation house) and / or additional model cases and setups where residential, care and general building management installations form the source of inspiration. (Building management system techniques/ KNX BASIS/ Installation/ bus KNX/ KNX bus topology/ Line -mainline-Protocol KNX/ system components/ Bus participants/ sensors, Actors/ Programming in ETS5/ Projecting Basic functions -Switching / dimming -Shutter -heating / cooling -All off -Panic/ Building management system techniques/ IOT)

Project work (3 ECTS)

The subject is fixed in consultation with the student. The student receives a number of theoretical and/or practical assignments that he has to perform. These are fixed in consultation with the student. The results are accurately documented in a portfolio. On a regular basis, the student demonstrates his results to the teacher. In addition, the portfolio is regularly reviewed and the necessary feedback is given.

Buildingautomation - Internet of Things 2 (4 ECTS)

Coached study of the KNX Advanced course. Additional assignment taking into account the background of the student. In an open assignment creative programming of a life-like situation (the home automation house) and / or additional model cases and setups where residential, care and general building management installations form the source of inspiration. (Building management system techniques / KNX ADVANCED / telegram / Bus participants / Combinatorial Logic Priority functions / Bar functions / Set Flags / Installation protections / Hardware test / installation / Cabling / Commissioning / Projecting and commissioning of line couplers/Reading out the memory of a bus coupler DPT types / Continuous temperature control with KNX Copy across / projects / Test installation / Bus diagnosis / Develop a practical project and put it into operation / Reporter reporting of relevant information / Energy logging and energy saving measures / Monitoring / HVAC / DALI / Weather station / IOT / Visualization / Diagnosis / Bus Monitor / Group Monitor.

- **Number of European Credits: 30**
- **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**

7. Facility Management

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 students 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.**

8. Real estate

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.

Traineeship 2 (7 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.

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: 19**
- **Spring Semester**
- **Traineeship (6 weeks) only possible from November to December**
- **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**

APPLIED SOCIAL STUDIES

1. Family studies

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 \(17 ECTS\)](#)

[Traineeships Advanced \(17 ECTS\)](#)

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'.

- **The 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**

In both internships, 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..

- **Number of European Credits: 17**
- **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**

2. Social Work

Crossing Borders: An International Module on Participation and Citizenship (6 ECTS)

Crossing Borders is an international learning and teaching module. It helps students to cross borders in more than one way. Students work with peers from other countries, communicate in a transnational community, and compare the ways in which service users are included in different countries.

The attention in healthcare and social work has often focused on service-users' problems. That problem-oriented attitude is, however, being replaced by an emphasis on the users' possibilities. Abilities are stressed, for example, in competence-based and solution-focused methods. Simultaneously the approach to people on the margin of society has changed. In the past these people's problems were emphasised.

For that reason social diversity was viewed as awkward. Recently, however, more attention has been given to everyone's inclusion regardless of differences in background or cultural affinities.

Crossing Borders follows these trends in healthcare and social work. It helps participants to explore ways of involving each person as a full citizen in society. In order to do that transnational students' groups examine, on the one hand, how the members of a relevant category of people see themselves and are seen by others. On the other hand the students' groups investigate the ways in which the people they study can be included more fully. In order to achieve this the module aims at (figure 1):

	<h2 style="text-align: center;">Ways to Improve Participation</h2> <p>[1] The effects of diversity, primary and secondary deviance, stigma, and discrimination on identity formation</p> <ul style="list-style-type: none"> • [1a] Definitions and models • [1b]] International classification of functioning, disability and health [2] Of the shift from a client-orientation to a rights-holder's orientation • [2a] Multidisciplinary professional work • [3] Of social-work methods for promoting participation and inclusion, and for preventing discrimination • [3a] The concept of empowerment • [3b] Universal design
Acquire knowledge of:	
Acquire skills to:	<p>[4] Analyse healthcare and social-work practices</p> <p>[5] Conduct a small-scale field investigation</p>
Develop reflections on:	<p>[4/6] Personal, professional and transnational experiences</p> <p>[5/7] Public policies for improvement of participation and inclusion</p>

The focus on removing limitations suits bachelor students in healthcare, social work, social care and community studies. It may also be seen as a part of bachelor programs for teachers, therapists and counsellors in related fields. All potential participants in Crossing Borders are in advanced stages of their bachelor courses. Participants in Crossing Borders will go across frontiers physically and virtually. They work with fellow students from other countries in order to complete joint tasks. Their learning process is coached by teachers from various countries.

Traineeship possibility

Contact the international office for questions and more information.

3. Educational Social Care Work

Traineeship possibility

Contact the international office for questions and more information.

- Number of European Credits: 24
- Autumn or Spring Semester
- These courses are open to students in Family Sciences and Social & Educational Sciences
- The traineeship can take place throughout Belgium but is managed from the Odisee Campus in Dilbeek.



