



MANCHESTER
1824

The University of Manchester

Chemical Engineering Information Pack



The Birth Place of Chemical Engineering

All of our Chemical Engineering courses are common in the first year so you can choose to switch between the courses at the end of first year, grades permitting.

Course Details:

Chemical Engineering BEng 3Yrs
- UCAS Code H800

Chemical Engineering MEng 4Yrs
- UCAS Code H801

Chemical Engineering with Industrial Experience MEng 4 Yrs – UCAS Code H803

Chemical Engineering (Energy and Environment) MEng 4Yrs
- UCAS Code H8F4

Chemical Engineering with Study in Europe MEng 4Yrs
- UCAS Code H810

ChemEng Society

The Chemical Engineering Society (Chem Eng Soc) is a student run and elected body that organises various events with industry and the Department. The Society organises a wide range of social events from skiing to pub golf.

As a student in CEAS, you will become part of a large Department, so if the work doesn't keep you busy, the Chem Eng Soc certainly will! The events organised by the Chem Eng Soc bring students from each year together from the very start of term and help you to integrate within the Department. In no time at all you will have a network of contacts and friends through the Department, to work, play sport or socialise with. There are many opportunities for students to get involved in the Society Committee. Each year a new committee is elected by the entire Department. Positions include, Industry, Ball, Sports and Social Reps.

The Chem Eng Soc has a busy social calendar usually starting with the Freshers curry on the legendary 'Curry Mile'. This is a good opportunity to meet other members of the year whilst having a great time! There are plenty of opportunities to get involved in the Society as it runs many social events throughout the year. These are often informally sponsored by industry giving you the chance to have fun, for less, and have previously included.

- Bowling
- Halloween Party
- Christmas Party
- Pub Quiz
- Skiing/Snowboarding @ ChillFactor
- Alton Towers trip
- Pub Golf
- Networking dinners

The climax of the social calendar is the prestigious End of Year Ball - which many companies sponsor and attend. Previous locations have included, Manchester Town Hall, Old Trafford Stadium, Museum Of Science and Industry and The 5* Radisson Hotel.

The Society also arranges visits to industry to give students a taste of what Chemical Engineering can involve after you graduate. Manchester students are rated very highly in industry, and the Chem Eng Soc aims to provide as many links as possible with a wide range of companies. This enables students to build up an extensive network of contacts and find out more about working in various industries. Here is a small selection of the many industrial contacts that enable the Society to give members the opportunity to experience future career prospects:

- [Shell V-power Day](#) – Involves working with F1 racing cars in the pit stop challenge.
- [Proctor and Gamble](#) – Visit to the Manchester Plant.
- [Sabic](#) – A world leading petrochemical company making plastics and fertilizer.
- [Cadbury](#) – A trip to the Bournville site!
- [Cargill](#) – A visit to their Manchester site including a careers workshop.
- [Conoco Phillips](#) – Tour of their Humber refinery

The Society sports teams within the department are a great chance to take a break from work and a brilliant way to meet people from other years, existing teams are football, hockey, rugby, basketball and netball teams. The teams play weekly in a casual University league against other university teams.

The Society has a large presence at the annual Frank Morton Sports Day which always involves fierce competition between Chemical Engineering departments from across the country!

The Chemical Engineering Society hopes to welcome you to Manchester and to show you the wonders of this great student city!

Why take up a position in the society:



I think an important reason why people take up positions in the society is to do with exposure. Learning how to manage people, manage financial information and setting tasks and deadlines are all a part of the working world. Getting this much exposure this early in your career can prove to be quite a step forward when you apply for jobs. Obviously the good industrial links and experience are also plus points!

I feel the level of teamwork and initiative help build stronger networks and links. These are all important skills which are crucial in the working world and are often questioned during interviews etc.



Rahul Prasher, Chem Eng Soc President

Accommodation



Accommodation Guarantee

We pride ourselves on offering a guarantee to new students applying for accommodation at The University of Manchester, as well as to International students for the duration of their time studying here.

The University of Manchester guarantees a place in university accommodation to:

All new full time undergraduate students who:

- are coming to the university alone;
- are applying for a full academic session, i.e. September to June;
- are studying for their first degree;
- have submitted an application for accommodation by 31 August;
- have met all the conditions of their offer by 31 August.

This applies even if you live locally.

