


# Bachelor and Master of Science in Engineering

GROUP T's International Office Vesalius Campus Solar Team Ensembling International environment  
Individual coaching full-English language bachelor and master programs Biochemical Engineering Life  
Physics  
university city **Engineering College** Biology **Master** Engineering Experiences  
Educating Environmenting CQS GROUP T Racing Team Engineering Medical Bio-Engineering Hart of Europe  
**Bachelor** Information Partneruniversities in Asia **Gateway to the World**  
5 E-engineer Beyond engineering Leuven Intelligent Manufacturing  
Sustainable Process & Materials Engineering Internet Computing Chemistry Enterprising Belgium Intelligent Mechanics  
**Energy** Chemical Engineering  Intelligent Electronics **Matter** Mathematics  
Electronics Engineering

# Engineer

International Programs in Engineering

2011-2012 Academic year

# BEYOND ENGINEERING

Nowhere is it easier to actually experience Europe than in Belgium. With Brussels as the European capital, Belgium is the true heart of the continent. And it has another trump card: GROUP T - International University College in Leuven (Flanders), nearby Brussels.

GROUP T is the only university college in Belgium that offers full English-language bachelor and master programs in the technology fields of Matter, Energy, Information, and Life. Beyond Engineering is GROUP T's motto. Obviously, you gain engineering expertise at the university college, but you also learn and experience how to be creative in your thinking and your ventures. You develop distinct enterprising skills and insight into the systems that influence nature, culture, and society. Beyond Engineering: it is the art of no longer seeing things as separate, but rather as part of a whole system where everything is connected. It is the art of coping with the paradoxes of nature and culture, an inspiring approach to innovation. That's how we see the engineers of the future.

Studying on our campus, you will find yourself at home in a truly international environment. You will be warmly welcomed by our Flemish students and many fellow students from China and the rest of the world.

An engineering degree from GROUP T opens doors to the whole of Europe, where you can continue your studies or find a fascinating job.

Europe begins in Belgium—why not your future?

Patrick De Ryck  
Director General  
GROUP T  
International University College Leuven



Johan De Graeve  
President  
Chief Executive  
GROUP T  
International University College Leuven



© 2011 GROUP T - International University College Leuven  
Vesalius Campus - Andreas Vesaliusstraat 13 - B-3000 Leuven (Belgium)  
tel: +32 (0)16 30 10 30 - fax: +32 (0)16 30 10 40 - E-mail: [group-t@group-t.com](mailto:group-t@group-t.com) - <http://www.group-t.com>

Editorial staff: Patrick De Ryck, Martine Groffils, Yves Persoons, Kristien Van Hoegaerden

D/2011/2134/1



# CONTENTS

<b>1</b>	<b>GROUP T: YOUR DEGREE IN ENGINEERING</b>	<b>5</b>
	<b>IN THE HEART OF EUROPE</b>	
1.1	STUDYING	5
1.2	LIVING	5
<b>2</b>	<b>THE 5E-ENGINEER</b>	<b>6</b>
<b>3</b>	<b>BACHELOR PROGRAMS</b>	<b>8</b>
3.1	STRUCTURE	8
3.2	BUILDING BLOCKS	10
<b>4</b>	<b>MASTER PROGRAMS</b>	<b>12</b>
4.1	STRUCTURE	12
4.2	MASTER FOCUSES	12
<b>5</b>	<b>STUDYING IN LEUVEN</b>	<b>17</b>
<b>6</b>	<b>INTERNATIONAL OFFICE</b>	<b>19</b>
<b>7</b>	<b>ADMISSION</b>	<b>19</b>
<b>8</b>	<b>PRACTICAL INFORMATION</b>	<b>21</b>
<b>9</b>	<b>LOCATION</b>	<b>22</b>

# 1 GROUP T : YOUR DEGREE IN ENGINEERING IN THE HEART OF EUROPE

A degree in Engineering from GROUP T equips aspiring professionals with a unique combination of qualifications and life experience. For international students specifically, there are a number of clear-cut reasons for choosing GROUP T:

## 1.1 STUDYING

- **You can follow all engineering courses in the business language par excellence: English.** What's more, GROUP T is attended by a wide range of international students, so English is all around - also outside the classroom. In other words, if you master English, you'll feel right at home.
- **Everyone can apply for the engineering program at GROUP T.** We will not require you to sit an admission test as long as you can show that you have the necessary background.
- **The GROUP T engineering degree is a stepping stone to universities worldwide.** Our international network ensures that your degree is accepted by educational institutes and companies not only in Europe, but across the globe.

## 1.2 LIVING

- Leuven is one of Europe's oldest university towns. The large student population adds a vibrant touch to the historical scenery. Located **just 20 minutes from Brussels**, and in easy reach of Paris, Amsterdam, and London, it has an easygoing lifestyle that is at the same time conducive to studying.
- GROUP T's **tuition fee is more democratic** than that of traditional locations in the US or the UK. Also, Leuven is a mid-sized university town, so life is more comfortable and economical compared to that in other academic centers.
- As a GROUP T student you receive **individual coaching**, academically as well as socially. You can easily approach professors and other staff to share your concerns.
- GROUP T has years of **experience in welcoming international students** from universities worldwide. Our International Office has a wide acclaim.

Put together, these elements ensure that you attend a distinctive, high-level academic institute that will put you at the front of international professionals.

# 2 THE 5E-ENGINEER

In essence, engineers find intelligent solutions to technological problems. 5E-engineers however are more than experts in technology. They also have distinct entrepreneurial skills and are capable of coaching both themselves and others. 5E-engineers are also aware of their place in the world and the impact they have on nature and culture. Finally, they know how to integrate everything and gain greater insight.

