

**MSc Energy  
Engineering  
Management**

2024





“This bold new programme will produce future leaders who are as comfortable talking about technology as they are about strategy. This blend of expertise will be hugely valuable in the future energy industry, with the skills gained during the programme helping to accelerate the transition to a net zero world.”

**Professor Grant Ingram**

Programme Director,  
Department of Engineering

## MSc Energy Engineering Management



“Our cutting-edge MSc Energy Engineering Management programme equips students with the essential blend of technical and strategic knowledge required to actively pursue net-zero goals and effectively address the global challenges presented by climate change.”

**Dr Yanlu Zhao**

Programme Director,  
Durham University Business School

## Contents

- 
- 04.** Why Durham?
  - 05.** MSc Energy Engineering Management
  - 06.** Your programme
  - 08.** Meet the academics
  - 09.** Adding to your experience
  - 10.** Your career
  - 12.** Supporting your studies
  - 14.** Durham City
  - 15.** Your next steps

## Why Durham?

Our MSc Energy Engineering Management is an exciting new programme, taught full-time over one year in Durham. It is a collaboration between Durham University Business School and the Department of Engineering, in partnership with the Durham Energy Institute.

The **Business School** is one of the longest established schools in the UK, consistently highly ranked in a wide range of prestigious global league tables and one of an elite group of schools worldwide to carry three internationally recognised quality assurances – AACSB, AMBA and EQUIS – a testament to the calibre of the School and an endorsement of the exceptional quality of our programmes.

Learn more at [durham.ac.uk/business](https://durham.ac.uk/business)

The **Department of Engineering** is recognised as one of the leading centres of research in Engineering in the world. The results from the REF2021 show that 95% of our outputs (papers) were graded as 3\* or 4\*. With this rich research background, coupled with our links to significant industry partners, we provide the perfect environment to begin your journey.

Learn more at [durham.ac.uk/engineering](https://durham.ac.uk/engineering)

**Durham Energy Institute** produces world-class research for understanding energy decarbonisation and delivers integrated solutions for the climate emergency, incorporating social, policy and technical insights. Our research is rooted in strong partnerships with industry and policy organisations across the globe.

Learn more at [durham.ac.uk/dei](https://durham.ac.uk/dei)

