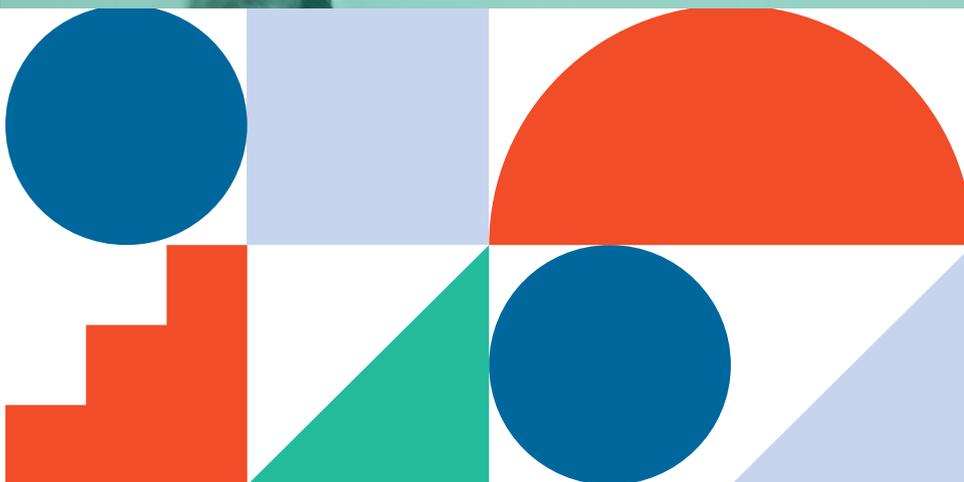


# Course Catalogue For Incoming Students

2024 - 2025



**Odisee**  
DE CO-HOGESCHOOL

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## Studying at Odisee

Odisee is a University of Applied Sciences consisting of 6 campuses in Aalst, Brussels, Dilbeek, Schaerbeek, Ghent, and Sint-Niklaas. Each campus is a dynamic centre of education, research, and social services, located at the heart of Belgium. Odisee is one of the largest universities of applied sciences of Flanders and offers 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 horizons by meeting new people from all over the world.

Your studies will become a new challenge in which science converges with the art of education. Odisee is a member of the KU Leuven Association, a network of five universities of applied sciences and one university backed by an impressive system of national partners with more than 80.000 students in twenty-three cities and municipalities.

### What does Odisee offer?

We have approximately 10 000 students in our professional bachelor programmes 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 Schaerbeek  
Campus Sint-Niklaas  
Technology Campus Ghent*

### 25 professional bachelor programmes

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  
Organisation & 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.

The capital, Brussels, is a melting pot of cultures, languages, and traditions. Explore historic landmarks like the Grand Place, marvel at Art Nouveau architecture, and enjoy Belgian fries and chocolate. Whether you're an art enthusiast, a foodie, or a history fan, Brussels has something for everyone.

### Gateway to Europe

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.

if you like to explore other parts 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 or budget-friendly coaches.

### Hungry! Thirsty!

When you study, you become hungry and especially thirsty! Living in Flanders isn't always cheap, but we have come up with a solution: each campus has its very own student restaurant where you can get a hot meal, snacks, salads, soups, sandwiches, and more all at reasonable prices.

### Sports, culture, and recreation @ Odisee

Every student needs a dose of relaxation now and then! Exercising, enjoying culture, attending concerts, or meeting up with other students. The possibilities for an exciting student life are vast! The Student Services Department (STUVO+) happily shares the offer with you.

Feel like exercising?! STUVO+ likes to point you in the right direction: what sport clubs to join, which activities or competitions to register for, and when to block the dates in your agenda.

Every semester STUVO+ organizes sports activities like boxing, yoga, skiing, spinning, table tennis, carting... for free or at a reasonable rate. Students can register with the sports coordinator of STUVO+.