You don't just learn this kind of engineering from a book or by yourself. It's a matter of developing qualities as you go along, collaborating in cross-professional tasks, in an environment characterized by diversity and a plurality of world views.

No traditional program can achieve this. The principles underlying the engineering curriculum at GROUP T create a learning and working environment that encourages students to demand the best from themselves and to continue developing.

## THE 5 E'S OF BEYOND ENGINEERING

GROUP T distinguishes five aspects that serve as a thread connecting the entire curriculum: Engineering, Enterprising, Educating, Environmenting, and Ensembling.

### **Environmenting:**

Engineers are aware of the influence of technology on the world and vice versa. Therefore they keep into account the impact of their actions on ethics, ecology, esthetics, and economics within a globalizing and ever-evolving world.

### **Engineering:**

Engineers create by using technologies and their underlying basic sciences. They are familiar with a multidisciplinary approach.

### **Enterprising:**

Engineers have vision. Based on this they set themselves a mission, around which they gather others. Through innovation, guts, and leadership, they get things done effectively.

### **Educating:**

Engineers are capable of making things to develop people. They can coach both themselves and others. Their ideal is the development of each and everyone.

### **Ensembling:**

Engineers see the coherence of things. By differentiating and integrating, and approaching all things from all angles, they achieve deeper insights and enjoy ever-richer experiences.

**Engineering, Enterprising and Educating** represent the roles the engineer plays in society: producing things from a strong vision and geared towards each one's development. **Environmenting** sheds light on the scene that gives shape to these roles; this is where the engineer gets to know the elements from nature and culture with which technology is interwoven. **Ensembling**, finally, raises the engineer out of the engineering role such that he or she can observe and approach things from a higher perspective.

## **INNOVATING ENERGY, ENERGIZING INNOVATION**

Thirteen ambitious engineering students and two dedicated alumni. They form the new GROUP T Solar Team. Six years after the first team churned out Belgium's first solar car, team manager Thomas Sterken and his team take up this great challenge again: build an even better performing car for the prestigious 2011 World Solar Challenge, the unofficial world championship for solar-energy powered cars.

Throughout the years, the different Solar Teams have set up a wide network. "We can count on the more than 100 partners whom we work with intensively", says Thomas. "Not only multinationals but also SMEs, research centers, and universities in Belgium and abroad. They make not only material but also know-how available. We invite our partners to GROUP T a few times throughout the course of the project. During these networking evenings they can meet each other in an informal atmosphere and exchange information. This way, we create a professional entrepreneurs' forum."

While the previous Solar Teams were uniquely Flemish, the team now has a Chinese student in its ranks. "Zhou Kang spontaneously applied and passed the application procedure with flying colors", Thomas confirms. "In the Mechanics department his responsibilities include the solar car's aerodynamics and engine, two of its crucial elements. His contribution will no doubt add to the technological resourcefulness of our team."

[www.solarteam.be](http://www.solarteam.be)  
[www.worldsolarchallenge.org](http://www.worldsolarchallenge.org)



# 3 BACHELOR PROGRAMS

## 3.1 STRUCTURE

GROUP T has designed the following academic bachelor programs consisting of 3 program stages with a total weight of 180 credits:

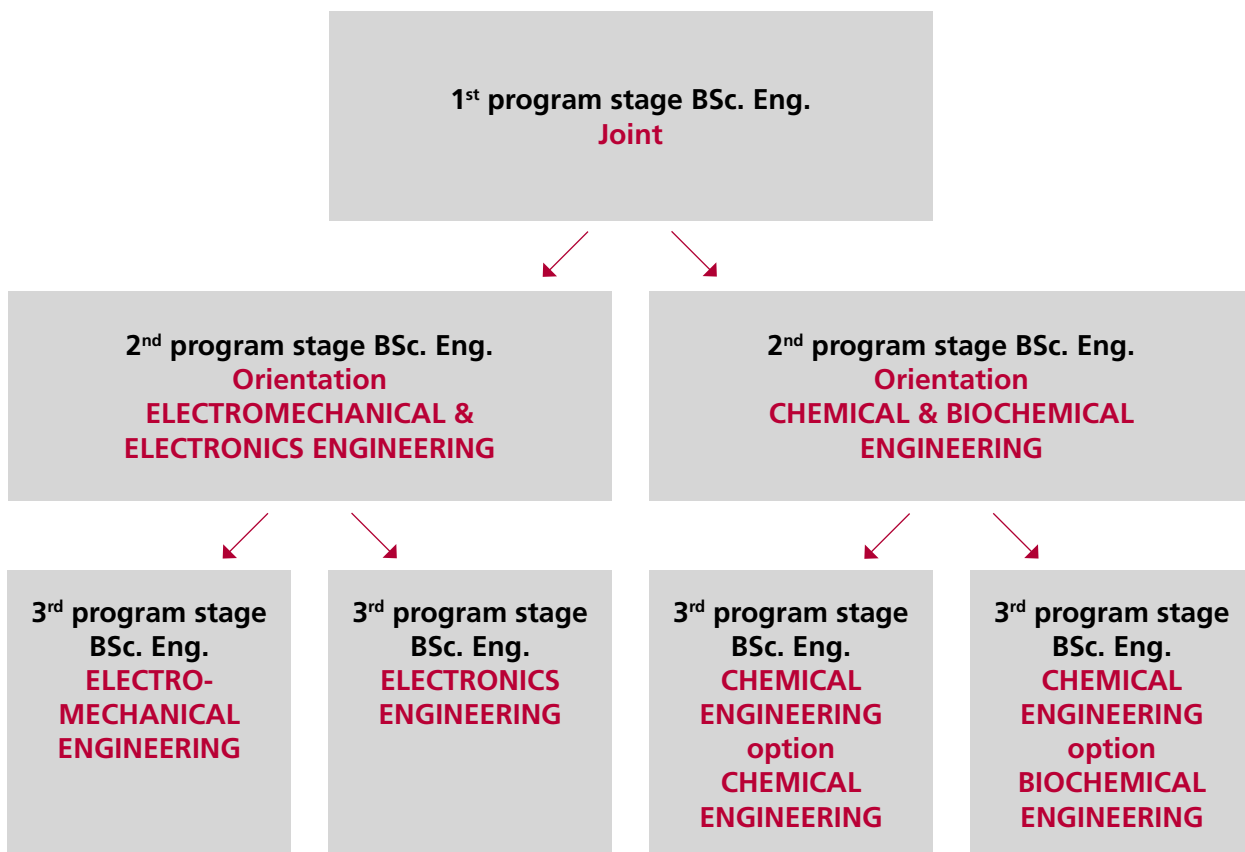
- **Bachelor of Industrial Sciences in Electromechanical Engineering**
- **Bachelor of Industrial Sciences in Electronics Engineering**
- **Bachelor of Industrial Sciences in Chemical Engineering, option Chemical Engineering**
- **Bachelor of Industrial Sciences in Chemical Engineering, option Biochemical Engineering**

