



Congratulations!

Welcome to Chemical Engineering

Welcome!

We are so excited for you to join us! As your future PASS Coordinators, we would like to congratulate you on being accepted onto one of the most competitive and challenging courses around, Chemical Engineering!

This guide has been designed to help answer some questions about student life and the course as you start the next chapter of your life at the University of Manchester.

There is so much to do and discover and we are sure you will love it (we've all had a great time here)!

We look forward to meeting you all in September! Look out for us!

(Jinan, Lucy, Michael & Temi)



What is PASS?

- **Small group work** with experienced 2nd year (PASS) leaders to support academic and social life.
- PASS provides **tailored sessions** throughout the year accounting for different modules, coursework deadlines, and your career needs.
- In **September**, we will hold a **welcome event** giving you a chance to meet your PASS leaders and get to know them! PASS isn't compulsory, but those who **succeed in their studies** are the ones who **attend PASS**.
- Careers might be at the back of your mind now, but these **PASS leaders** will graduate before you and can **become valuable contacts in industry!** It'll be fun, you'll meet new people (remember - everyone has a crazy story to tell!) and most of all you will receive lots of **food**
- PASS coordinators are previous leaders that run the PASS scheme, if you have any suggestions to improve the PASS experience, **let us know!**

So, without any further ado let us introduce ourselves...

PASS Coordinators



Hey there! I'm Michael, I'm a 4th year just back from my year in industry which I spent at GSK. I did 65 applications before I got my industrial placement, so you could say I'm...experienced. I run the lunches with prospective students / current students, which is always in need of volunteers (I will compensate you with the best free food around) - contact me to take your public speaking skills to the next level (employers love this).

Occasionally I lift heavy objects and put them back down again. I am passionate (although I've described many things here) about being creative and I am a keen member of the dodgeball society. My top tip for any fresher boil down to simply (and you'll see this a lot in the guide)

GET INVOLVED

Michael Rothwell-Williams

Hello! I'm Lucy, one of your four PASS coordinators for the next year. I'm originally from Cornwall, so understand that moving away from home can be quite daunting. I'm a fourth-year student and completed a year in industry so have plenty of experience with applications (need any tips you know where to come!). I'm here to answer any questions over the next year covering all aspects of university life so don't be shy. My hobbies range from piano, to photography and netball. I'm currently trying to learn Italian, so if anyone can help I'd love it. University of Manchester is an incredible city to be studying chemical engineering at, with such vibrancy of culture and wide range of things to do, you'll never be bored. Manchester quickly became my second home and I hope it does for you. Looking forward to meeting all of you in September!



Lucy Talbot (Netball Captain)



Hi everyone, my name is Jianan and I'm a third year PASS coordinator. I am originally from China, a country which is quite far from the UK. As an international student who has faced all sorts of 'challenges' associated with living and studying in a foreign country, I am really happy to share my experiences with you and give my advice. Feel free to contact me with any issues you might have! Outside of academia I enjoy travelling and volunteering. I have been to Italy, Spain and Switzerland in the past, and my goal is to visit all the countries in Europe within the next 2 years. Manchester is such a lovely city to live in; here you can get absolutely everything you might need. I hope you can enjoy this city as much as I do, and I'm really looking forward to meeting you all in September!

Jianan Yang

Hi guys, my name is Temi and I am a third year Chemical Engineering student originally from London. Coming from such a diverse and busy city, I didn't really know what to expect from Manchester. However, after living here for several years I can confidently say that Manchester is one of the friendliest and most welcoming places I've ever been.

Outside of studying, I love volunteering, either within Manchester as a STEM Ambassador or abroad, helping to rebuild communities. The University of Manchester has so much to offer from PASS to societies and student union events. If you have any questions, general or academic, please feel free to ask me and I will do my best to help. I look forward to meeting you all in September and introducing you to our PASS scheme.



