

SKEMA
BUSINESS SCHOOL
CENTRALE
LILLE
ITEEM

BACHELOR IN MANAGEMENT
AND ENGINEERING SCIENCES

skema
BUSINESS SCHOOL



centralelille
ITEEM

2026-2027

EDITORIALS



“SKEMA Business School stands as a pioneering higher education institution that has created a new model of education. Our mission is to empower younger generations to become catalysts in shaping societies, serving as ambassadors of youth worldwide during their studies, and to become visionary leaders and decision-makers dedicated to creating lasting impact.

To achieve this, SKEMA fosters convergence between youthful vision and meaningful action. We recognise the diverse backgrounds of our students and firmly believe in the power of collective action. Young minds can confront the challenges of our times: ecological, climatic, social, and economic transitions.

With campuses established on five continents - North America, South America, Asia, Africa, and Europe - our students get global exposure. They are primed for the complexities of globalised, multicultural, innovative, and socially responsible companies and organisations.

At SKEMA, our educational programmes and students’ international experiences are rooted in strong core values: daring, sustainability, diversity, striving for excellence, and working for the greater good. As a not-for-profit organisation, we hold a recognised position of public interest. Our strategy is designed to empower students and partner companies alike in making significant contributions to societal development, while respecting the unique cultural contexts of each campus’s region across the world.”

Alice Guilhon, Dean & Executive President,
SKEMA Business School



“ Centrale Lille Institut, through its four engineering schools – École Centrale de Lille, ENSCL, IG2I and ITEEM – is a leading training and innovation hub.

By combining academic excellence, cutting-edge research, international openness and collaborations with companies, the Institute prepares the engineers of tomorrow to meet the major challenges of our time.

At Centrale Lille Institut, we are convinced that the engineer of tomorrow must master cutting-edge science and technology, in a spirit of responsibility and openness to environmental, social and economic issues. This vision is supported by a teaching staff, involved in high-level research and in direct contact with the major industrial and academic players, both nationally and internationally.

Innovation and entrepreneurship are part of its DNA and its pedagogy. Students are encouraged to develop their critical and creative thinking skills through collaborative projects, internships in companies and collaborations with cutting-edge research laboratories. By cultivating this spirit, its schools, including ITEEM, train engineers capable of inventing the technological solutions of tomorrow, with a view to sustainable development and social progress.”

Thomas Maurer, General Director,
Centrale Lille Institut



A PARTNERSHIP OF EXCELLENCE

SKEMA Business School: a global, committed and innovative school

Founded in 2009 by the merger of ESC Lille and CERAM Business School, SKEMA Business School has quickly established itself as a leading international educational institution. Today, with more than 11,000 students spread over 9 campuses covering 5 continents (South Africa, Brazil, China, United Arab Emirates, United States and France), SKEMA prepares the talents of tomorrow to meet global challenges and transform the world in a sustainable way.

The SKEMA experience is based on strong values: daring to innovate, committing to sustainable development, embracing cultural diversity, aiming for academic excellence, and acting responsibly to shape the future. These principles are at the heart of programs, student projects, and collaborations with the professional world.

International recognition

SKEMA has triple international accreditation (EQUIS, AACSB, EFMD EMBA Accredited), a guarantee of the quality of its teaching. Its programs are recognised throughout the world, especially in France (Visa, Bachelor's Degree, Master's Degree, RNCP, CGE label), the United States (Licensing), Brazil (Certificação), China (recognition by the Ministry of Education) and the United Arab Emirates (KHDA).

As a member of the Conférence des Grandes Écoles (CGE) and the Conference of Directors of French Management Schools (CDEFM), SKEMA is part of a dynamic of pedagogical innovation and global influence, offering its students a learning environment enriched by cultural diversity, new technologies and internationalisation.

By joining SKEMA, you become not only a student in a business school of excellence, but also part of a global community of more than 60,000 graduates across 145 countries, ready to accompany you throughout your professional and personal journey.

10

locations in 7 countries:
Brazil, Canada, China, France,
South Africa, UAE, USA

11,000

students with more than
130 nationalities.

197

academic partnerships
in 56 countries

63,000

graduates based in 145 countries.