During the joint studies, you gain general scientific and technological training in the four major basic sciences **(Physics, Chemistry, Biology, and Mathematics)** and their corresponding technological fields **(Energy, Matter, Life, and Information.)**

In the second program stage, you select an orientation to introduce you to your choice of study in the third program stage: will you steer toward Electromechanical/Electronics Engineering or will you choose Chemical/Biochemical Engineering? In the third program stage, you again choose between four majors: Electromechanical Engineering, Electronics Engineering, or Chemical Engineering with a focus on either Chemical Engineering or Biochemical Engineering.

Each bachelor program comprises:

- a **joint program** common to all GROUP T academic bachelor degrees
- a **specific program** in view of the chosen major



## **MANAGEMENT GAME:**

### **A LAB FOR INTERNATIONAL COLLABORATION**

The Management Game forms part of the Management II course for students of the 2<sup>nd</sup> program stage Industrial Sciences. The purpose of this game is to give students insight into how the different functional domains of a company fit together and how they influence each other. Every team of 4 or 5 students sets up a virtual company, a shoe factory. Every group enters into competition with 5 other teams. From their vision and mission they make choices for each functional domain: strategy, finances, marketing, production, and human resources. Via computer simulation they receive feedback about their results.

Frederik Bonroy, Liesbeth Boon, Michiel Boons, Li Chan, Liu Chao, and Huang Liying formed a mixed Chinese-Flemish team. They found it interesting and enriching to take part in such a learning experience. According to them, it was instructive to experience how people with different cultural backgrounds have different perspectives. Different backgrounds are also conducive to different opinions, which one learns to place and appreciate in their proper contexts. They experienced these differences not only in areas involving the execution of their assignment but also in areas that involved more personal issues. The Flemish students were surprised by the store the Chinese students set by zodiac signs and were amazed that they still remembered the zodiac sign of each of the members long after their collaboration. The Chinese students, for their part, were surprised about the importance the Flemish students attached to eating together with the family.

This little group seized the opportunity they were given with both hands and made it into a positive experience for each of its members. The other's culture has now become a bit less strange. In this way, GROUP T provides its students with a laboratory of international collaboration.



## 3.2 BUILDING BLOCKS

The programs are built around the concept of the 5E-engineer.

Each program stage's curriculum focuses on the **Engineering Experiences**, open-ended tasks in which you are challenged to consider every aspect of the 5E-engineer.

The necessary basic technological knowledge is introduced in the **Engineering Content** through course units from all fields of technology and science. In addition, every year attention is paid to specific management and communication techniques for engineers.

Throughout the bachelor program, students acquire **5E-Aspects** through lectures, workshops, and through tasks which deal with Engineering, Enterprising, Educating, Environmenting, and Ensembling.

### Engineering Experiences

From a technological point of view, the Engineering Experiences are cross-professional tasks. On top of that, they also call on a wide range of management and communication techniques.

For each experience you can choose, within a specific theme, the concrete product that you will analyze or create. You learn to work as a member of a team and as a coach of a team. Engineering Experiences also consider environmental, social, ethical, and cultural aspects, and aim at a holistic approach. The course units, designed to broaden the student's profile, include lectures and workshops that introduce these skills, which are then applied within the concept of the engineering experiences.

Both the complexity and the realistic nature of the experiences increase from program stage to program stage. In the first program stage, the theme is How Stuff Works. You are introduced for the first time to engineers, companies, and stakeholders, and to the dynamics of teams. In the second program stage, the accent is on creating: Make Stuff Work. To stimulate creative, innovative, and educational aspects, your team competes with others and presents its creations to a wider audience. For the bachelor project, in the final program stage, your team works out a real-life engineering project under the auspices of a company. For each experience, a team of assistants, teachers, researchers, enterprisers, and/or seniors is available to coach you and to teach you to reflect and develop.

### Engineering Content

In the first two program stages, you are offered a broad scientific/technological knowledge base in all four fields: Matter and Chemistry, Energy and Physics, Information and Mathematics, Life and Biology. In the third program stage, you delve more deeply into one of these four disciplines, paying attention to each of the technological aspects with which engineers can come into contact within the discipline. The course units are designed in such a way that you acquire the knowledge and skills to be able to make the necessary analyses and apply the new ideas in both education and work life.