Types and costs

The accommodation available ranges from modern, self-catering flats, right through to traditional collegiate-style Halls of Residence. Your Hall is the place where you'll meet new friends and spend a lot of your free time.

Our accommodation is split across three residential campuses, each with their own very individual characteristics. These are:

- City Campus
- Victoria Park
- Fallowfield Campus

We offer a range of different types of accommodation. The type you need will depend on the facilities you require, and how much you want to spend. All rooms are single occupancy so you won't need to share with another student.

Study bedroom

A room with study bedroom furniture typically includes the following: Bed; Bedside table; Wardrobe; Desk; Chair.

Study bedroom with washbasin

These rooms also include a washbasin in addition to the standard furniture.

En suite study bedroom

In addition to the standard furniture these rooms include your own private shower, toilet and washbasin.

Halls of Residence can be laid out in self-contained flats, or corridor-style living, and you can select whether you want catered or self-catered accommodation.

Costs of accommodation will depend very much on the type, location and facilities that you select. These prices are examples only (based on 2019/2020 fees):

Whitworth Park - Standard bedroom, shared bathroom, self catered hall, **from £108 per week.**

Hulme Hall - Standard bedroom, shared bathroom, catered hall, **from £156 per week.**

Richmond Park - En suite bedroom, self-catered hall, **from £145 per week.**

Pastoral Care

All the residences have an experienced team of residential Tutors living in-house. As either postgraduate students or members of staff at the university they provide an important source of guidance and support for students who in the majority of cases are living away from home for the first time.

As well as this, each hall has a Warden, and in some larger halls a Deputy Warden or Senior Tutor who will assist the Tutors with more complicated matters, as well as any disciplinary issues that may arise - though we hope these will be rare!

Viewing Accommodation

If you would like to see any of our halls of residence, you can contact them directly. All information is available on www.accommodation.manchester.ac.uk. Alternatively you can book on to an Accommodation Tour by visiting <https://www.manchester.ac.uk/study/undergraduate/open-days-visits/meet-us/university-accommodation-tours/>

How to Apply for Accommodation

The application process is done completely online at

<http://www.accommodation.manchester.ac.uk/>

You can apply for accommodation from mid - December once you have received an offer to study, you do not have to wait until you have an unconditional offer to apply, although you will not be offered a room until you have become unconditional with the University.

Example of First Year Undergraduate Course Timetable

	Monday	Tuesday	Wednesday	Thursday	Friday
09.00am - 09.50am		Engineering Chemistry Renold Building, C16	Laboratory Projects 1 James Chadwick Building, Labs.	Laboratory Projects 1 James Chadwick Building, Labs	Chemical Engineering Design 1 Renold Building, C9
10.00am - 10.50am		Engineering Chemistry Renold Building, C16	Laboratory Projects 1 James Chadwick Building, Labs.	Laboratory Projects 1 James Chadwick Building, Labs	Chemical Engineering Design 1 James Chadwick Building, EBL Suite
11.00am - 11.50am	PASS (Years 1, 2 & 3) James Chadwick Building, EBL Suite		Laboratory Projects 1 James Chadwick Building, Labs	Laboratory Projects 1 James Chadwick Building, Labs	Chemical Engineering Design 1 James Chadwick Building, EBL Suite
12.00pm - 12.50pm					
1.00pm - 1.50pm	Engineering Maths James Chadwick Building, EBL Suite	Transport Phenomena 1 James Chadwick Building, EBL Suite		Transport Phenomena 1 Renold Building, C2	Engineering Maths 1 Renold Building, C2
2.00pm - 2.50pm		Enquiry Based Learning James Chadwick Building, EBL Suite		Transport Phenomena 1 Renold Building, C2	
3.00pm - 3.50pm	Engineering Computation Simon Building Cluster	Engineering Chemistry Enquiry Based Learning James Chadwick Building, EBL Suite			
4.00pm - 4.50pm	Engineering Computation Simon Building Cluster				Engineering Maths 1 Renold Building, C2

What is the PASS Scheme?

PASS (Peer Assisted Study Sessions) is a scheme which provides pastoral and academic support to all first year Chemical Engineering students. As the name suggests, it is run by other students with the full backing of the Department and has a dedicated academic staff co-ordinator.