Temilola Mahir

Manchester City Centre

The Arndale Shopping Centre

Piccadilly Gardens and Bus Station

Manchester Piccadilly Train Station

North Campus! Most lectures will be here.

James Chadwick Building! Open to Chemical Engineering ONLY

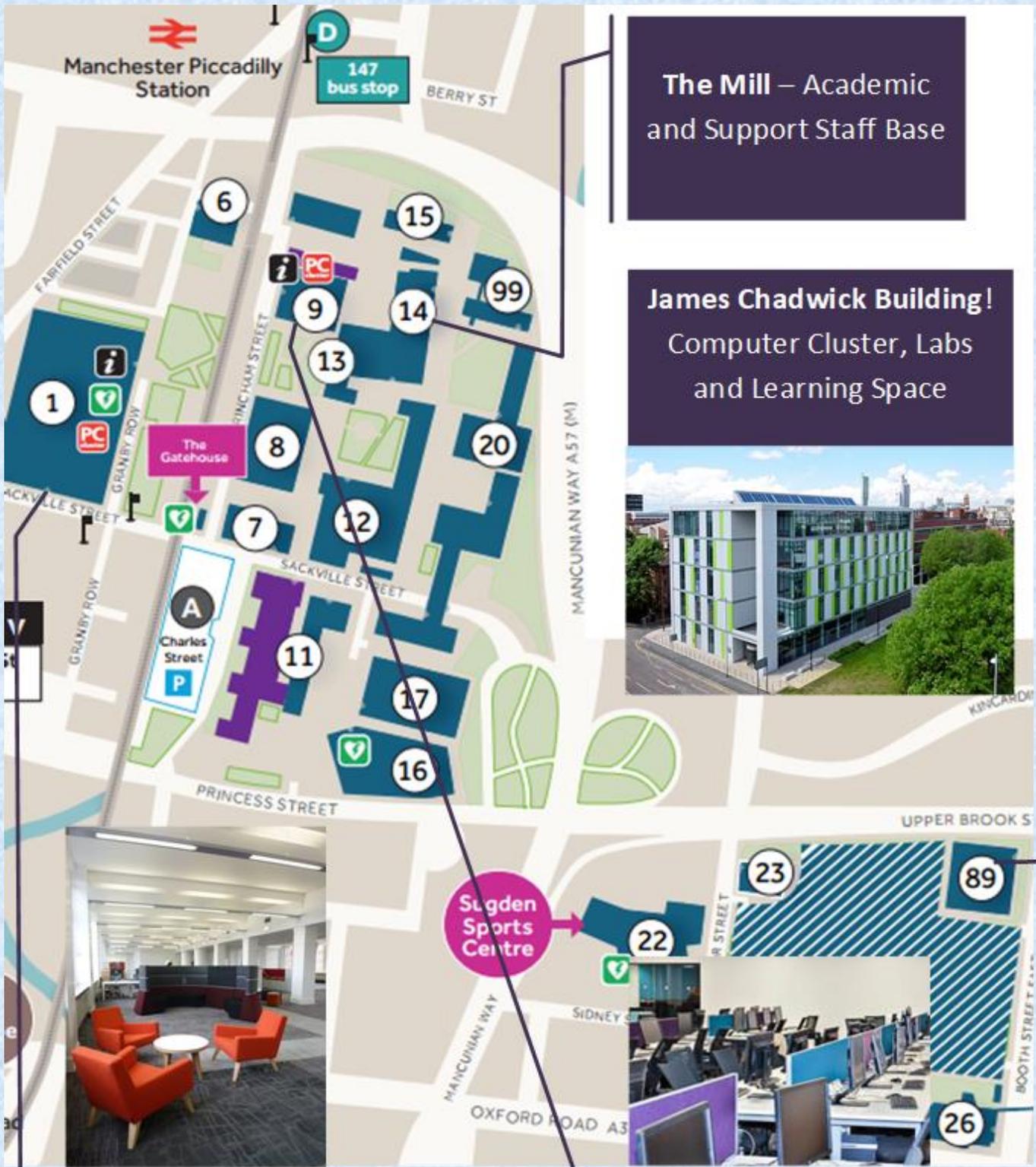
Oxford Road

South Campus – Here you will find the John Rylands University Library, Alan Gilbert Learning Commons, The Student Union, University Place and more!