In Management, you are introduced to the structure of and the role of an engineer in the company in the first program stage. In the second and third program stage, you learn a variety of management techniques, which are applied within the experiences: finance, marketing, operations, and project management. As for Communication, giving presentations (first program stage), drafting reports (second program stage), leading meetings and being persuasive (third program stage) are emphasized. In the final program stage, you sit an internationally recognized English language test.

### 5E-Context

The 5E-aspects are a running theme throughout the curriculum. You explore the various roles you will play as a 5E-engineer within a company and in society. This is accomplished in a very unique way through seminars, tasks, and learning experiences focused on a central theme: climate change (first program stage), the man-machine relationship (second program stage) and engineering life (third program stage.) These themes are approached from Engineering, Enterprising, Educating, Environmenting, and Ensembling perspectives.

More information about the bachelor programs:  
[www.group-t.com](http://www.group-t.com)

### Case Study: A day at the solar races

Make stuff work. In GROUP T's engineering program, the students of the second program stage are presented with two Engineering Experiences: cross-professional projects in which they can integrate all their knowledge and skills to make something that works. In the first semester, for instance, they build a robot. In the second semester, the task becomes one of building a small solar-powered car. Those cars then compete against each other in an actual race. The engineering students of the K.U.Leuven also take part.



# 4 MASTER PROGRAMS

## 4.1 STRUCTURE

GROUP T organizes four master programs:

- **Master of Industrial Sciences in Electromechanical Engineering**
- **Master of Industrial Sciences in Electronics Engineering**
- **Master of Industrial Sciences in Chemical Engineering**
- **Master of Industrial Sciences in Biochemical Engineering**

These programs each represent a weight of 60 credits. You may choose from two formulae:

- a **one-year path** spread over two semesters.
- a **two-year path** spread over four semesters. In this path the training is combined with complementary activities that lead to a complementary certificate.

Within the two-year path, 60 extra credits are reserved for complementary activities the goals of which are to experience integral engineering at its fullest. A substantial part (40 credits) is reserved for a large research- and development based Engineering Experience in collaboration with different companies and research institutes.

With the two-year formula, GROUP T wants to give you the opportunity to gain the supplementary Entrepreneurial Engineering Experience independently, over an extended period of time, and in a professional context. This allows for greater flexibility in the curriculum and the learning environment. The professional environment becomes a fully-fledged learning environment allowing you to better anticipate professional practice, which is, after all, increasingly characterized by a combination of learning and working. Finally, the two-year model also fits in with the international education context in which two-year master programs are the custom.

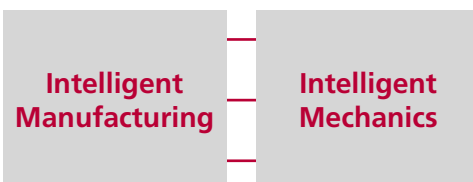
In both the one-year and the two-year paths, the master focuses make up a significant part of the curriculum. These may be used to specialize further in one's area of technological expertise, or to stay in touch with other technological disciplines.

If you do not have the necessary background for the master program you wish to study, you will need to follow a tailor-made preparatory year first.

## 4.2 MASTER FOCUSES

In each master program there are one or two master focuses. The table below provides an overview:

### MASTER OF ELECTROMECHANICAL ENGINEERING



### MASTER OF ELECTRONICS ENGINEERING



### MASTER OF CHEMICAL ENGINEERING



### MASTER OF BIOCHEMICAL ENGINEERING



### **Intelligent Manufacturing (Electromechanical Engineering)**

The issues covered within this focus include the latest production techniques, the way production systems operate, and the intrinsic relationship between production and other business processes, especially the design process. At the core are the possibilities that computer-based systems offer in this context. Moreover, you learn to factor in the tension between technology, economics, and the environment and ergonomics.

### **Intelligent Mechanics (Electromechanical Engineering)**

The Intelligent Mechanics focus relates to designing, developing, and optimizing automated mechanical machines. Based on a strong background in electricity and mechanics, you delve more deeply into aspects like advanced design methods, electronic operations, controls, measures and drives, data communication, and visualization methods.

### **Intelligent Electronics (Electronics Engineering)**

Intelligent Electronics focuses on the combination of hardware and software to develop and implement so-called embedded systems. Examples of these systems are cell phones, MP3 players, digital cameras, etc. You learn to take into consideration limitations in the area of I/O possibilities, memory, speed, and energy consumption.

### **Internet Computing (Electronics Engineering)**

Internet Computing goes along with the trend towards a more broadly distributed approach to developing computer applications. The advantages to this are high reliability, scalability, high performance, easy maintenance, low cost price, etc. Examples of such applications are all web-based and Internet applications like search robots and voice over IP, as well as e-commerce, enterprise resource management, and user applications in the area of info-/edu-/entertainment.

### **Sustainable Process & Materials Engineering (Chemical Engineering)**

In Sustainable Process & Materials Engineering, the central point is reliable technology that meets today's requirements without putting future generations in a tight spot. This implies that materials and energy must be used efficiently, taking into account the impact on the environment. Thus, on the one hand this focus is aimed at sustainable designing, development, and manufacturing of products and systems, and on the other it is aimed more specifically at development, properties, characterization, production, and processing (new) materials.

### **Medical Bioengineering (Biochemical Engineering)**

The focus Medical Bioengineering relates to biotechnological developments in the medical sector. Knowledge of human physiological systems (the cardiovascular system, neurophysiology, etc.) and medical engineering techniques form the foundation of developments in the area of artificial organs, tissue engineering, biomaterials, bioelectronics, and new diagnostic techniques (microarray technology, PCR technology).

