

## PROGRAMME SPECIFICATION

### MSc in Energy Management

KEY FACTS	
Programme name	MSc in Energy Management
Award	DEAMIE, <i>Diplôme d'Etudes Avancé en Management International des Entreprises (Grade de Master)</i> An ESCP diploma, the MSc in Energy Management
Type of study	Full time
Total ECTS	120 ECTS

#### SUMMARY

The MSc in Energy Management provides students with a holistic, 360-degree view of the energy business.

It provides students with the ability to develop and implement strategies to address major issues in energy regulation and policy, and to understand the energy business environment and its fundamental economic and technological concepts. Graduates are awarded the French Master Degree (DEAMIE) with a specialisation in Energy Management covering renewable and alternative energy, sustainability, electricity markets and oil business, as well as gas and LNG markets. It focuses on the essential toolkit to manage real-life energy projects in the energy transition era. The MSc in Energy Management is supported by specialist faculty industry professionals, as well as our London-based Energy Management Centre (EMC). Taught at the London and Paris campuses, the specialisation offers a unique opportunity to explore the global energy scene while studying in two essential European energy hubs.

#### Aims

The MSc in Energy Management curriculum is designed to fulfil four main objectives:

- **General Management:** Develop solid general management skills with a particular focus on energy-related case studies
- **Energy Fundamentals:** Gain an in-depth knowledge of energy technologies, industries and markets and how current market changes are affecting energy transition processes
- **Energy Management Strategy:** Develop the skills and strategic mindset to cope with the managerial challenges energy companies and institutions are facing
- **Professional Development:** Obtain the necessary skills, techniques and practical experience in managing real-life energy projects

#### Learning Outcomes of the programme:

Competency Goals	Learning Objectives
	LO1a: The student masters conceptual frameworks of the field of Energy Management

CG1: To acquire an advanced technical expertise in the specific professional sector of the MSc	LO1b: The student demonstrates in-depth knowledge of applied skills and toolkits for the industry of Energy Management
CG2: To possess an operational knowledge of the specific field of the MSc	LO2a: The student demonstrates the capacity to start quickly a career in the industry of Energy Management
	LO2b: The student applies knowledge of the best practices of Energy Management for problem solving of Energy Management sector
CG3: To approach sustainability issues with an analytical/critical mindset	LO3a: The student takes into account sustainability issues in business context with socially responsible behaviour
	LO3b: The student analyses a complex question of Energy Management with a constructive approach
CG4: To be able to work within a group team in a digital context	LO4a: The student develops creativity when she/he works in groups
	LO4b: The student demonstrates leadership behaviour

## HOW WILL I LEARN?

### In-class teaching

Our aim is to alternate learning approaches between lectures and other types of activity involving significant student participation. Lessons include examples, case studies and student presentations, often in a European or international context. In general, student interaction is strongly encouraged, even within the framework of our formal lectures, which systematically reserve time for whole class discussion.

### Personal study

To be prepared for class lectures, students need to study and prepare on their own time outside of scheduled class periods. This independent work can involve reading textbooks or other materials that help students gain a deeper understanding of the subject. This out-of-class work may be done individually or in groups.

### Thesis

Students are required to complete a Master thesis. The thesis is an individual project for the Master degree and must be approximately 12,000 words. It is a theory/praxis-driven investigation into a relevant business or management issue. Each student conducts the thesis under the supervision of a faculty member.

### Group work

Group work is a critical element of the specialisation. Applied exercises are used extensively in group learning approaches. These groups focus on three different learning dimensions: the development of managerial skills; the development of interpersonal skills; and the development of cross-cultural skills.

Multicultural group work and exposure to different academic cultures constitute a key component of the internationalisation process.

**Internship**

The programme requires a minimum 16-week internship or direct employment experience. This provides participants with the opportunity to be confronted with real business conditions and develop their practical skills as part of an action-learning pedagogy. These important job-seeking skills are developed with the professional support of School specialists in the Careers Office and Alumni Association

**WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?****Assessment methodology**

The assessment methods are driven by twin goals: to objectively evaluate the student's acquired knowledge and skills, and to enable the academic staff to follow up the student's progress during the course in order to adapt the following sessions to the learning pace of the group.

These methods also establish the link between formal learning (lectures) and applied work, and between the academic content (theory) and the development of management skills (case studies, field work). Such skills include time management, information management (in contexts of data scarcity and data overload), and teamwork.

**Assessment methods in use**

The student cohort is usually diverse in terms of nationalities and there is a considerable percentage of students with English as a second language. The tutors responsible for the modules are therefore very clear about the module objectives, learning outcomes and assessment methods to ensure that students with English as a second language are not disadvantaged in any way.

Each course component included in any assessment is described in detail in the course outline, and its weighting in the final assessment mark is made very clear.