Multi-accredited



Its programmes are recognised in France (Visa, 'Licence' Degree, Master Degree, RNCP, CGE label), as well as in the United States (Licensing), Brazil (Certificação), China (Ministry of Education) and UAE (CAA, KHDA).

Member of the Conférence des Grandes Écoles (CGE). Member of the Conférence des Directeurs d'Écoles Françaises de Management (CDEFM)

Challenges^s
3rd best BBA (2025)

More information:
<https://www.skema.edu/en/rankings>



Centrale Lille Institut and ITEEM: Excellence in engineering and management

Founded in 1854, Centrale Lille Institut is one of the leading public institutions of higher education and research in France. With more than 170 years of history, the school trains high-level engineers and researchers, recognised for their scientific and technical expertise. Centrale Lille brings together four engineering schools: the École Centrale de Lille, the ENSCL (École Nationale Supérieure de Chimie de Lille), the IG2I (Institute of Computer and Industrial Engineering) and the ITEEM. The institute has more than 2,200 students, including nearly 150 doctoral students, spread over two campuses.

Centrale Lille stands out for its search for excellence with 7 laboratories and several technological platforms, playing a major role in innovation. Internationalisation is also at the heart of its strategy with 160 partner universities and double degree agreements around the world.

ITEEM, a school integrated into Centrale Lille

Among the four internal schools of Centrale Lille, ITEEM stands out for its unique approach. Resulting from a partnership between SKEMA Business School and Centrale Lille Institut, ITEEM trains «Entrepreneurial Engineer Managers» through an innovative and multidisciplinary programme. This course combines technical engineering skills with management skills, while developing a strong entrepreneurial spirit. ITEEM encourages its students to innovate, undertake and play a key role in the transformation of tomorrow's companies and industries.

Thanks to this unique approach, ITEEM enables its graduates to master the technological and managerial challenges of the future, focusing on the values of sustainability, boldness and high standards. With a network of 24,000 alumni, Centrale Lille offers a solid springboard to an international career.

170

years of history
1 Institute and 4 internal schools
spread over 2 sites

2 200

students, 19% of whom are
international

12

Technology Platforms
and engineering

549

graduates in 2023

160

Partner universities

Accredited



LE FIGARO

4th most selective engineering
school (2024) ole d'ingénieur
la plus sélective (2024)

WHY CHOOSE THE BACHELOR IN MANAGEMENT AND ENGINEERING SCIENCES

FOUR-YEAR BACHELOR'S DEGREE - LEVEL 6 - GRADE DE LICENCE



At a time when companies are actively seeking versatile profiles capable of managing technological projects while fully embracing the values of social and environmental responsibility, **Centrale Lille** and **SKEMA Business School** are combining their expertise to offer a Bachelor's degree in Management and Engineering Sciences, a programme aimed at fourth-year university level and awarded the Grade de Licence. The programme is recognised by both the Commission des Titres d'Ingénieurs (CTI) and the Commission d'Évaluation des Formations et des Diplômes de Gestion (CEFDG).

This Bachelor's degree responds directly to the needs of the market by training versatile and operational professionals, ready to meet the current and future needs of companies, with skills in artificial intelligence, data management, renewable energies and management to facilitate the digital and energy transition of industries.

DUAL COMPETENCE

Unique learning experience combining managerial, scientific and technical skills, focused on digital transformation and energy transition.

INTERNATIONAL OPENNESS

Teaching in English, development of an international culture and academic and professional mobility

DUAL EXPERTISE

The bachelor's degree is led, directed and managed by the two schools, which pool their areas of expertise, their teachers and their resources

BACHELOR'S DEGREE

Degree accredited by the French Ministry of National Education, Higher Education and Research, conferring the degree of a French «license» (Bac +4 - Level 6. More information: [RNCP n°38764](#))



CO-ACCREDITATION

CTI (quality control of engineering degrees) / CEFDG (quality control of business and management degrees).

TEACHING EXCELLENCE

Project-based teaching and a personalised approach, allowing each student to find their path to excellence.