More information about the master programs:  
[www.group-t.com](http://www.group-t.com)

## CQS GROUP T RACING TEAM AT FUTURE LEADERSHIP SUMMIT

Two final spots in the 2010 UNIZO award for Entrepreneurship finals, a noted achievement in the race for environmentally friendly 2CVs in Francorchamps and a selection for the first Wall Street Journal Europe Future Leadership Summit. The CQS GROUP T Racing Team continues to impress. Team leaders Cele Van den Haute and Koen Huybrechts were invited for a meeting with the top of the international business world held November 3 to 5, 2010.

The CQS GROUP T Racing Team comprises 20 passionate master's students from GROUP T - Leuven Engineering College. At the initiative of Prof. Geert Waeyenbergh, they went to work on two of the legendary 2CV old-timers and transformed them into modern, environmentally-friendly racing cars. The Odyssee is the electric version, the Pegasus the hybrid 'Duck'. "The design of both cars is practically identical," Cele relates.

"Like the aerodynamic racing body, which is made of 100% recyclable biocomposites. The difference lies under the hood. In the Odyssee, we built in an innovative electric Switched Reluctance Motor that is controlled by software we custom-developed. The Odyssee's battery pack is also special. There are 112 lithium iron phosphate cells, arranged in modules so that they are quickly exchangeable."

"The Pegasus hybrid has kept its original 2CV engine, but has been tuned for bioethanol," Koen continues. "On the rear

axle, we've assembled an electric engine with battery pack that recuperates energy from the brakes it can then release after having turned the corner. This element does result in more weight but the added weight is compensated for by more power and greater acceleration."

During the Future Leadership Summit, the student leaders spoke not only with captains of industry, politicians, professors, and chairmen but also with each other. "The ultimate objective of the summit is the innovation in our society leading to sustained economic growth and social protection. In the long run, this student senate wants to create a high-quality platform to study and analyze the universe of professional leaders in world economics and politics. Membership of the International Student Senate is strictly reserved for student leaders defined as students who became student leaders after genuine, free, and democratic student elections."



## **BEYOND ENGINEERING:**

### **AN ENTREPRENEUR AS A COACH**

Beyond Engineering. This also means discovering the entrepreneur's talent in yourself. This is why GROUP T and VOKA-Chamber of Commerce Leuven have together set up the Engineering-Entrepreneurs Learning Network, a unique initiative fully supported by the Flemish ministers of economy and education. Its purpose is to stimulate entrepreneurship among up-and-coming engineers by putting them in touch, as early as possible, with engineers who are also entrepreneurs.

The Learning Network comprises activities like spending a day with an engineer, visiting companies, attending guest lectures by entrepreneurs, an exciting management game, and a real business project in the third program stage. In each of these activities, engineers/entrepreneurs from the network act as coaches. In the master's programs as well, engineers/entrepreneurs play a crucial role as supervisors of master's theses and as coaches for broad, in-company Entrepreneurial Engineering Experiences. Thanks to the Learning Network, you can already start building your own network in the business world during your studies at GROUP T. Beyond Engineering, that's getting a head start.

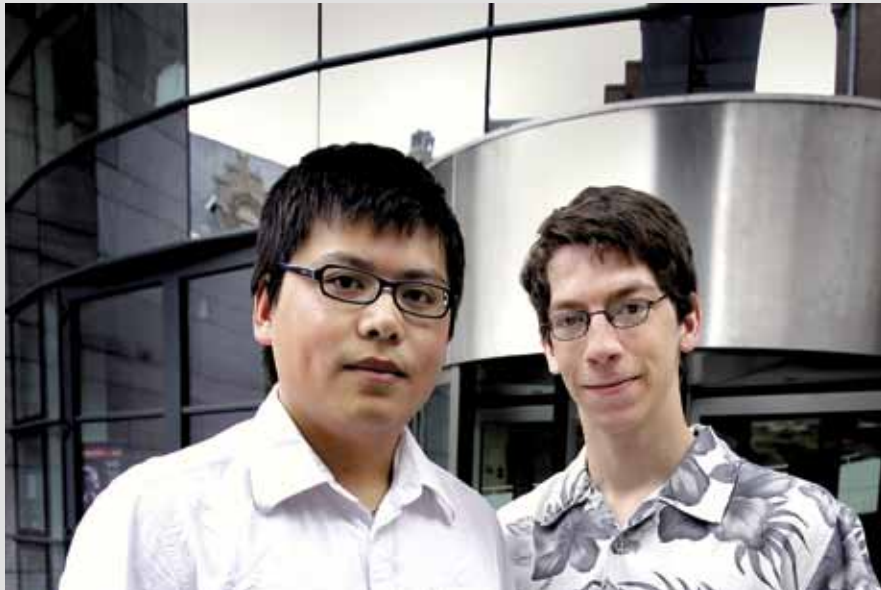
Prof. Guido Vercammen, head of the Management Unit  
Imelda Vanderwegen, Learning Network coordinator



## THE MASTER PROJECT:

### AN INTERNATIONAL EXPERIENCE

Realizing a master's thesis as a team, it's a matter of course at GROUP T. And an increasing number of students of different origins find each other. They form an international team, a carbon copy of the business world they will soon be part of.



Toon Goris and Pan Taibo come from Belgium and China, respectively. They are both master's students in Electronics Engineering and know each other from a previous project on which they were working with four other students. That project related to Digital Image Processing (DSP), a topic they wanted to explore further in their master's thesis. After a meeting at NXP, a Leuven-based company for semiconductors, they were able to set to work there to do their research. It is their intention to use the results in the communication between two hearing aids to improve the hearing experience.