### World Top 100 University

QS World University Rankings 2024

### Triple accredited Business School



### UK Top 5 Engineering

Complete University Guide 2024

### UK Top Ten University

Complete University Guide 2024

### 66th in Europe

Financial Times European Business School Ranking 2022

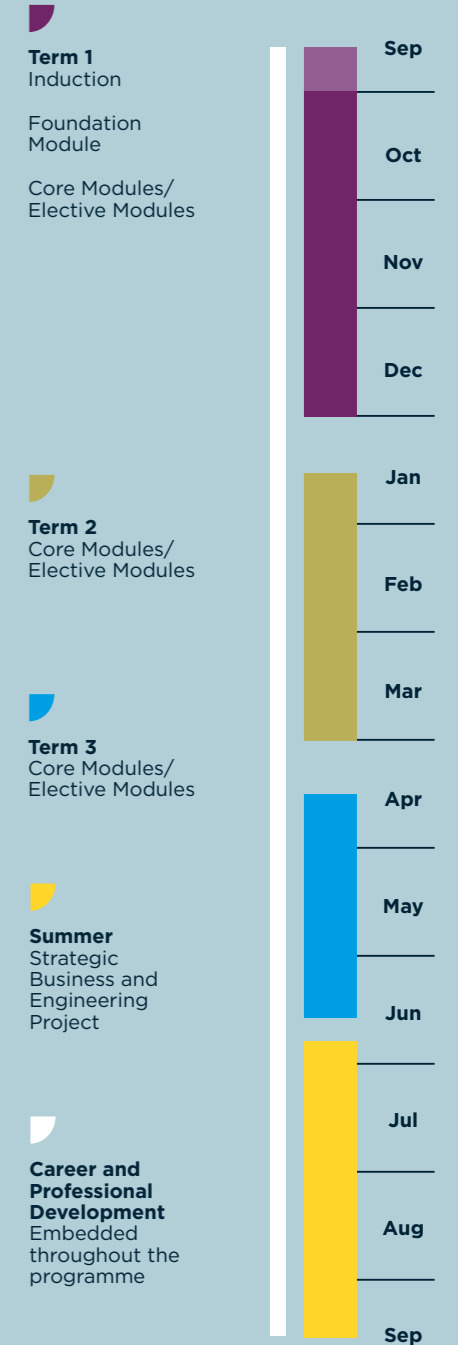
## MSc Energy Engineering Management

### Equipping you with the skills to accelerate the transition to a Net Zero world

#### About the programme

As the world moves towards Net Zero, our new MSc Energy Engineering Management programme addresses the need for future business leaders to understand and support the economic and environmental transformations required to support this goal.

Our programme is designed to enable students with a background in engineering or a related subject to become leaders in this field. It will equip you with both the technological and strategic skills required for the transition to a zero-carbon future. With this blend of expertise, hugely valuable in the future energy industry, our programme will enable you to access a variety of roles across the sector.



## Your programme

### Be immersed in both business management and the underpinning technologies of energy conversion.



“My experience at Durham has been phenomenal. As a person who loves nature’s calmness and serene landscapes, it is a perfect fit. In terms of the programme, the content covers the fundamental subjects but has also helped me to develop the analytical and practical skills demanded by employers in the real world. The calendar of University and College events has helped me as an international student to be part of a cohesive environment and make friends.”

#### Krish Kinra

MSc Management 2022/2023



## Programme structure

The programme will provide you with the opportunity to develop both your career and your professional skill base.

The programme features specifically designed core modules covering a range of relevant business and engineering subjects, from elementary issues, to advanced contemporary responses, to Net Zero challenges. A range of optional modules underpinning the core content will enable you to focus on your area of interest. You will then undertake a Strategic Business and Engineering Project.

## At a glance

### Core Modules

#### You will study the following:

- Business and Engineering Systems
- Decarbonisation of Heating and Cooling 4
- Future Vehicles 4
- Renewable Energy Technologies 4
- Environmental and Climate Economics
- New Venture Creation

### Elective Modules

#### You will then choose one or more optional modules from a range to a minimum value of 30 credits:

- Artificial Intelligence and Deep Learning
- Society, Energy, Environment and Resilience
- Context and Challenges in Energy and Society
- Optimisation 4
- Environmental Engineering 4

### Summer Term Strategic Business and Engineering Project

**Career & Professional Development** (embedded throughout programme)

## The Strategic Business and Engineering Project

The Strategic Business and Engineering Project is a major piece of independent work involving an in-depth investigation of an energy technology or issue.

### Long-term, real-world impact

Each year the project will be supported by industrial professionals who will provide important context for the work you will do.

This is a unique opportunity for you to undertake an industry-focused, academically supervised practical piece of work of your own design. It will be rigorously vetted and overseen by a University supervisor, and monitored by an industry partner. Ultimately, the Strategic Business and Engineering Project is designed to equip you with a live case study for your portfolio, as well as being of practical assistance to the client company, in solving a real-world energy engineering management problem.

For detailed module information on this programme visit [durham.ac.uk/business/meem](https://durham.ac.uk/business/meem)

## Meet the academics

### Our faculty

When you join Durham University you will have access to world-leading academics. Their global experience, outstanding research insight and industry connections keep us at the leading edge.

Find out more about our faculty by visiting [durham.ac.uk/staff](https://durham.ac.uk/staff)



“After working in the solar photovoltaic industry in Nepal, I began studying in Durham. After returning to Nepal, I established my renewable energy consulting company and I’ve been able to diversify my breadth of services on various renewable energy technologies. I cherish my time in Durham – a beautiful historic city with a story to tell in every street and alley – and the scenic walk by the River Wear with the view of the towering Durham Cathedral.”