Find the full sports and culture offer and more information on the webpage: <https://www.odisee.be/en/sport-and-culture>



*Technology Campus Gent*

## Student housing

Alongside sports and culture, STUVO+ is the Odisee service responsible for student accommodation on our campuses. STUVO+ gladly assists you with information and advice during your search. More information on housing per campus is listed on our website: <https://www.odisee.be/en/student-housing>

Odisee has limited student rooms available on the campuses of Ghent and Sint-Niklaas. Applying for an in-house student room is done via STUVO+ after consulting the International Relations Office.

In Brussels and Alost, we do not have any student rooms and therefore refer students to the **private market**. The price for a student room in Belgium ranges between €400 and €600 per month.

Keep in mind that the number of student rooms for a short-term rental on the private market in Ghent and Brussels are scarce. We recommend starting your search on time. Reliable sources are listed below, which may help you in your search for a student room.



*Campus Brussels*

### 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>

## Application



### How to register for an exchange semester at Odisee?

To apply for an exchange semester, follow the procedure as described on our website ([www.odisee.be/en](http://www.odisee.be/en)) under the option '[Registration - Application](#)'.

More information on how to start your online application will be sent to you by e-mail after your home university has officially nominated you. As part of your online application, the documents listed below will need to be uploaded.



### Deadline to finish your online application

#### **Autumn semester**

(Sept. – Feb.)

Apply before June 15<sup>th</sup>.

#### **Spring semester**

(Feb. – June)

Apply before November 15<sup>th</sup>.



### Academic Calendar

Click [here](#) for the academic calendar



### Necessary documents

- Signed application form
- Copy of your passport
- Copy of your identity card
- Transcript of records signed and stamped
- Proof of health insurance ([European Health Insurance Card](#))
- Proof of third-party liability insurance (for non-EEA-inhabitants)
- Learning Agreement
- Curriculum Vitae (Traineeship)
- Motivation letter (Traineeship)

## English-taught programmes

In the next part of the course catalogue, you will find more information on the English-taught programmes offered by Odisee. The link to the ECTS sheet can be found by clicking on the title of the course.

## Preparatory Dutch Course

We offer a Dutch course through an affiliated language centre in Ghent **for Erasmus students enrolled at the Technology Campus in Ghent**. This is an intensive starters course of 80 hours, taught over 12 weeks (+ 7 hours per week) in the evening.

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

The tuition fee will be paid by the International Relations Office of Odisee upon presentation of the voucher at the time of registration.

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

**NEW:** from academic year 2024-2025, the Department of Business Management will organize a beginners' course of Dutch on our **campus in Brussels**.



## BIOTECHNOLOGY

### 1. Agro- and Biotechnology

Foreign students who are interested in Agro- and Biotechnology are more than welcome to join our trainee programme. Choose your preference 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 partners of Odisee in the work field: 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 choose to write a bachelor's thesis at Odisee.

[Traineeship in Flanders I \(10 ECTS\)](#) (Spring semester)

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 \(15 ECTS\)](#) (Autumn and/or Spring semester)

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 to meet your specific field of interest.

[Traineeship in Flanders II \(26 ECTS\)](#) (Autumn and/or Spring semester)

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 \(3 ECTS\)](#) (Spring semester)

This course is in Dutch, but it is possible for Erasmus students to follow the course through self-study. The 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**
- **Autumn or Spring Semester**
- **All courses are open to Agro- and Biotechnology students**
- **Teaching methods: 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. Marketing, Management, Accountancy & Supply Chain Management

### Autumn semester Courses

#### Accounting module

- [An Introduction into IFRS and Consolidation \(3 ECTS\)](#)

#### Languages

- [Beginners Dutch \(4 ECTS\)\\*](#)

#### Law and Economics module

- [Doing Business in the European Union \(3 ECTS\)](#)
- [Micro- and Macroeconomics \(4 ECTS\)](#)
- [Principles of Law \(6 ECTS\)](#)
- [Circular Economy \(3 ECTS\)\\*](#)

#### Supply Chain Management module

- [Safety and Security in Logistics \(3 ECTS\)](#)
- [Dangerous Goods ADR-IMDG \(3 ECTS\)](#)
- [purchasing and Logistics \(3 ECTS\)](#)
- [Purchasing & supplier management \(3 ECTS\)](#)
- [E-Logistics \(3 ECTS\)](#)