They are unanimously positive about their experience. They complement each other well because they are good at different aspects of the assignment. For instance, Toon is more familiar with the control aspects of DSP research while Thaibo can do his thing in programming.

Getting to know your partner's culture turned out to be a great added value. This getting-to-know-one-another occurred spontaneously while working together, for instance when sharing their favorite music, or eating together and exploring the different tastes that are associated with their respective eating cultures.

Would they recommend an international collaboration of students to their successors? Absolutely, it comes highly recommended. By joining an international team, international students learn how to interact in an entirely new environment. The same is true for the Flemish students: they, too, are offered the opportunity to expand their horizons, to learn how to deal positively with differences in culture and background, to set aside prejudice, and to have an eye for everybody's talent.

# 5 STUDYING IN LEUVEN

## LEUVEN: ANCIENT AND ALIVE

Leuven is an attractive university city in the center of Belgium, only 25 km from Brussels, the so-called capital of Europe. It is located on the great divide between Germanic and Latin Europe.

Leuven is an international meeting point, full of young bright people, a training ground for the Europe to come. Belgium's central position and a dense network of roads and railroads provide easy access to cities like Amsterdam, Paris, London, Cologne, etc.

## LANGUAGE

Most songs played on local radio stations are in English. Cinemas feature movies in the original language. Several radio stations broadcast in English. On TV there is a wide variety of English-language channels: CNN, BBC, MTV, and so on. While Dutch is the native language in Leuven, Flemish students have a good knowledge of English and French. Many graduate and postgraduate courses and programs are taught in English.

GROUP T's Center of Anticipative Continuing Education (ACE) offers excellent opportunities to learn or improve your language skills: eight languages are taught at different levels (Chinese, Dutch, English, French, German, Italian, Spanish, and Thai).

## LIVING CONDITIONS

Living conditions in Leuven easily meet the high standards that are common throughout Western Europe.

Adequate student accommodation is easily found either in private homes or in student housing. The monthly cost (including electricity and gas) for a student room ranges from 250 to 300 euro. Access to the internet is available in student housing and wireless at the GROUP T campus.

Students at GROUP T are offered a free bus ticket and free bicycle rental. They can make use of the K.U.Leuven libraries and restaurants. Students can also receive a membership card of STUK at no charge. STUK is one of Flanders' leading art centers. It offers a wide variety of theater, dance, music, performing arts, visual arts, and movies.

## K.U.LEUVEN ASSOCIATION

GROUP T is a member of the K.U.Leuven Association. This Association is based on a close co-operation between the University of Leuven and 12 university colleges in Flanders. Its members have a total of 70,000 students in campuses in 23 towns and cities across Flanders, i.e. 44 percent of the total number of Flemish students in higher education.

The primary aims of the K.U.Leuven Association are:

- to offer a wide range of study and training;
- to improve the quality of education;
- to improve the quality of research by concentration and an intensive co-operation.

Thus, GROUP T closely collaborates with the University of Leuven (K.U.Leuven), the largest university in Belgium and the oldest in the Benelux countries with a rich history of nearly 600 years.

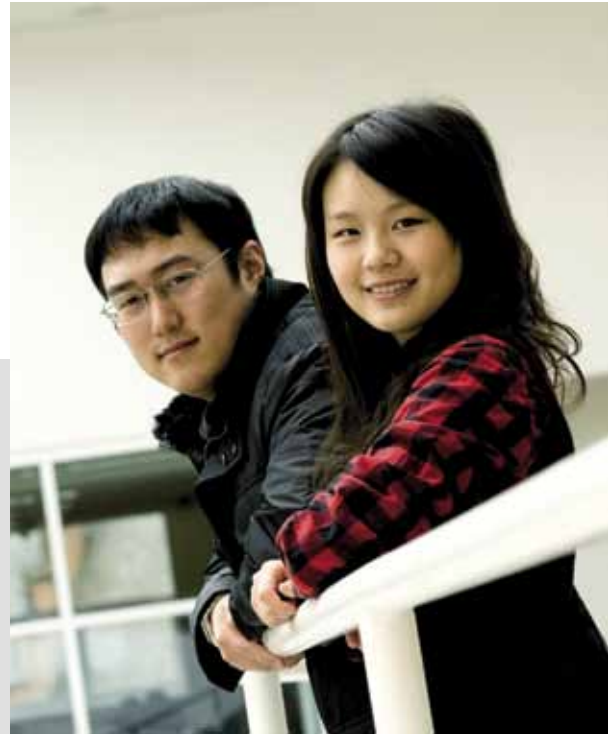
Its 14 different faculties provide undergraduate and graduate education in a full range of academic studies.

Top-level research is conducted and judged according to the highest international standards and implies interaction, co-operation, and exchange, both of researchers and results. As such, K.U.Leuven is a charter member of the League of European Research-intensive Universities (the LERU network), together with the universities of Oxford, Cambridge, Leiden, Edinburgh, Geneva, Heidelberg, Strasbourg, etc. The university ranks among the top ten of European scientific institutions.



## FROM CHINA, WITH LOVE

Fang Huaiyu and Zhang Fan are quite a couple. Although they both studied at the Beijing Jiaotong University, it was only at GROUP T that the flame grew. Both continued their education as well: Fang Huaiyu is doing Marketing Management at the Vlerick Leuven Gent Management School. And Zhang Fan is specializing in Artificial Intelligence at the K.U.Leuven.