### Kushal Gautum

MSc Renewable Energy graduate



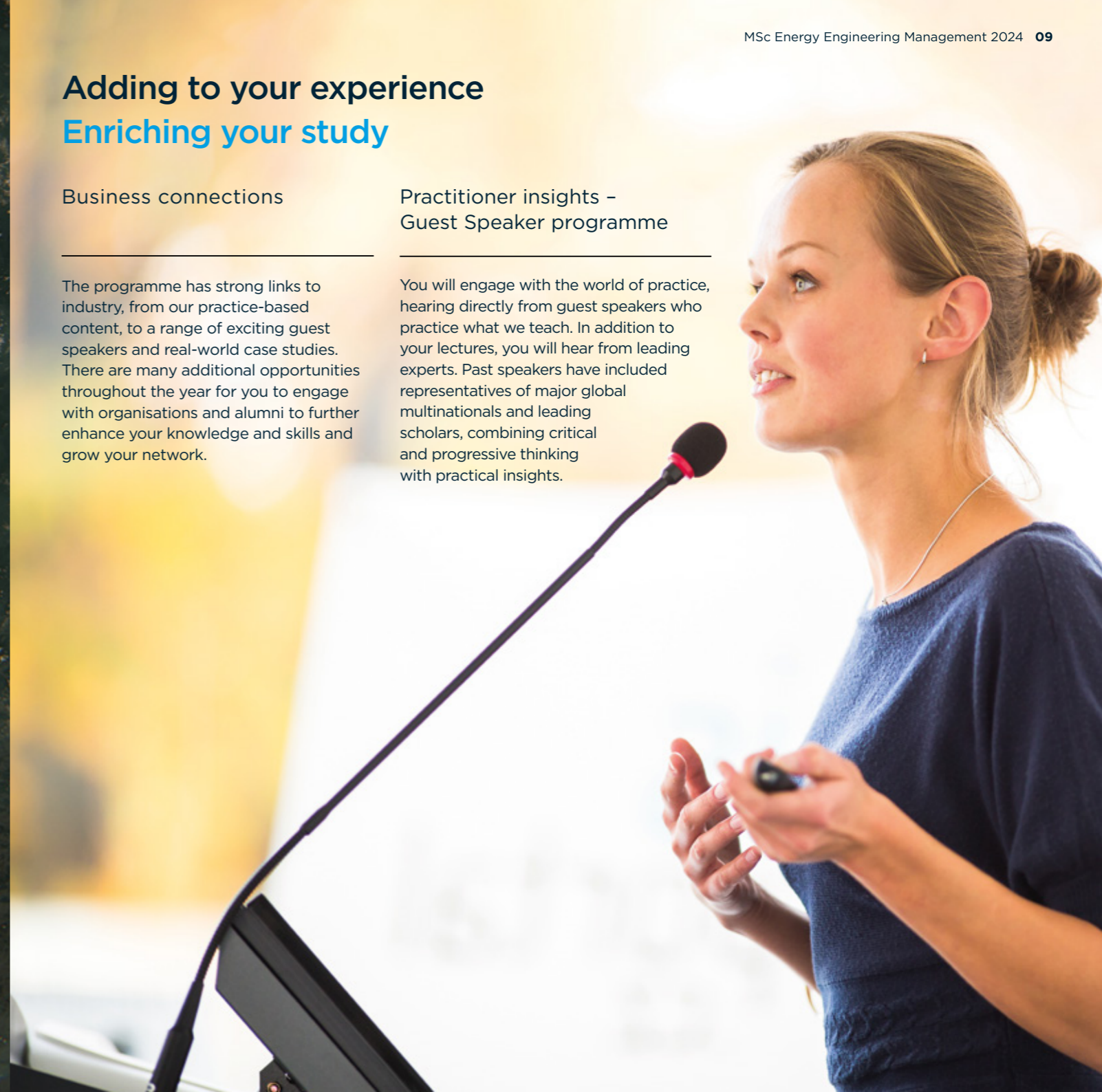
## Adding to your experience Enriching your study

### Business connections

The programme has strong links to industry, from our practice-based content, to a range of exciting guest speakers and real-world case studies. There are many additional opportunities throughout the year for you to engage with organisations and alumni to further enhance your knowledge and skills and grow your network.

### Practitioner insights – Guest Speaker programme

You will engage with the world of practice, hearing directly from guest speakers who practice what we teach. In addition to your lectures, you will hear from leading experts. Past speakers have included representatives of major global multinationals and leading scholars, combining critical and progressive thinking with practical insights.