#### Work placement module (5 or 10 credits)

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

#### Marketing module

- [Advertising and Promotion \(3 ECTS\)](#)
- [Commercial Budgeting \(3 ECTS\)](#)
- [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 \(6 ECTS\)](#)
- [Digital Marketing \(4 ECTS\)](#)
- [Marketing of services \(3 ECTS\)](#)
- [Integrated digital marketing \(3 ECTS\)](#)

#### 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 \(3 ECTS\)](#)
- [Business Ethics \(3 ECTS\)](#)
- [Sales Management \(3 ECTS\)](#)
- [Introduction to European Business \(3 ECTS\) \\*](#)
- [Intercultural Agility for Business \(3 ECTS\)\\*](#)
- [Creative 360 project \(3 ECTS\)\\*](#)
- [Data Management & Governance \(3 ECTS\)\\*](#)
- [Innovation and the Young Entrepreneur \(3 ECTS\)\\*](#)
- [ICT and Organization \(4 ECTS\)\\*](#)

NOTE: Some courses will only be organised if there are sufficient enrolments.

\*ECTS sheet is not yet available.

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

## Spring semester Courses

### Marketing module

- [Marketing Communication \(4 ECTS\)](#)
- [Consumer behaviour \(3 ECTS\)](#)
- [Sales \(3 ECTS\)](#)
- [Visual Communication skills \(3 ECTS\)\\*](#)
- [Research skills \(3 ECTS\)\\*](#)
- [Marketing Planning and Marketing Mix Strategy \(4 ECTS\)\\*](#)

### Language module

- [Advanced Business English 1 \(5 ECTS\)](#)
- [Beginners Dutch \(4 ECTS\)\\*](#)
- [Beginners French \(4 ECTS\)\\*](#)

### Management module

- [ICT and Marketing \(6 ECTS\)\\*](#)
- [Business organisation & Human Resources \(3 ECTS\)\\*](#)
- [Financial Business Management \(4 ECTS\)\\*](#)
- [Sales Management \(3 ECTS\)\\*](#)

### Elective modules

1. **Introduction to European Business (5 ECTS)**
  - [Doing Business in the European Union\\*](#)
  - [Commercial Law](#)
2. **Digital Brand and Campaign Management (5 ECTS)**
  - [Brand Management\\*](#)
3. **Sustainable Business (5 ECTS)**
  - [Business and Sustainability\\*](#)
4. **Marketing Logistics (5 ECTS)**
  - [Supply Chain Management\\*](#)

### Work placement module (17 credits)

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

NOTE: Some courses will only be organised if there are sufficient enrolments.

\*ECTS sheet is not yet available.



- **Number of European Credits: 20 or 30**
- **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 programme in Applied Computer Sciences.

Please contact Sarah Spruytte ([sarah.spruytte@odisee.be](mailto:sarah.spruytte@odisee.be)), the departmental coordinator internationalisation of the programme for more information.



- **Number of European Credits: 29 ECTS**
- **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 & SOCIAL

### 1. International Programme: Faculty of Education & Faculty of Applied Social Studies

#### Urban Dynamics: Exploring Migration, Human Rights and Inclusion in Education and Society

This international module aims to create a learning community with a focus on:

- **Migration and transnational relationships (6 ECTS)**
- **Human and children's rights (6 ECTS)**
- **Inclusion in education and society (6 ECTS)**
- **Skills and networks in an urban context (6 ECTS)**
- **Field practice (6 ECTS)**

The programme is open to all students, enrolled in a teacher education programme or applied social studies, who wish to broaden their knowledge and skills in an urban context. The programme offers a combination of theoretical modules (lectures/group work/workshops/self-study/field visits) with a practice-oriented approach. The field practice contains 2 weeks of practice, in line with students' field of interest. Students develop a portfolio.