Fang Huaiyu and Zhang Fan both studied Electronics Engineering at GROUP T. Fang Huaiyu went for the focus in Intelligent Electronics, while Fan opted for Internet Computing. They earned their diplomas in June 2009. They remember vividly how they arrived in distant Belgium four years ago. "It was my parents who prompted me to go abroad," Fang Huaiyu relates. "Europe was number 1 on the list. At my home university I learned more about the collaboration with GROUP T and the fact that you can enroll in a program in English, which is attractive to quite a few Chinese students. That's how I almost automatically ended up at GROUP T."

Fan, before he started at the Beijing Jiaotong University, stayed in the UK for half a month and there he developed a great appreciation for the European way of life. "At the time, my mind was already made up to study abroad," he confirms. "Friends told me many positive things about Belgium, so I took their advice and that's how I ended up at GROUP T."

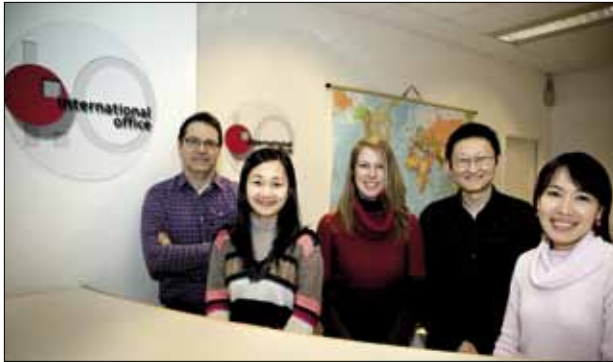
"Student life, however, is completely different from China," Fang Huaiyu notes. "Just the fact that you do not live on a campus here but rent a room in town, makes the experience of being a student in Leuven completely different from being one in China. There your university is your second home where you study and learn together."

"Also studying is different," Fan continues. "The profs at GROUP T set higher standards. You also have a more personal relationship with them than in China. In Leuven, the profs know you by name and you can speak to them or ask them questions at any time when something isn't clear."

Fang Huaiyu is very happy with the lab sessions. "The lab sessions are more elaborate here. These sessions also ensure that you keep up with the theory because otherwise you can't do a good job on the assignments or experiments."

# 6 INTERNATIONAL OFFICE

GROUP T's International Office helps with enrolling and welcoming foreign students. The International Office is also available to foreign students experiencing problems of any kind. Foreign students can use the same facilities as the other students and can take advantage of the same social, legal, and medical services.



## International Office

GROUP T - International University College Leuven  
Vesalius Campus  
Andreas Vesaliusstraat 13  
B-3000 Leuven (Belgium)

Tel: + 32(0)16 30 10 04

Fax: + 32(0)16 30 10 40

e-mail: [internationaloffice@group-t.com](mailto:internationaloffice@group-t.com)

# 7 ADMISSION

Students from outside the EU are advised to contact the International Office of GROUP T in time (tel. +32(0)16-30 10 04, fax. +32(0)16-30 10 40, e-mail: [internationaloffice@group-t.com](mailto:internationaloffice@group-t.com).)

All international students are required to fill out the application form on [www.group-t.com](http://www.group-t.com) and to provide all required documents. Once the application has been approved, students receive an admission letter.

General information for foreign students can be found in the brochure Living in Leuven, available at the International Office or on [www.group-t.com](http://www.group-t.com).

## LANGUAGE REQUIREMENTS

Since the language of instruction is English, it is of vital importance that you have a good command of the English language. In order to be admitted to the program, applicants need to send in an official TOEIC, TOEFL, or IELTS certificate. The minimum scores for admission are listed in the table below.

### Minimum requirements

TOEIC	TOEFL			IELTS
750	PB 550	CB 213	iB 79	6.0

Upon arrival, you will be invited to take a language test at GROUP T in order to confirm these scores and determine what further language support is needed.

If you wish to improve your language skills, you can make use of GROUP T's English language support program, English Excellence.

Applicants residing in Belgium can take a TOEIC at GROUP T. Contact the International Office for more information (tel. +32(0)16 30 10 04, fax. +32(0)16 30 10 40, e-mail: [internationaloffice@group-t.com](mailto:internationaloffice@group-t.com))

## STUDENTS FROM THE LAND OF THE SMILE

Thammasat University (TU) in Bangkok was one of the first partner universities of GROUP T in Thailand. The collaboration, which began in 2004, gained momentum in 2010. GROUP T's international engineering programs and the English Program of Engineering at the TU are creating very favorable circumstances for student exchange, in both the bachelor's and the master's programs. A group of three Thai students has already arrived in Leuven. The first GROUP T students will be able to depart to the land of the smile in the summer of 2011.

Thanaruch Tongpradith is in his fourth bachelor year Industrial Engineering at TU. He is following a customized program at GROUP T with science and technology courses as well as management from the various majors at GROUP T. This allows him to meet many different students. So far, Thanaruch is quite happy with the program. "Experienced professors, helpful students, good reception by the International Office, a nice, and a comfortable campus." Leuven has also gone down well. "Small, but everything is easily reachable on foot, by bike, or by bus. It's a pity, though, that after 18:00 and on Sundays most shops are closed. That was a surprise to us." Once he has completed his bachelor's, Thanaruch wants to obtain a master's degree.

Chatchai Limpasritrakul is Thanaruch's classmate and is consequently following the same program at GROUP T. He refers to the program as 'serious'. "It's hard work but certainly worthwhile. Fortunately, we get a lot of support from the other students." After graduation, he is planning to gain some experience in the industry for a couple of years first.

For Phumikron Viriyarungrong, the exchange is his first experience abroad. "I immediately seized this opportunity with both hands," he says. "Studying abroad provides considerable added value for yourself and your career and certainly in a student-friendly city like Leuven."