Fallowfield Campus Residences

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North Campus Map



The Mill – Academic and Support Staff Base

James Chadwick Building!
Computer Cluster, Labs and Learning Space



Sackville Street Building – Visit the Joule Library



Barnes Wallis – Computer hub and Café



University Packing

Deciding what to pack for university can be a difficult task, especially for a first-year student! Looking online can give you plenty of suggestions but remember not to pack too much! Don't worry too much about what to bring – just remember that you have to take it back at the end of the year, you will be surprised at the things you collect over the course of the year.

There are some things you **don't** need to bring with you:

- **An Iron & Ironing Board** – Halls of residence usually provide these.
- **Your Entire Wardrobe** – Do you really need sandals during winter?
- **A Level Notes and Folders** – If you think you need them create scanned PDF copies, it will take up less space.
- **Candles/Incense** – These are banned in halls of residence as they are a fire hazard.
- **Expensive Kitchen Items** – Save your money and invest in nicer things next year!
- **Electric heaters/mini fridges** – generally not allowed in halls (check the rules)

Top Tip: Purchase some appliances after you have arrived – Does any flat need 8 kettles and toasters?

We've provided a handy checklist on the next page to help you out...

Essential Items Checklist

Paperwork:

- Offer letter from the University
- Confirmation letter from the University
- Halls rental agreement
- Bank details (if you have one)
- NHS number (if you're from the UK)
- Proof of ID: Driving licence and Passport

General:

- Laptop/Computer – Don't forget the charger!
- Warm and comfy clothes
- Door stop – To prop your door open and let people know you are in!
- Waterproof coat/umbrella –Manchester has a rainy reputation
- First Aid kit
- An alarm clock – So you don't miss any 9am Lectures
- Rail card (can get in Manchester)
- Detergent, sponges (normally one person buys in shared kitchens)

For the first few days:

- Biscuits – Good way of making friends
- Bottle opener – Unpacking can be thirsty work!
- Select items of fancy dress for Welcome Week
- Anything to make your room feel more like home!
- Bedding and a pillow. (You can buy these when you get here)

For Uni – but you can get all this when you're here:

- Stationery
- Calculator (check that it abides by university regulations: can't store text and doesn't have all the letters of the alphabet and not graphical) In general the same model is accepted as for A levels
- Notepads – To keep your notes organised
- Post-its
- Blu- or White-Tac

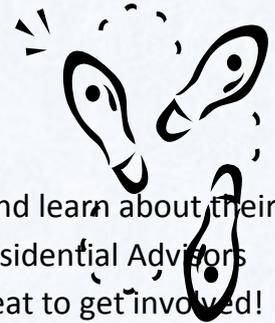
These are your first steps...



Now time to make the journey to your home for the next year! Moving away from home can be daunting especially if this is the first time.

The University of Manchester provides lots of help, support and information to help you get settled into university life. **Here are a few tips that we have found useful:**

1. Be considerate of other people – their views, choices and possessions!
2. Understand the rules of living in residence
3. Decorate your room and make it feel more homely
4. Keep on top of the dishes and rubbish!
5. Compromising is key!



Living in halls is a great opportunity to meet students on different courses and learn about their hobbies, interests and course. Your halls of residence will have their own Residential Advisors team that will run sports teams, socials and welcome week activities; it's great to get involved!

However, it is very important that you keep on top of your workload whilst living in halls; it can be very easy to slip behind and then extremely hard to catch up! You may find it easier to work in the library (main or Joule library in the North Campus) or at the computer clusters across campus where there are fewer distractions.