*Campus Brussels*

- **Number of European Credits: 30 (including 6 ECTS for field practice)**
- **Spring Semester**
- **This course is open to all Teacher Training students (from Preprimary, Primary and Secondary Teacher Training) and from Applied Social Studies (Family Studies, Social Work & Educational Social Care Work...).** Note that students should have completed the first year of their studies or have extensive field experience.
- **Teaching Methods: Lectures, workshops, self-study, group work, practice, excursions, and a portfolio**
- **This course is implemented at the Odisee Campus in Brussels**

# HEALTH CARE

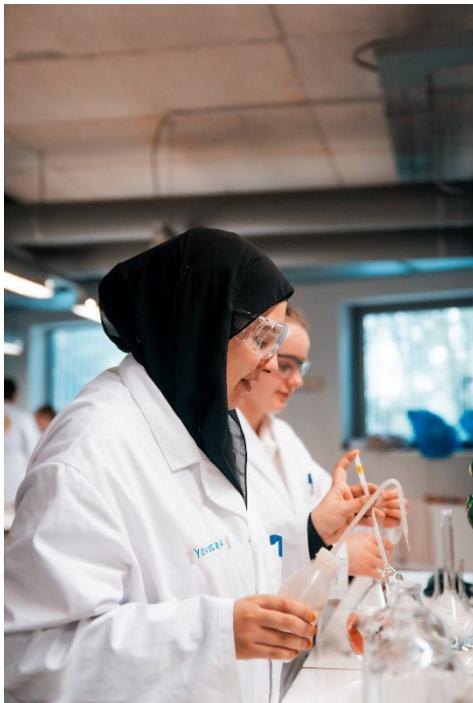
## 1. Biomedical Laboratory Technology

In the following 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 programme. 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, students accurately perform the various steps of biomedical methods under supervision, taking a problem-solving approach. Students write a coherent and traceable report on the different experiments and give a presentation on the work carried out.

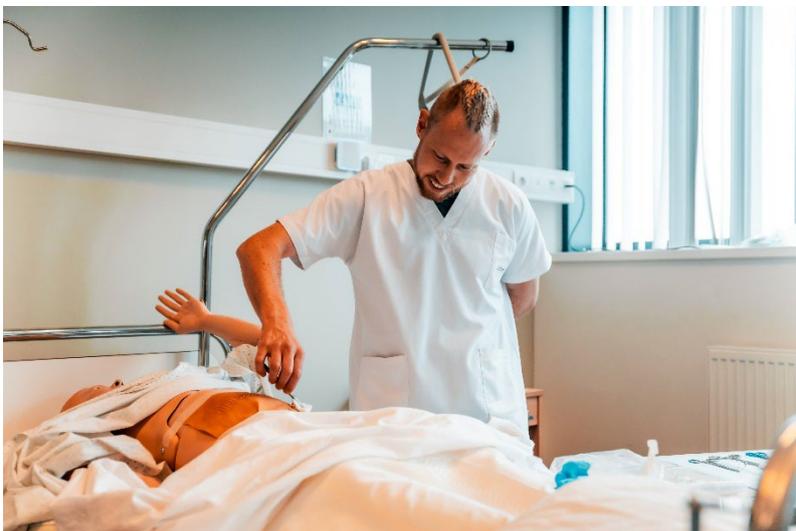
### Traineeship + Project Work

It is possible to combine the Traineeship short (15 ECTS) with the Project short (15 ECTS). This programme consists of 30 ECTS and lasts four months.

- **Number of European Credits: 15, 20 or 30**
- **Autumn or Spring Semester**
- **The 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 want to take care of people in different contexts from a theoretical background? The Nursing Education Programme trains you to become a professional who understands society, works efficiently, and who can organize and contribute to the quality of healthcare. You will accumulate and refine technical and social skills and be prepared for a job within the various fields of healthcare.



### [Work placement \(17 ECTS\)](#)

During your work placement you will develop your intercultural competences and enhance your language skills. The work placement can be combined with the courses below:

- [Medical English \(3 ECTS\)](#)  
This course will help you to improve your communication skills in English and make you more confident with the English terminology. More information on the course Medical English is available [here](#).
- [International Nursing Education Programme \(INEP\)/Tour of Flanders \(3 ECTS\)](#)  
More information and registration on the Tour of Flanders is available [here](#). This course is organized every semester (on Wednesdays) online.