## Your career Enhance your prospects...

...begin your career with us

Our graduates enjoy an excellent employment record. Whether you want to work for an organisation, for yourself, or go on to further study, our career development support and guidance offers you the opportunity to build your employability skills.

### 96%

of Business School Masters students seeking employment accepted a job offer within 3 months of completing the programme.

*Graduate Destination Survey  
(3 year average 2021-2023)*

### 4th in the UK

95% of engineering students found graduate-level employment within 15 months of graduating

*The Guardian  
University Guide 2024*

Our Masters programmes connect you with leading companies from across the globe



## International, Engagement & Careers

### The programme

Our International, Engagement & Careers Team offer a wide range of opportunities to help you develop the skills necessary to build a successful future career.

With its own dedicated postgraduate careers team we offer a full range of careers services, which are internationally-focused and reflective of the global locations in which our students want to work. Created to complement the events, workshops and fairs organised by the University's Careers and Enterprise Centre,

our International, Engagement & Careers team will support you through your programme and beyond.

You will be given information about the International, Engagement & Careers programme during your first few weeks at Durham, including access to the Business School's online Career Development Portal. Our service is designed to give you the opportunity to:

- Develop the essential skills demanded by international recruiters through interactive workshops.
- Network with businesses and engage with international recruiters in a range of activities, presentations and events.
- Access a huge range of resources, international jobs board, video library and career webinar series.

### A flavour of what to expect

#### Individual career appointments

Appointments with our Career Consultants give you the opportunity to develop your CV, improve your job search strategy and prepare for interviews. The team can also offer practice interviews and assessment exercises to help you with your preparation.

#### Connecting with business

There are many opportunities throughout the year to engage with organisations and alumni to further enhance your knowledge and skills, through meeting with a range of recruiters via workshops, presentations and fairs. Working in partnership with the University's Careers and Enterprise Centre, you can engage with some of the UK's leading employers as well as international employers using video conferencing technology in the Business School.

### Support

#### Support for International Students

We recognise that many of our students will progress their careers outside of the UK once they finish their studies, and our career development programme is designed with this in mind. We offer events focused on career opportunities in China and are continually developing relationships with international recruiters.

If you're an international student interested in working in the UK after your studies, the University's Careers team works closely with the University's Student Immigration and Financial Support Office to provide you with information related to immigration.



## Supporting your studies

### Resourcing your time at Durham

From accommodation for today, to global networks for tomorrow

At Durham you will benefit from all the resources you'd expect from a leading university.

From the latest IT and library services to a virtual learning environment, you'll have everything to hand to make the most of your learning.

## Our colleges

All full-time postgraduate students become a member of one of our colleges. As well as offering a wide range of societies, social and cultural activities, the colleges provide support and a sense of belonging during your time in Durham, adding to your overall experience and helping you graduate with much more than just a degree.

For more information, visit [durham.ac.uk/colleges](https://durham.ac.uk/colleges)

## Accommodation

We offer good quality, reasonably priced accommodation at Durham University. If this is not for you, we can help you find local private accommodation to suit your needs. We will provide you with more specific details on application.

In the meantime, visit [durham.ac.uk/colleges](https://durham.ac.uk/colleges)

## Sports facilities

Sport is an important part of Durham life and our facilities are second to none. From our British Rowing Performance Centre to the British Fencing Centre, and boasting teams which compete in the England Hockey National leagues and the FA Women's Super League, we can offer something for everyone.

For more information, visit [durham.ac.uk/teamdurham](https://durham.ac.uk/teamdurham)

## Global alumni network

When you join us, you become a member of the University's alumni network. With over 128,000 members across the globe, it facilitates friendships and business connections, and sits at the heart of the 'Durham Experience'.

Our alumni community enjoy online career resources and global career and network-building events. You can find out more at [dunelm.org.uk](https://dunelm.org.uk)



## Durham City

### A great place to live

In Durham City you're among some of the world's finest architecture where the famous Castle and Cathedral - together designated a UNESCO World Heritage Site - dominate the skyline.