# 8 PRACTICAL INFORMATION

## **ENROLLMENT**

The registration period begins July 1. You must come by in person at Vesalius Campus, Andreas Vesaliusstraat 13, Leuven, and may do so weekdays from 9:00 to 12:00 and from 13:00 to 16:00.

Students who register at GROUP T for the first time must bring the following documents:

- a valid passport;
- your admission letter;
- your letter of information.

## **TUITION FEE**

If you are a citizen of one of the members of the European Higher Education Area, have been granted admission or authorization for permanent residence in Belgium, or if your request for asylum in Belgium has been accepted, government funding allows for an annual tuition fee of € 564.3. In all other cases the annual tuition fee is set at € 4064.3 (2010-2011 academic year). These amounts are subject to indexation and cover scheduled learning activities and exams.

## **ACADEMIC YEAR**

The academic year starts at the end of September and ends at the beginning of July. There are two semesters of 14 weeks each. After each semester there is an exam period of two to four weeks.

## **INTRODUCTION COURSES FOR INTERNATIONAL STUDENTS**

Two weeks before the start of the new academic year, GROUP T organizes introduction courses. These courses are specially designed to prepare the new international students for a smooth start in their new environment.

## **MORE INFORMATION**

GROUP T - International University College Leuven  
International Office  
Vesalius Campus  
Andreas Vesaliusstraat 13  
B-3000 Leuven (Belgium)  
Tel: +32 (0)16 30 10 04  
Fax: +32 (0)16 30 10 40  
e-mail: [internationaloffice@group-t.com](mailto:internationaloffice@group-t.com)  
[www.group-t.com](http://www.group-t.com)

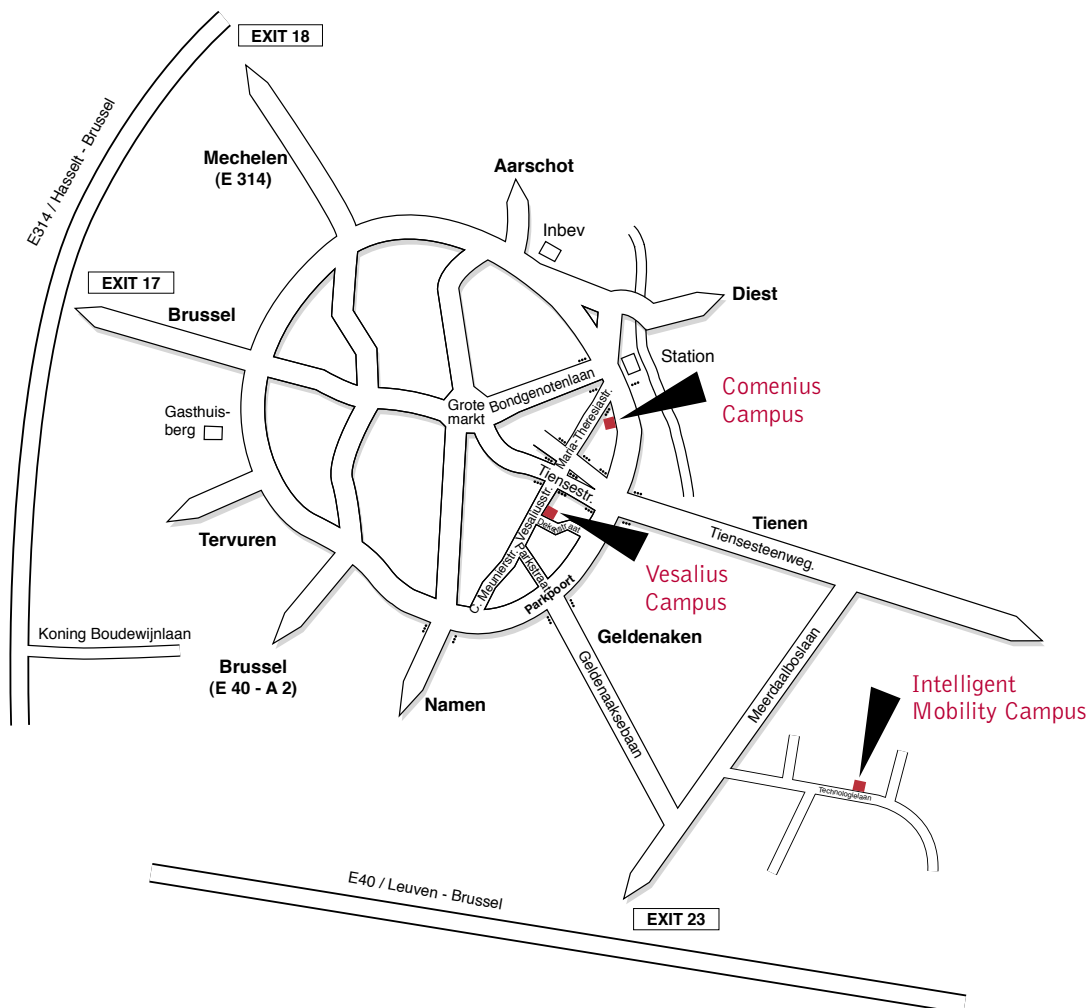
# 9 LOCATION

GROUP T has three campuses in Leuven:

**Vesalius Campus** Andreas Vesaliusstraat 13 - 3000 Leuven  
Leuven Engineering College and ACE-GROUP T

**Comenius Campus** Tiensevest 60 - 3000 Leuven  
Leuven Education College (teacher training)

**Intelligent Mobility Campus** Haasrode Business & Research Park, Technologielaan 11 - 3001 Leuven



[www.group-t.com](http://www.group-t.com)

**GROUP T**

---

INTERNATIONAL UNIVERSITY COLLEGE LEUVEN