Each first year student is assigned to a group of approximately 10 students, with each group having 2 PASS Leaders. PASS Leaders are second year students who have volunteered to be involved. They have undergone training in effective learning and studying strategies and they are there to share their experience with you. PASS leaders will facilitate and encourage; they won't lecture or give answers. They will just ask the right questions to ensure the group discovers a solution together.

So what are PASS sessions all about?

The PASS sessions are informal, flexible and interactive. The aim of the sessions is to give you the opportunity to discuss your understanding of subjects and share ideas, enabling you to find answers to problems amongst yourselves. The sessions are discussion based, in which you can benefit from the experience of the leaders and also from talking to others in the same position. The sessions are also designed to help you adjust to university life, providing advice on things such as note taking, revision and exam techniques, as well as general advice on Manchester's social scene, or any other university or non university matters that may arise during your first year.



Student Testimonials

BEng (Hons) Chemical Engineering



Studying the BEng Chemical Engineering Course at The University of Manchester has been most enriching and enjoyable. The skills and experience gained from the course have formed a solid foundation to my future career. I really enjoyed the problem-based learning aspect of the course as it provided me with many opportunities to solve complex engineering problems individually and as a team. I also benefited from the PASS (Peer Assisted Study Sessions) programme both as a participant and as a leader. The teaching and supporting staff were always very supportive, approachable and willing to help.

Well known and internationally recognised, the Department of Chemical Engineering and Analytical Science has excellent links with industry. I was privileged to have an internship with Foster Wheeler during my second year summer holidays. The practical experience and exposure has proved to be invaluable. Manchester is no doubt an excellent city in which to live, having all the buzz and jazz of a city and yet it enchants with its warmth and charm. With its vibrant and diverse student population, there are huge opportunities to network and to forge friendships with students from different cultures and backgrounds. I have made friends from all over the world!

Ei Sheen Lau



MEng (Hons) Chemical Engineering (Energy and Environment)



As Chemical Engineers, we have a real opportunity to make a difference across industries and work towards overcoming these environmental challenges. I chose to study Chemical Engineering with Environmental Technology to gain the knowledge and insight so I could do just this.

The course consisted of various modules which explored many different aspects of environmental technologies, such as green solvents, law and regulations, aerial emissions and aqueous systems. The Modules explored the history, philosophy and application of each technology which provided me with excellent background knowledge; I also learnt new skills such as dispersion modelling and life cycle assessments and had the opportunity to really engage specialists during group discussions. One of the most amazing aspects of the course is how incredibly relevant I still find it.

Thanks to the knowledge I acquired and the skills I developed I was successful in applying for a job with an environmental engineering consultancy.



Robert Swales





MEng (Hons) Chemical Engineering



I recently graduated from The University of Manchester with a 1st Class MEng Chemical Engineering degree. The experience and skills I gained during the four years, allowed me to achieve great results and obtain an excellent graduate job.

Following the MEng course allowed me to focus on academic work during the university year and manufacturing internships in the summer holidays. This way I obtained relevant industrial experience without sacrificing the extra technical detail (and fun!) obtained from four years of full-time study. It also allowed me to undertake an individual research project in my fourth year rather than write a dissertation based on industrial placement. This project provided me with the skills to conduct independent research and manage my time effectively.

I currently work as a Supply Leader at Proctor & Gamble (The world's largest consumer goods company that owns brands such as Pringles, Pantene, Bold, Duracell and Gillette). Although I do not regularly use the extensive technical knowledge I gained during my degree as other

graduate process engineers might, I apply many other skills developed whilst studying the MEng Course. For example, the ability to understand a problem, locate the root cause and develop a solution is intergral to every graduate job and is developed and reinforced throughout the four year degree.

The ability to lead and work in a team of people with different styles of thinking from very different backgrounds is very important in multinational corporations. The 2nd and 3rd year design and laboratory projects and 4th year group work undertaken on the MEng course helped me to develop this ability and apply it successfully to the work place.

I would thoroughly recommend the 4year MEng. The wide range of experiences allows each student to determine what they enjoy, are good at and want to pursue as a career.



Alexandra Matten

Finance

As a leading International Centre of Research and Learning, we're committed to attracting and supporting the very best students. We believe in entry based on merit, rather than on ability to pay. We invest in one of the most generous support packages in the UK. Approximately a third of all undergraduate students who apply to The University of Manchester, will receive a cash bursary.