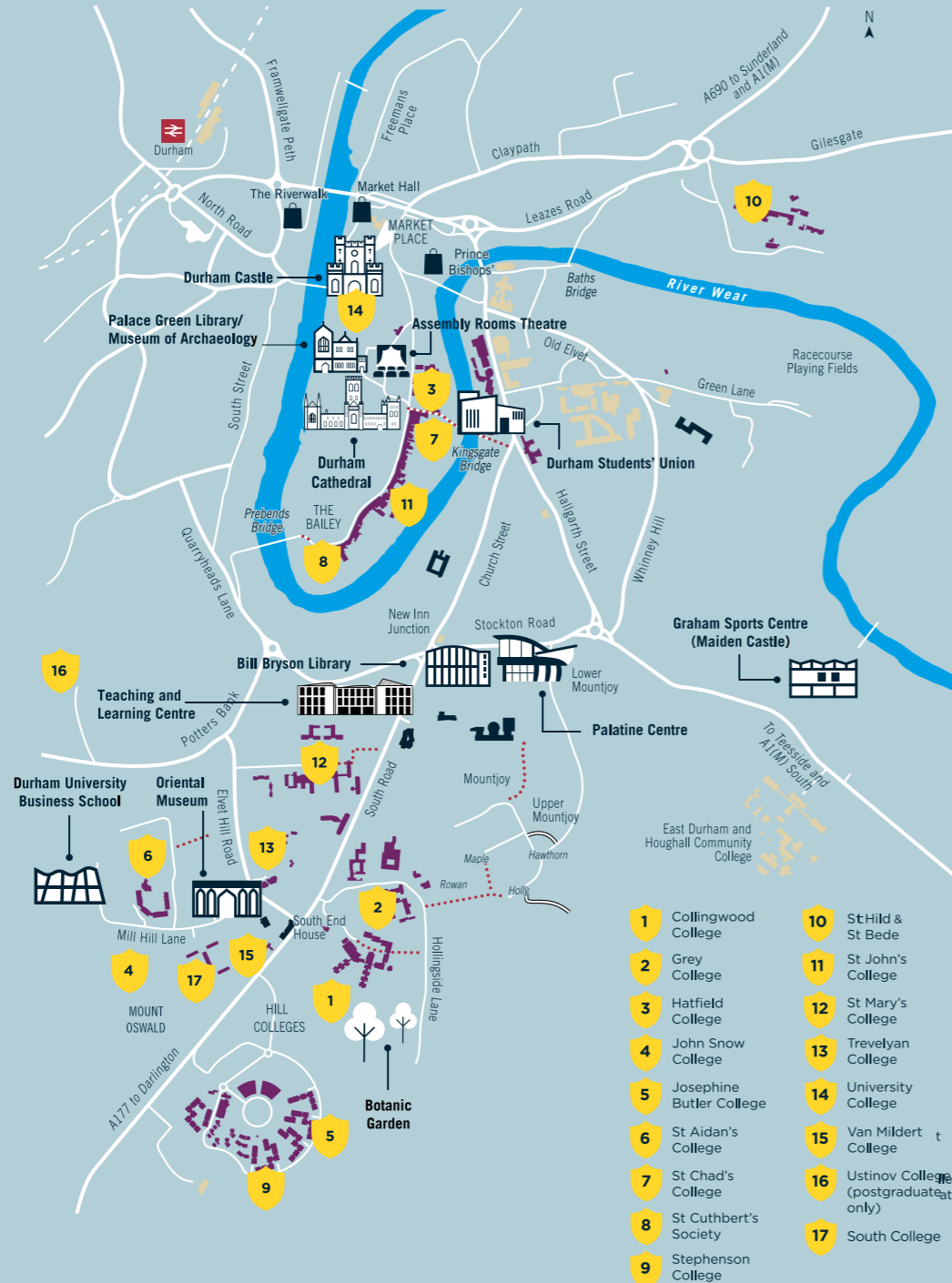
Durham has a compact, friendly feel, while providing the facilities you would expect of a thriving city including: excellent boutiques, cafés, bars and restaurants. You will enjoy a fantastic student lifestyle, in lively surroundings with a superb choice of events and entertainment.