EVOLUTIONARY PATH

Scientific bases, discovery of the professional world, skills development, international immersion and specialisation in the energy transition.

FINAL VALIDATION

Internship and dissertation, placing our graduates at the forefront of market expectations.

“ITEEM students are distinguished by their multidisciplinary and entrepreneurial spirit.

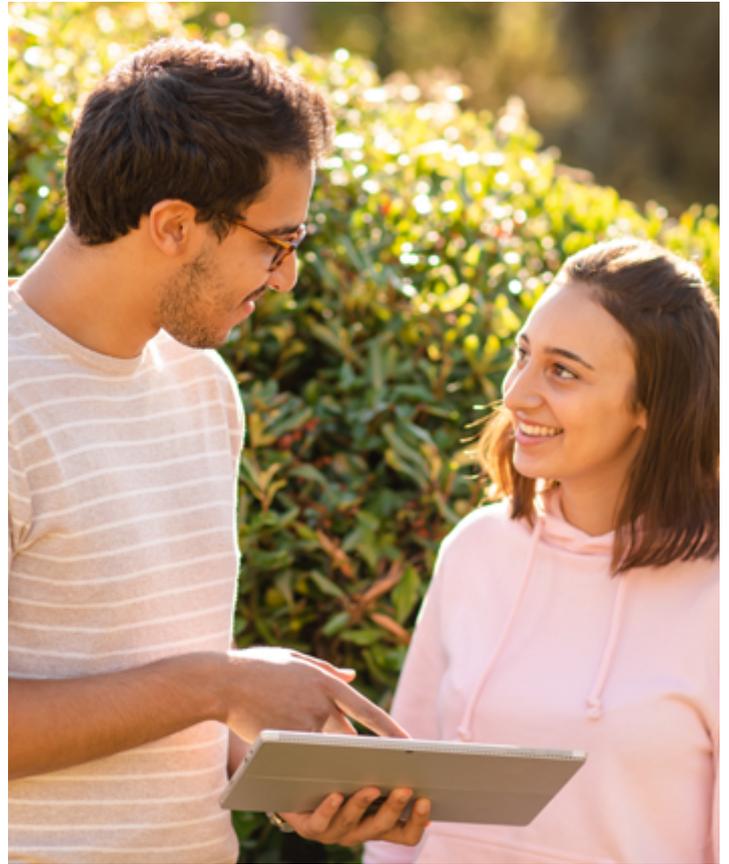
Their expertise extends to all levels necessary to innovate and contribute to industries and companies: it ranges from fundamental issues, with a strong focus on physics and mathematics, to understanding the marketing strategies that connect them to social and environmental issues.

As a professor, their technical and managerial skills are both a challenge and an opportunity.

As a researcher specialising in fundamental problems, teaching at ITEEM pushes me to connect my courses to concrete situations in the industry. Indeed, ITEEM students are always looking to combine their different skills in a holistic vision of engineering and management.„

Martin Obligado

Research Professor at ITEEM
In charge of fluid mechanics modules



“SKEMA students develop strong business and management skills, with a resolutely international orientation.

Through multidisciplinary training, they gain an in-depth understanding of the issues that companies will face in the years to come, such as environmental challenges, the advent of artificial intelligence, and the evolution of geopolitical relations in a globalised world.

The spirit of initiative, the openness to new perspectives, as well as the cultural diversity in which our students evolve every day, are major assets in training the leaders of tomorrow.

As a professor at SKEMA, I have the privilege of seeing these students grow throughout their academic career. They develop not only solid technical skills, but above all essential interpersonal skills, whether it is through their commitment or during their international mobility experiences, which profoundly transform their vision of the world and of the company.„

Yan Grasselli

Programme Director and Professor of Physics
at SKEMA Business School

ACADEMIC CONTENT

Obtaining the diploma is based on the validation of teaching modules spread over the four years in equal parts between the scientific and management fields.

THE FIRST YEAR

is focused on the acquisition of scientific foundations, skills in digital and renewable energy, as well as on the discovery of the environment professional, with plans to organise and get to know each other.

THE SECOND YEAR

focuses on the development of previous skills, project management, science and data processing, and adaptation to the professional world.