- **Number of European Credits: 17 – 23 ECTS**
- **This course is open to nursing students who have completed the first half of their studies.**
- **Teaching methods: lectures, discussion groups, joint projects, role-playing techniques, educational visits, and case-based studies.**
- **The work placement can take place on the Odisee Campus Aalst, Campus Brussels, or Campus Sint-Niklaas.**

### 3. Midwifery

The Midwifery department of Odisee, University of applied sciences is in Sint-Niklaas. Students interested in a traineeship in Belgium perform 38 hours a week and can carry out their practical training in a regional hospital on the following wards:

- labour and delivery
- maternity
- neonatology

We offer short and long mobility options, which can be combined up to a maximum of 22 ECTS:

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

There is a possibility to follow an additional course on [Medical English \(3 ECTS\)](#) or a Dutch language course (3 ECTS). More information on the Dutch language course can be found on page 7 of this course catalogue.

Traineeships are possible in both the 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 or oral evaluations. The practical training is supervised by one of the lecturers of our Midwifery department.

Students must perform different kind of shifts (early, day, late and night shifts), including weekends and public holidays. A detailed planning will be provided by our practical training coordinator a few weeks before the start of the traineeship.

For more information, including available places for a traineeship in Midwifery, please contact the departmental coordinator internationalisation, Mrs. Inge Tency ([inge.tency@odisee.be](mailto:inge.tency@odisee.be)).

- **Number of European Credits: 5 to 28 ECTS with a maximum of 22 ECTS for the practical training**
- **Autumn or Spring Semester**
- **The courses are open to midwifery students.**
- **During the placement period, students work 38 hours per week.**
- **The courses are implemented in Flanders.**
- **Candidates are eligible for a traineeship in Midwifery after sending in a [CV and motivation letter in English](#), followed by a selection interview.**

## 4. Nutrition and Dietetics

In the Nutrition and Dietetics programme 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. The 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 a 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 10 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 sports lab. We refer to our traineeship vade-mecum for a complete description of the tasks and deadlines.

### - [Short Traineeship \(6 ECTS\)](#)

During a period of 5 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 sports lab or even a wellness area. We refer to our traineeship vade-mecum 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 internship students work five days per week**

## 5. 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 \(12 ECTS\) - both semesters](#)

In this traineeship, your occupational therapy skills will be trained in a 'safe' environment within clinical departments (9 weeks of practice). You will actively participate, observe, and prepare occupational therapy sessions with patients in different settings, guided and supervised by your traineeship coach.

At the same time, you learn methodological abilities by writing and investigating 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 traineeship placements can be offered in clinical departments of physic rehabilitation, neurology, or psychiatry. Other possibilities are traineeships in elderly care or day centres for patients with non-congenital brain injuries.

### [International Nursing Education Programme \(3 ECTS – \(both semester\)](#)

More information on the 'Tour of Flanders' course can be found [here](#).

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

This course emerges you in the occupational science. You develop the life-long-learning ability of investigation. You will learn to think critically using scientific articles to answer clinical questions, write a short literature review on a topic of your choice and present your results to other students.

### [Medical English \(3 ECTS - both semesters\)](#)

In this course, students will be introduced in Medical English by focusing on the following subjects: The human body, diseases & treatments, the patient, the professional environment, and the social security system in the US and the UK. The course is organised in an interactive and practical way for learning professional terminology in Brussels.

- Number of European Credits: 16 – 25 European Credits.
- Autumn or Spring Semester
- The courses are open to Occupational Therapy students.
- Traineeships are offered in different fields of work, working four days a week.
- Some courses are online, others take place on campus Terranova in the centre of Brussels.
- A Buddy-student accompanies incoming students.
- Possibilities to interdisciplinary courses with other disciplines as Nursery and Medical Imaging.

## 6. Eye Care

The study programme of Eye Care will train you to become either an optometrist or an orthopaedist, both specialist of the visual system. Do you like helping people and do you have a particular interest in the visual system? Then read on! The bachelor programme of Eye Care at Odisee, University of Applied Sciences is a unique programme in Flanders, and as such the only place to study optometry or orthoptics.