The dates for the submission of group work, projects, and student presentations are given at the beginning of the module.

**Assessment Regulations**

In order to graduate, students must successfully complete the relevant modules and assessments to acquire the required number of credits.

- Students must achieve 8/20 on any module's final exam to consider the exam passed. Students must achieve a minimum grade of 10/20 on the module as a whole, including exam grade and coursework, to consider the entire module passed.
- Please refer to module specifications for details on individual assessments. Assessment criteria vary according to the module or specialisation.
- Resits: one resit attempt is offered whenever a student fails the module or does not take a final exam.

**Failure to pass a programme:**

- If - having exhausted all permitted resit attempts - a student still fails a module, the student will be withdrawn from the specialisation.

### **Resit examinations**

A resit exam is a second attempt at an initial failed assessment without having to repeat the original period of teaching and learning. The resit mode may vary depending upon the nature of the initial assessment. A resit is granted by the relevant Assessment Board, which also makes the final decision on resit arrangements.

Where there is more than one assessment component in a module, an Assessment Board makes clear which assessment components they are required to re-sit.

A student normally has a maximum of two attempts to pass each assessment component: a first attempt and a resit. Students who have approved Mitigating Circumstances may be granted a further attempt.

Only in exceptional circumstances will the Assessment Board allow the student to take a second resit examination.

### **Resit arrangements will be as follows:**

1. If the student fails to achieve the minimum qualifying mark in any component, they must resit that component regardless of the aggregate module mark.
2. If the student fails to achieve the pass mark for the module on aggregate, it will be necessary to resit all components with a mark below the module pass mark. This includes components with minimum qualifying marks.

### **Examinations:**

- To ensure all the different learning outcomes are evaluated in any given module, lecturers set a range of examination questions in an examination paper covering the main parts of the syllabus.
- Assessments should require participants to demonstrate a practical and integrative approach to a problem area or issue.
- It must be feasible for students with English as a second language to give the required response in any examination paper within the given time allowed.
- The examination questions should not lead to any misunderstanding especially for students with English as a second language.
- A marking scheme presents a clear choice for each examination subject (with marks given to each question) to enable the students to know the assessment value of each part of the examination, and to guarantee the openness of the marking system.

- As concerns resit exams for core courses, students are entitled to take the exam at whichever campus is most suitable for them.

For all core courses, final examinations are invigilated and written anonymously in number coded examination booklets or online. Students work independently in all examinations, be they in class or online.

### **How and when will I get feedback on my assessments?**

Feedback on the final exam is available in the following ways:

- Feedback can normally be expected within six weeks of the assessment
- A document prepared by professors indicating the elements which make a good examination answer will be posted on the e-learning platform after the release of marks.
- Students who fail their examination are permitted to view their scripts at specific times on specific dates. These sessions will be announced by the Programme Office in advance.

### **WHAT AWARD CAN I GET?**

Students will qualify for the DEAMIE, *Diplôme d'Etudes Avancé en Management International des Entreprises (Grade de Master)*, if they satisfy the pass requirements for all modules within the programme and achieve the total number of credits. Other students will be awarded an ESCP diploma, the MSc in Energy Management.

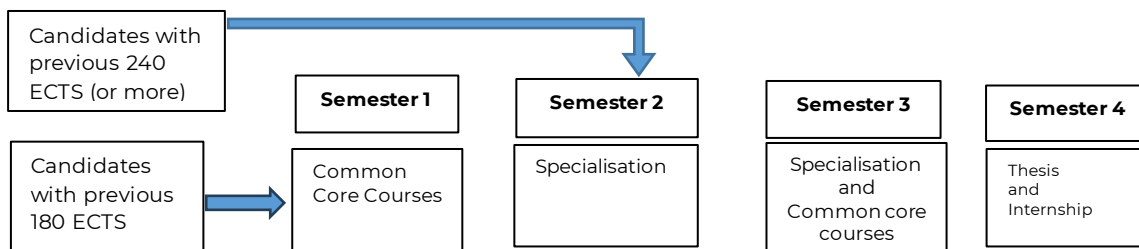
The aggregate degree mark is calculated as the average of the module marks of the programme, weighted according to their credit value. Pass or fail modules are excluded from the weighting.

### **How do students pass the Master degree?**

To be awarded the Master degree, students must acquire the total number of credits, with a pass mark (10/20) for each course module.

Professional experience must amount to at least 16 weeks.