THE THIRD YEAR

This compulsory international programme enables students to hone their skills in data processing and Sustainable Development/ Social Responsibility (SDRS). A six-month internship, also carried out abroad, complements the academic training with concrete professional experience.

THE FOURTH YEAR

with a more advanced specialisation, focuses on the tools needed for the energy transition, culminating in an internship and a final thesis studies carried out in companies, where all the skills acquired are put into practice.

Throughout the four years, the courses are balanced between scientific aspects and the realities of the professional world, with continuous evaluation and concrete projects to ensure optimal preparation for professional challenges.





THE CURRICULUM

YEAR ONE		Number of hours	ECTS credits
Semester 1	Introduction to Digital Culture	10	1
	Computer Business Applications	30	3
	Natural Resources	40	6
	Introduction to Business	22	2
	Calculus for Engineers I	60	7
	Introduction to Research Method	10	1
	Principles of Economics	60	7
	Marketing Principles	20	3
	The Climate Fresk	4	0
English Reinforcement / FLE	60	0	
Semester 2	Academic Research & Writing	40	6
	Database Management	20	2
	Information Systems	20	2
	Renewable Energies	50	5
	Introduction to Operations Management	30	2
	Corporate Social Responsibility	30	2
	Calculus for Engineers II	60	7
	Accounting Principles	25	2
	Management Principles	25	2

YEAR THREE		Number of hours	ECTS credits
Semester 5	Artificial Intelligence for Business and Society	40	5
	Data Sciences	40	5
	Machine Learning	40	5
	Nuclear Energy	40	3
	Energetic Transition	40	3
	Corporate Governance	30	3
	Business Development	40	6
S6 Internship	900	30	

YEAR TWO		Number of hours	ECTS credits
Semester 3	Professional Writing	20	2
	Algorithm and Programming	40	4
	Fluid Mechanics	30	3
	Manufacturing Processes and Supply Chain	60	6
	Nature and Human Values	30	3
	Calculus for Engineers Iii	60	7
	Project Management I	40	4
	Technology Management	20	1
	Presentation Skills	30	1
Semester 4	Life Cycle Assessment	25	3
	Introduction to Artificial Intelligence	15	1
	Thermodynamics	50	6
	Modelling and Optimisation of Processes and Flows	50	5
	Business Ethics	20	2
	Linear Algebra	60	7
	Project Management II	40	4
	Organisational Behaviour	25	1
	English Certification Preparation	30	0

YEAR FOUR		Number of hours	ECTS credits
Semester 7	Electric Power Grids	25	3
	Smart Grids	25	3
	Environmental Impact Assessment	25	3
	Environmental Engineering	25	3
	Data Analysis	20	2
	Industrial Statistics	20	2
	Business Decision	20	2
	Principles of Reporting	20	2
	Production Management	40	5
	Special Topics	20	1
S8	Artificial Intelligence and Management	30	2
	Risk Management	30	2
	Research Methods	70	12
Bachelor Thesis	900	18	

ALUMNI SERVICES

A STRONG, ACTIVE AND SUPPORTIVE NETWORK

As a graduate of SKEMA Business School and Centrale Lille - ITEEM, you will be able to benefit from the support and alumni services network of both schools.

SKEMA ALUMNI

is a network of 60,000 graduates, of more than 13 nationalities in 145 countries. A range of services and events to support members in their professional and personal journey, as well as opportunities to meet and meet in the four corners of the world...

Benefit from a wide range of services and many tools available to you as a student and throughout your life:

Online directory

A tool for you and others that allows you to find the members of the SKEMA network around the world at any time, to be visible to the community, to stay in touch with the school and to receive relevant information.

Career support

A variety of services at your disposal to find your first job, support you during a career transition, mobility: Individual coaching, web-workshops and webinars, job offers, Meet-up and Mentoring, skills assessment, preferential rate for SKEMA executive training.

Professional and networking events

Afterworks, theme meetings, parties, conferences, study trips, graduation parties: in France and abroad.

www.skema-alumni.com

CENTRALE LILLE ALUMNI

is a community of 24,000 graduates in more than 80 countries.