### [Long Traineeship \(20 ECTS\)](#)

The course component can consist of:

- **Tailor made traineeship:** aimed at acquiring laboratory skills in orthopaedics, 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 conducted on our campus.

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, and the Odisee Campus Terranova in Brussels.



- **Number of European Credits: 20 ECTS**
- **Spring Semester**
- **The traineeship is open for students in Optometry and Orthoptics.**
- **The course component requires travelling to various locations in the Flemish, Walloon and/or German-speaking community of Belgium.**
- **The traineeship is in Dutch or French (some possibilities in German or English) and is managed from the Terranova Campus in Brussels.**

## 7. Medical Imaging, Radiotherapy and Radiography

Ready to embark on an academic journey that not only enriches your knowledge but also provides hands-on experience in the fields of interventional radiology and cardiac ultrasound? Look no further! Our exchange programme awaits, offering you the chance to delve into these cutting-edge medical disciplines while immersing yourself in the culture of Flanders. Here's a sneak peek into what awaits you:

### **Interventional Radiology (7 ECTS)\***

Step into the world of close collaboration with physicians and other health professions during interventional procedures. Gain hands-on experience in technical aspects, from different interventional procedures to radiation protection using state-of-the-art radiological equipment. Sharpen your practical skills at the sterile table and learn how to care for critical patients within the radiology department.

### **Cardiac Ultrasound (6 ECTS)\***

Unlock cardiac ultrasound as you explore the technical aspects of ultrasound machines. Quality assurance and various aspects of heart ultrasound examinations will be covered. Take on the challenge of performing ultrasound examinations and producing high-quality

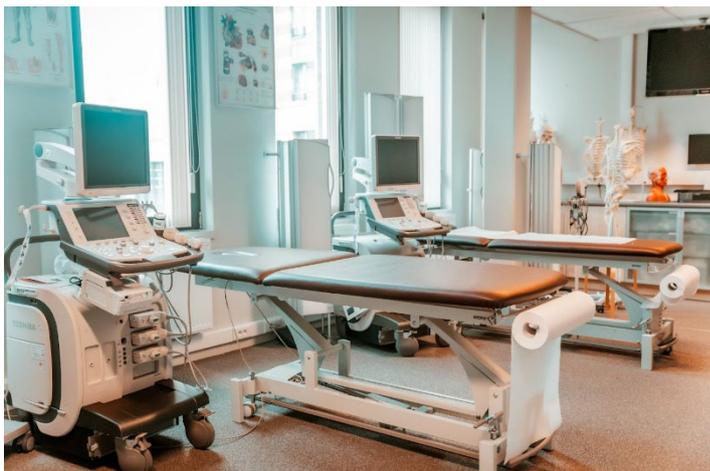
images of the heart, enhancing your skills, and understanding of this critical medical technique.

### **Culture (3 ECTS)\***

Immerse yourself in the culture of Flanders alongside fellow exchange students. This cultural exploration promises to be both educational and enjoyable, providing a well-rounded experience.

### **Portfolio (4 ECTS)\***

Capture the essence of your learning experiences by collecting images of cardiac procedures using ultrasound machines. The portfolio will demonstrate your growth in cardiac ultrasound and the translation of research into practice. Both will be presented in a coherent report and presentation.



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

\* ECTS sheets of the courses are not yet available.

# APPLIED ENGINEERING AND TECHNOLOGY

## 1. Chemistry

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, teamwork, written and/or oral scientific communication, and 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 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 for a jury. This course is frequently combined with the course units "research competences" or "traineeship in Flanders".

- **Number of European Credits: 15 – 30 ECTS**
- **Autumn and Spring semester**
- **The courses are open to students in Biochemistry, Chemistry, Food Chemistry, (Bio)chemical Engineering and Environmental Engineering.**
- **Five days a week of practical laboratory work**
- **The 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 programme emphasises 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 are central to the programme.

### [Traineeship in Flanders \(20 ECTS\)](#)

Students are assigned to a company or a lab at Odisee for 18 weeks; 5 days/week. During this period one or several practical assignments must be submitted.