Please see below relevant contact details for UK Finance agencies:

Student Finance England
PO Box 210
Darlington DL1 9HJ
Tel 0300 100 0607
www.gov.uk/student-finance

Student Finance Northern Ireland
Tel 0300 100 0077
www.studentfinanceneni.co.uk

Student Finance Wales
PO Box 211
Llandudno Junction LL30 9FU
Tel 0300 200 4050
www.studentfinancewales.co.uk

Student Awards Agency for Scotland (SAAS)
The Student Awards Agency for Scotland
Gyleview House
3 Redheughs Rigg
Edinburgh EH12 9HH
0300 555 0505
www.saas.gov.uk

Careers

www.careers.manchester.ac.uk/

Accommodation

www.accommodation.manchester.ac.uk/

Sport

www.sport.manchester.ac.uk/

Welcome to SPORT Manchester! Playing sport and being active is a big part of student life at The University of Manchester and getting involved can really add to your university experience.

Whatever your motivation, playing sport is the perfect opportunity to form lasting friendships, develop skills valued by employers, take a break from studying and most importantly stay fit and healthy!

You won't believe the range of sports and activities we offer and you can choose to take part competitively or socially – it is up to you! Many of the programmes are open to all levels of ability whether you're a complete beginner or a budding Olympian.

We also have an impressive track record (ranked 8th 2011-12 in the British Universities and Colleges Sports league where more than 40 university sports clubs compete against other universities in the UK).

International qualifications and advice

www.manchester.ac.uk/study/international/

Students union

www.manchesterstudentsunion.com/

School Scholarships

www.ceas.manchester.ac.uk/study/undergraduate/scholarships-and-sponsorships/

Athena Swan

The Department of Chemical Engineering and Analytical Science's commitment to addressing gender inequalities, to tackling the unequal representation of women in science and to improving career progression for female academics was recognised in 2012 by an Athena SWAN Silver Award.

Only 5 other Chemical Engineering Departments have received this award in its history and the school is rightly proud of this achievement.

The Athena SWAN Charter

The Athena SWAN Charter is a scheme which recognises excellence in Science, Engineering and Technology (SET) employment in higher education.

The beliefs underpinning the Charter are:

- The advancement of science, engineering and technology (SET) is fundamental to quality of life across the globe.
- It is vitally important that women are adequately represented in what has traditionally been, and is still, a male-dominated area.
- Science cannot reach its full potential unless it can benefit from the talents of the whole population, and until women and men can benefit equally from the opportunities it affords.

Any university or research institution which is committed to the advancement and promotion of the careers of women in SET in higher education and research can apply for membership.

Undergraduate of the Year Chemical Engineering student crowned Undergraduate of the Year



Award includes coveted summer internship with global energy giant

A CEAS student has won a coveted paid summer internship with global company, EDF Energy, in a national and high profile competition.

Chemical Engineering student Celine Dischamps was crowned the 'Low Carbon Undergraduate of the Year'. In addition to the internship, her prize included a visit to a nuclear power station in France and an exclusive lunch with the EDF Station Director.

Including Celine, Manchester had five finalists in the 12 award categories – deemed by organisers, graduate recruitment media company TARGETjobs, an excellent result.

Celine and nine other undergraduates, along with Tammy Goldfeld, deputy director of the Careers Service, were invited to the final in Canary Wharf where the winner was announced.

The students had faced a series of online tests, application forms, interviews and assessment exercises and Celine emerged as the winner from a very strong field of students from targeted Russell Group universities.

Her award was one of twelve presented on the day, each sponsored by a top graduate recruiter: Mars, Laing O'Rourke, E.on, EDF Energy, Enterprise Rent-A-Car, Marks & Spencer, Gazprom, Nestle, Rolls-Royce, EU Careers, CGI and Mayer Brown.

TARGETjobs Undergraduate of the Year is EDF's flagship annual competition, focusing on the personalities, skills and abilities of students from a range of degree subjects. It provides the opportunity for the very best to emerge and win prizes, ranging from overseas trips to specially commissioned internships.

Tammy Goldfeld said: "It was incredibly rewarding to see so many Manchester finalists at the event and Celine receiving her award. We hope her experience will inspire other students to enter competitions such as these and pursue summer internships."