The commitment of Centrale Lille Alumni:

Assisting graduates

in their professional integration through mentoring and career workshops,

Facilitating exchanges

and meetings between members at the regional, national and international. As such, more than 150 events per year are organised to energise and create a real network spirit,

Supporting the strategic development

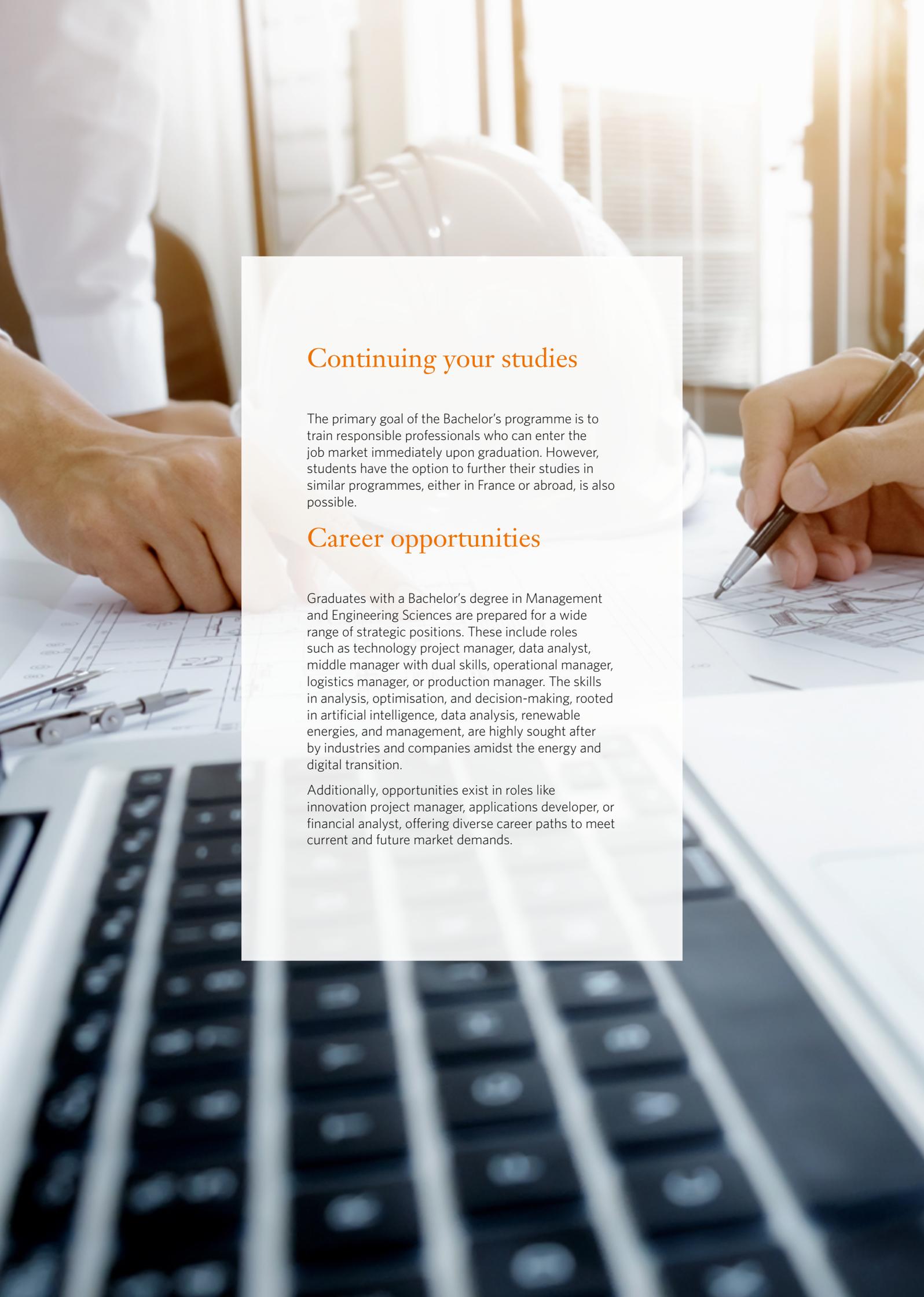
and transformations of the school,

Promoting

its graduates.

www.centraliens-lille.org





Continuing your studies

The primary goal of the Bachelor's programme is to train responsible professionals who can enter the job market immediately upon graduation. However, students have the option to further their studies in similar programmes, either in France or abroad, is also possible.