### [Bachelor Thesis \(10 ECTS\)](#)

A written report on one of the subjects addressed during the traineeship.



- Compose your programme with a maximum of 30 European Credits per semester.
- Autumn and Spring Semester
- The courses are open to Bachelor students in Mechanics, Electro-mechanics, Design and Production Technology or equivalent.
- Teaching methods: lectures, lab exercises, individual and group assignments, ...
- The 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 design, maintain, and optimize these processes and installations, assuring a sustainable and rational use of energy and a high efficiency yield? Look no further: the bachelor in Electromechanics is for you!

#### [Bachelor's Thesis & Traineeship \(30 ECTS\)](#)

Students will do a traineeship and thesis combination in a company or at the Odisee Campus Dirk Martens in Aalst.

The training period consists of a project throughout the semester, in which the student specialises in (a combination of) topics within their area of interest. This is related to a practical, hands-on, and real-life problem in a specialised company.



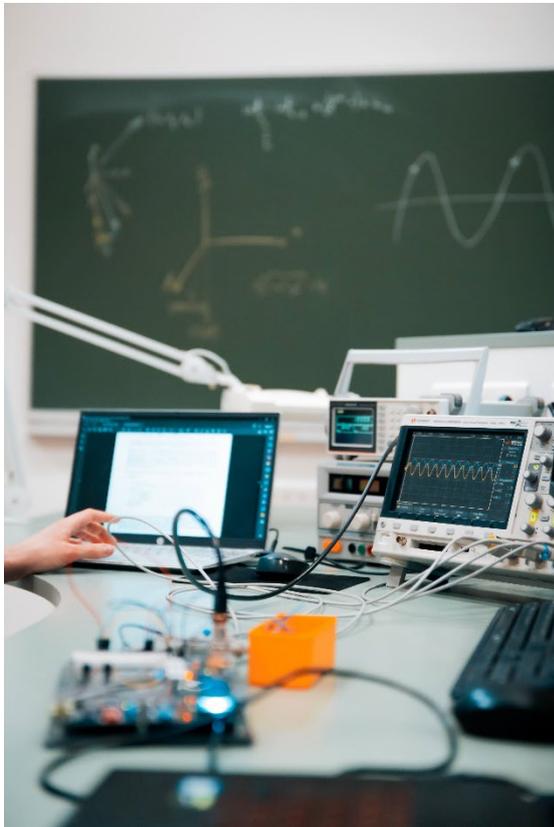
- **Number of European Credits: 30 ECTS**
- **Spring Semester**
- **The courses are open to Electromechanics students.**
- **During the placement period students work minimum four days per week on-site and one day per week at the Odisee campus**
- **This course is managed at the Odisee Campus Dirk Martens 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? Choose for Electronics!

### [Traineeship in Flanders \(18 ECTS\)](#)

Students will do a traineeship at a company or at Odisee Technology Campus in Ghent. They take part in the activities of the company for 13 weeks.



### [Project Work \(6 ECTS\)](#)

The subject in the electronics-ICT field is fixed in consultation with the student. The student receives several theoretical and/or practical assignments that must be performed. The results will accurately be documented in a portfolio.

On a regular basis, the student will demonstrate their results to the lecturer. In addition, the portfolio will regularly be reviewed, and the necessary feedback will be given.

### [Personal Development Plan \(6 ECTS\)](#)

In consultation with the supervising lecturer, the student chooses a topic in personal development. At the start of the semester several concrete objectives will be set along with the working method that will be used to achieve these objectives.

There will be moments for individual reporting, reflection, and feedback during the semester. In the run-up to the final evaluation, the student draws up a portfolio in which is demonstrated that the objectives have been achieved.

### [Bachelor's thesis \(6 ECTS\)](#)

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

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

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

As a student in the Electronics-ICT bachelor's programme, you will use your knowledge to devise and develop ground-breaking software or hardware solutions in a curriculum tailored for the next generation of computing professionals.