## COURSE STRUCTURE:



- Candidates with previous 180 ECTS degree or equivalent (3-year bachelor's degrees) start in S1
- Candidates with previous 240 ECTS degree minimum (4-year bachelor's or master's degrees) join for S2

### Master Thesis

- Research paper or Case study
- Defence (rules: 45 min - 1 hour)
- 17 ECTS

### Internship

- At least 4 months
- 10 ECTS
- Pass or fail
- Assessment form filled by the company + self-assessment of the student

### Curriculum

Term and Campus	Module name	N. of hours	ECTS credits
Term 2 - London (October - December)	Energy Policy	30	3
	Energy Risk Management	30	4
	Sustainability and Energy	30	4
	Principles of Finance	30	4
	Renewable Energy	30	4
	Gas and LNG Markets	15	2
		165	21
Term 3 - London (January-March)	Corporate and Business Strategy	30	4
	Energy Trading	15	2
	Energy Economics	30	4
	Project Financing and Evaluation	30	4
	Energy Markets and other Commodities	30	4
		135	18
Term 4 - Paris (April - June)			
	Entrepreneurship and Innovation	30	3
	Electricity Markets	15	2
	Geopolitics	15	2
	Scenario Planning for the Energy Industry	15	1

	Portfolio Management (Specialisation Track in Finance & Investments)*	15	2
	Asset Management (Specialisation Track in Finance & Investments)*	15	2
	Operational Risk & Crisis Management (Specialisation Track in Project Management & Consultancy)*	15	2
	Leading and Transforming Energy Companies (Specialisation Track in Project Management & Consultancy)*	15	2
	Digitalisation and Energy Transition	15	1
	Company Consultancy Project	30	4
	Sustainability Management (DEAMIE)	30	4
	Research Seminar (DEAMIE)	15	3
		195	24
	Work Placement		10
	Master Thesis		17
		495	90
*Students have to choose one out of two specialisation tracks.			

### WHAT KIND OF CAREER MIGHT I GO ON TO?

Job Survey conducted among graduates from the MSc in Energy Management Class of 2022.

- 93% were employed within 6 months of graduation
- 87% changed job function after graduation

Graduates join various industries and have executive positions throughout the world. Directly after graduation, the main industries chosen and obtained are:

#### SECTORS

**50%** Energy

**27%** Banking & Finance

**13%** Consulting

**7%** Manufacturing

**3%** Other

#### Top recruiters include:

Accenture – Amundi – Baker Hughes – Baringa – Bloomberg – BNP Paribas – Canadian Solar – Chainalysis – E.ON – EDF – Engie – Eni – Entrix – GreenSolver – Mirova – Natixis – PwC – SACE – SSE – TotalEnergies

Our Careers Service team is available on campus to provide guidance and information on careers, as well as work experience via placements and internships during and after your programme.

## HOW DO I ENTER THE MSc in ENERGY MANAGEMENT?

### REQUIREMENTS

- Bachelor degree or Masters in any discipline (minimum 180 ECTS). Candidates with less than 240 ECTS\* or equivalent (less than 4 years of full-time study at a higher-education level) will be required to attend an additional online semester from July to September.
- A minimum of 12 months of work experience (including internships), preferably in areas related to energy, business or management
- Two references (ideally one academic, one professional)
- Motivation letter
- English level: TOEFL IBT: 100; TOEFL written: 600; TOEFL computer based: 250; IELTS Academic: 7; TOEIC: 800; Cambridge English C1/C2 (CAE/CPE): 185
- Exemptions may be granted if you have studied fully in English for three or more years
- Candidates who choose to enter the specialisation on the UK Graduate Immigration Route will be required to take a SELT-approved English proficiency test (e.g. IELTS for UKVI, PTE Academic UKVI, etc.)

*\*Due to accreditation regulations, students starting with less than 240 ECTS will need to obtain an additional 30 ECTS at ESCP business school. The School will offer an additional semester for those students, with a supplement fee of £2,650. Candidates may obtain exemption from attending this semester if they have more than three years of post-study work experience.*

### PROCEDURE

#### STEP 1: APPLICATION FORM

- Applications are treated on a first-come, first-served basis.
- As places on the course are limited, we therefore advise you to submit your application as early as possible.
- Applications are made online. The following supporting documents must be submitted with your online application:
  - A copy of your previous transcripts from all degrees to date\*
  - Curriculum vitae
  - Photocopy of your passport
  - Language test certificates (if applicable)
  - Two reference letters

\*We will only accept original documents in ESCP campus languages (English, French, Italian, Spanish, German or Polish).

#### STEP 2: ADMISSION INTERVIEW

If your application has been successful, you will be invited to attend the second stage of the process, the admissions interview. During this, candidates must convince the selection committee of their abilities and motivation.

Admission tests and interviews will operate with rolling deadlines between November and August for the September intake.

Results will be posted to candidates within approximately three weeks.



**STEP 3: CONFIRMATION**

Applicants who are offered a place must confirm their acceptance in writing by the deadline indicated in the offer letter. A non-refundable deposit is required to secure a place on the specialisation once admission has been granted. This first deposit is deductible from the first instalment of the overall tuition fees.