Career opportunities

Graduates with a Bachelor's degree in Management and Engineering Sciences are prepared for a wide range of strategic positions. These include roles such as technology project manager, data analyst, middle manager with dual skills, operational manager, logistics manager, or production manager. The skills in analysis, optimisation, and decision-making, rooted in artificial intelligence, data analysis, renewable energies, and management, are highly sought after by industries and companies amidst the energy and digital transition.

Additionally, opportunities exist in roles like innovation project manager, applications developer, or financial analyst, offering diverse career paths to meet current and future market demands.

ASSOCIATIVE LIFE

LIVE A UNIQUE ASSOCIATIVE EXPERIENCE THANKS TO TWO GRANDES ÉCOLES

Getting involved in community life is an unmissable opportunity for students in our joint programme between SKEMA Business School and Centrale Lille. You will have the opportunity to participate in the activities of both student ecosystems, enriching your academic career with concrete experiences in project management, leadership, and team spirit. This dual access will allow you to develop an extensive network while investing in exciting projects that reflect your interests, whether they are sporting, cultural, entrepreneurial, or solidarity-related.

These human adventures, an integral part of student life, contribute to the development of the personality (through commitment, taking initiative and responsibility, carrying out projects) but also to the acquisition of a real team spirit.

The commitment to associations is fully supported by the school: premises, subsidies, dedicated contacts and academic enhancement of the associative career. Within SKEMA, There are nearly 80 associations in various fields in which you can invest yourself and take responsibility.

CLUBS AT SKEMA

With more than 80 clubs, the associative life is rich and varied. Whether you are passionate about sport, culture or entrepreneurship, you are bound to find a project that suits you. Among the most popular associations:

BUREAU DES SPORTS (BDS) : Promotion of sport through the organisation of events and participation in inter-school competitions.

BUREAU DES ÉLÈVES (BDE) : Organisation of festive and cohesion events throughout the year.

SKEMA CONSEIL : The school's Junior Enterprise, offering professional services for external companies.

HOPE : An association committed to humanitarian and social causes, both locally and internationally.

asso-skema.fr

CLUBS AT CENTRALE LILLE

At Centrale Lille, associative commitment is perceived as a lever for personal and professional development. With more than 70 clubs and associations, students can explore initiatives in a variety of areas such as:

BUREAU DES SPORTS (BDS) : Organisation of sports competitions and promotion of sports practice on campus.

BUREAU DES ÉLÈVES (BDE) : Its objective is to animate student life on campus by organizing various events.

CENTRALE LILLE PROJETS : Realisation of concrete projects for companies, allowing students to put their technical and managerial skills into practice.

CENTR'AIDE : Commitment to charitable and social actions, in support of local and international causes.

and many more !

ecole.centralelille.fr/la-vie-associative

AN EXCEPTIONAL FRAMEWORK FOR ENGAGEMENT

Thanks to these many opportunities, you will be able to flourish within unifying projects, while developing essential skills such as team management, innovation and solidarity. Whether it's by joining a sports club, taking part in a humanitarian initiative or piloting an entrepreneurial project, associative life will allow you to build a complete and versatile profile, appreciated by recruiters.



Practical informations

THE CENTRALE LILLE CAMPUS

Located on the Cité scientifique of Villeneuve d'Ascq, the ITEEM is only 15 minutes from Lille city centre and 10 minutes from Centrale Lille near the terminus of metro line 1, Cité Scientifique stop.

In addition to traditional workspaces, students benefit from equipment such as a FabLab, a foundry, a CAD (computer-aided design) room, a mechanical and materials workshop, as well as state-of-the-art IT and coworking spaces. Many services are also available around the school such as a learning centre, four university restaurants, sports facilities, a health centre. In the immediate vicinity there is also a swimming pool, a shopping centre, restaurants, cinemas and the Pierre Mauroy Stadium for sports and concerts.