Our bachelor programme has a duration of 3 years and consists of 5 specializations: Telecommunications engineer, Internet of Things developer, Network & Security engineer, Software & AI developer, and Web & Mobile developer. 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 programme. We encourage you to get the maximum out of your international experience by choosing courses based on your personal interest.

### [Traineeship in Flanders \(18 ECTS\)](#)

A traineeship at a company or at Odisee Technology Campus in Ghent. You will take part in the activities of the company for 13 weeks.

### [Bachelor Thesis \(6 ECTS\)](#)

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

### [Project Work \(6 ECTS\)](#)

Project within the field of electronics and/or ICT to be 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 programme 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 a week.
- The courses are implemented at the Odisee Technology Campus in Ghent

## 6. Energy Technology

Are you curious about how smart electrical installations work? Do you have an energy-saving mindset? Do home automation and Industrial systems appeal to you? Are you wondering how PLCs, wind turbines, solar cells, CHP, and Electromobility work? Do you like new projects? Then do not wait any longer and opt for an exchange semester in Energy Technology!

### [Traineeship \(21 ECTS\)](#)

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 for a total of 13 weeks.

### [Bachelor thesis \(6 ECTS\)](#)

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

### [Building automation: KNX Basic \(3 ECTS\)](#)

Coached study of the KNX basic course. Additional assignment considering 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 are 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)

- **Number of European Credits: 30 ECTS**
- **Spring Semester**
- **These courses are open to Energy Technology students or Electrical Engineering students.**
- **Teaching method: lectures, workshops.**
- **During the placement period students will work four days a week and attend lectures one day a week at Odisee**
- **The courses are implemented at the Odisee Technology Campus in Ghent.**

### [Project work \(3 ECTS\)](#)

The subject is fixed in consultation with the student. The student receives several theoretical and/or practical assignments that needs to be performed. The results are accurately documented in a portfolio. On a regular basis, the student demonstrates the results to the lecturer. In addition, the portfolio will regularly be reviewed, and the necessary feedback will be given.

### [Building automation: KNX Advanced \(4 ECTS\)](#)

Coached study of the KNX Advanced course. Additional assignment considering 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 are 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.

## 7. Facility Management

The study programme 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 programme runs from October to January. During this period students complete a work placement and write their bachelor's thesis. You can follow this programme in Dutch, English or French.

### Traineeship in Flanders and bachelor's thesis (30 ECTS)

#### [Traineeship in Flanders](#)

A detailed programme will be drawn up, considering the possibilities at the receiving organisation. The programme 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 on an FM-related topic. The research topic and literature review will be linked to a specific case or traineeship assignment in which students have immersed themselves during the traineeship in the third year.

- **Number of European Credits: 30 ECTS**
- **Autumn Semester (September – January)**
- **This programme is open to Business students (Facility Management)**
- **Work projects, traineeship, educational visits**
- **To assure a qualitative traineeship for incoming students, we recommend sending 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 programme 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.

A proper sense of responsibility, deontology and ethics is needed. The objectives are achieved within an empowering environment that encourages cooperation and interaction where students can reach their full potential.

We focus on four subject areas because we believe that young undergraduate students should explore different professional perspectives during their studies. By the end of their studies, students can increase their understanding of the aspects of their choice so that they can choose their future career based on their own talents and intrinsic motivation.

### [Traineeship 2 \(7 ECTS\)](#)

During the traineeship, students should analyse as many aspects of brokerage or real estate development as possible, such as commercial aspects, legal and financial aspects, administrative aspects, and construction techniques.

Students must attend several sales meetings with potential clients and 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 the student demonstrates to have acquired all knowledge and required the skills for a real estate professional.

- **Number of European Credits: 19 ECTS**
- **Spring Semester**
- **Traineeship (6 weeks) only possible from February to March**
- **These courses are open to Real Estate students.**
- **Teaching method: work projects, traineeship, educational visits.**
- **These courses are implemented at the Odisee Campus Dirk Martens in Aalst.**

**[incoming.exchange@odisee.be](mailto:incoming.exchange@odisee.be)**

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**Course Catalogue  
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2024 - 2025**