Further afield you can explore the breath-taking scenery of our countryside and coastline, or visit a wide range of local attractions, festivals and events which cater for every taste.

### Explore

We appreciate not everyone can visit us physically prior to applying or joining, so take a look around the campus with our virtual tours:

- Business School [durham.ac.uk/business/about](https://durham.ac.uk/business/about)
- Department of Engineering [durham.ac.uk/departments/academic/engineering/postgraduate-study](https://durham.ac.uk/departments/academic/engineering/postgraduate-study)
- Durham University [durham.ac.uk/visit-us/open-days/self-guided-tours](https://durham.ac.uk/visit-us/open-days/self-guided-tours)



## Your next steps

Learn more, or make an application

### Meet us

There are several opportunities to meet us. You can chat with us at one of the international recruitment fairs we attend throughout the year, or sign up to an online information session, both are great ways to find out more about studying in Durham.

For more information on upcoming events visit [durham.ac.uk/business/meet-us](https://durham.ac.uk/business/meet-us)

### Entry requirements

The MSc Energy Engineering Management programme is designed for graduates from an engineering or relevant background. You will need a UK first or upper second-class honours degree or equivalent in engineering or a relevant related subject.

### Language requirements

If your first language is not English, you will need to provide evidence of competence in written and spoken English:

- minimum IELTS score is 7.0 overall with no element under 6.0 or equivalent
- minimum TOEFL requirement is 102 IBT with no element under 23
- Pearson PTE Academic Test, total score 68 with no less than 59 in each communicative skill.

For all English language test requirements, visit [durham.ac.uk/study/international/entry-requirements/english-language-requirements](https://durham.ac.uk/study/international/entry-requirements/english-language-requirements)

If your scores fall slightly short, or if you would like to advance your English skills, you may be able to attend a pre-sessional English language course. To learn more, visit [durham.ac.uk/dc/ad/study/preessional](https://durham.ac.uk/dc/ad/study/preessional)

### How to apply

We strongly advise you to apply as soon as possible, particularly if you need university accommodation.

Learn more about our application process and apply online at: [durham.ac.uk/business/meem](https://durham.ac.uk/business/meem)

### Fees and finance

For current fees, please visit [durham.ac.uk/business/meem](https://durham.ac.uk/business/meem)

Scholarship funding may be available. For more information, visit [durham.ac.uk/business/masters/scholarships](https://durham.ac.uk/business/masters/scholarships)





## Learn more

[durham.ac.uk/business/meem](https://durham.ac.uk/business/meem)

## Enquiries

[durham.ac.uk/study/askus](https://durham.ac.uk/study/askus)



Durham University  
Business School  
Durham University  
Department of  
Engineering  
Durham Energy  
Institute



@DUBusSchool  
@Durham\_Eng  
@DEI\_durham



Durham University  
Business School  
Durham University  
Department of  
Engineering  
Durham Energy  
Institute



@dubusschool  
@duengineering

This University publication is intended as a general guide to the University of Durham's courses and facilities and forms no part of any contract between you and the University except as provided below. The publication is prepared in advance of the academic year to which they relate. The University makes every effort to ensure that the information contained here is accurate. Although reasonable steps are taken by the University to provide the courses and services described, the University cannot guarantee the provision of any course or facility. Any course may be altered or withdrawn owing to circumstances beyond the University of Durham's reasonable control. Such circumstances include (but are not limited to) industrial action, lack of demand, departure of key personnel, change in Government policy, withdrawal or reduction of funding, change of Law. The University will take such steps as are available to it to minimise the effect of any alteration or withdrawal of a course. Such steps may include the offer of a place on an alternative course. Please note that the University's website is the most up to date source of information regarding courses and facilities and we strongly recommend that you always visit the website before making any commitments. Durham University and Durham University logo are registered Trade Marks of the University of Durham. Unless otherwise stated, all material in this publication is copyright of the University of Durham. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, or by any means, electronic, mechanical, photocopying, recording or otherwise, without the permission of the University. Copyright © Durham University 2023. All rights reserved.