THE RESIDENCE

Just a stone's throw from ITEEM, the CROUS Gustave Eiffel residence is an ideal choice for students arriving in Lille for the first time. It offers a comfortable and secure environment with all the services needed to start student life in the best possible way. ITEEM has also signed an agreement with this residence, making it easier for its students to rent an individual studio.



MOVE

The Lille metropolis benefits from a public transport network including metro, bus and tram at advantageous rates. V'Lille bicycles are also available for self-service, with or without a subscription.

THE CITY OF LILLE

Lille is an integral part of the European Metropolis of Lille (MEL), located at a strategic crossroads between the United Kingdom, Germany, Belgium, the Netherlands and Luxembourg. A true economic and cultural crossroads in Northern Europe, Lille is distinguished by its dynamism.

The MEL is a young and fast-paced metropolis, welcoming more than 110,000 students, with a population of which nearly half is under 30 years old!

With its many bars, restaurants and clubs, Lille offers an ideal living environment for students, where everything is in place to live an unforgettable experience. In addition to its rich heritage, the city is distinguished by its economic dynamism and commitment to innovation. Structures such as Euratechnologies, the largest startup incubator in France, and the presence of many international company headquarters illustrate this vitality.



ADMISSIONS

Bachelor in Management and Engineering Sciences

NATIONAL ADMISSIONS

If you hold a **French baccalaureate** and wish to apply for the first year

You must register on www.parcoursup.fr between mid-January and mid-March. During the initial phase of the platform, you will be able to select this option. A competition, comprising an eligibility phase and an admission phase, will determine the final ranking of candidates admitted to the programme.

ADMISSION REQUIREMENTS

- ▶ Mathematics specialisation in final year compulsory
- ▶ Second scientific specialisation **optional** but preferable

ENTRANCE COMPETITION

The competition comprises an eligibility phase, with written tests will take place remotely via video call, **mid April 2026**, and an admission phase, including interviews, in **May 2026**.

Eligibility phase

- ▶ Examination of academic records
- ▶ Epreuves écrites :
All the written tests are in multiple-choice format. They are divided into 2 parts:
 - Analyse, Understanding and Problem-Solving – Mathematics test (1 hour 30 minutes, in English)
 - Communication - English Test (30 minutes)

Admission phase

- ▶ Oral assessment – Interview conducted via video call, in English (20 minutes). The following criteria are assessed:
 - Team spirit and ability to work collaboratively
 - Involvement and commitment to extracurricular and co-curricular activities
 - Open-mindedness and curiosity
 - Alignment between the applicant's academic/ professional goals and the Bachelor's programme.

INTERNATIONAL ADMISSIONS

If you have an **International Baccalaureate or its equivalent**

You will be admitted through your own entrance examination. This examination will include the same types of tests to ensure equitable treatment for all applicants (apply on myskemapply.skema.edu).



ADMISSION REQUIREMENTS

- ▶ International Baccalaureate holders or equivalent

TESTS OF THE COMPETITION

The competition consists of an eligibility phase (application file) and an admission phase (motivation interview).

Application form

- ▶ Report cards for the last two years of secondary school (or equivalent),
- ▶ Detailed content of the mathematics courses taken by the candidate
- ▶ Letters of recommendation (2 max) optional.

Admission phase

If the application is deemed admissible, the candidate will be invited for a motivation interview of the same type as that of the national route (see admission phase).

TUITION FEES

ANNUAL TUITION FEES: €14,000
BACHELOR'S COMPETITION REGISTRATION FEES: €60

The tuition fees mentioned in this brochure are given for information purposes only and are subject to change. The updated tuition fee will be available on our website www.skema.edu and the final amount will be indicated on your contract.

SKEMA - CENTRALE LILLE - ITEEM

BACHELOR IN MANAGEMENT AND ENGINEERING SCIENCES

CONTACT US

SKEMA Business School

www.skema.edu

international.admissions@skema.edu

Centrale Lille - ITEEM

www.centralelille.fr

admissions.iteem@centralelille.fr

MAKE AN
APPOINTMENT