If you fall behind don't be embarrassed to ask for help;

let your PASS leader know, they can help you to create a plan to catch up!

WELCOME WEEK 2018

Exploring Manchester

1. Nightlife – We think Manchester has the best music scene!
2. Shopping
3. Places to eat
4. Tourist Attractions

Chemical Engineering Welcome Week

8. PASS Team Building
9. Welcome Fair
10. Introduction to the course / first week lectures
11. Chemical Engineering Welcome Week Socials

Halls socials/activities

5. Grab your Welcome Week tickets
6. Visit the local bars
7. Tours of the local area

SU Welcome Week Fair

12. Sign up to Societies or set up your own!
13. Freebies and Discount Cards!

Living on a budget

A lot of students worry about money and making sure student loans last the whole year! As long as you have a realistic budget this shouldn't be a worry!

Typical university accommodation contracts last for 40 weeks per year, make sure you have the money to cover rent for this length of time. It's important to save money for end of year events such as the Summer Ball or Parklife which a festival with big names at Heaton Park (shopping at Lidl can save you a few pounds each week towards this)!

It's important to have fun at university, so make use of Student Discount Cards and Student Entry Prices in clubs! Showing your University of Manchester student card can save you a lot of money!

When you go shopping, try to write a specific list beforehand and stick to the things on the list. Try to use cash where possible to get a feel for what you're spending. You're much less likely to buy a lot of things if you actually have to hand over the cash at the checkout!

The Student's Union offers support and advice for students worried about budgeting or struggling

International Students

The start of the year for international students starts a week earlier than for home students. This is so that you can take part in Orientation Week, and still enjoy Welcome Week!

Everything that you need to know can be found in the Critical Orientation Guide and the Arrival Guide that you should either have received already or will receive soon.

Halls of Residence staff and the student union are the best way to find help during orientation week.

Extra things that you'll have to remember to bring with you are:

- Visa documentation
- Documents to open a UK Bank account (Passport and letter from the university confirming you are a student here)
- Currency

Getting Around...

Buses

Unirider (Stagecoach): University student focused yearly bus pass which grants you travel around parts of Manchester and creates links between useful locations, at great value

147: Is a frequent, free bus route that runs between North and Main Campus on weekdays



Bikes

D-lock: You can get one from the university at a discounted price. These stronger locks are a must in Manchester. Cable locks can be cut easily.

Waterproof cover: this protects your backpack from getting dirty when the roads are wet.

Mudguards: quite useful as it often rains.

Cycle lanes: There are cycle lanes on Oxford road, but you can cycle on other roads as well.

Places to lock: university buildings and accommodation generally have enough places to lock your bike.



Taxis

If you're ever on your own late at night, a taxi can be a great way to get home. Uber is very secure, and street cars with the SU so you can hand your student ID in as a fare and pay the next day if you have no cash.

Where to study...



The Mill – Here you can find our administrative offices, lecturer's offices, staff room, computer clusters, and our student common room, as well as some postgraduate laboratories.

Reynold Building – The lecture space in here is some of the largest in the Uni and is used by all engineering courses. Come and visit the Enigma Café for refreshments after lectures, hot meals are available at lunchtime too!



James Chadwick Building – Featuring our Undergraduate laboratories, 84 seat computer cluster. Learning spaces on the top floor are used for PASS sessions!

ChemEng Society



The Chemical Engineering Society is the social side of Chemical Engineering at Manchester, holding regular socials and events throughout the year.

If you want to play sports, ChemEng has a netball and football team (speak to Lucy Talbot to join) running weekly matches, **training** and **socials** throughout the year.

The industrial representative arranges plant tours, talks and CV sessions with industrial reps which can really help **boost your CV** and variety of things to talk about in interviews.

Socials are run throughout the year ranging from nights out to laser tag so there is always likely to be something you want to do! The Halloween social is a must for those who look a good bit of fancy dress.

In addition to this, there are two massive events held annually:

Frank Morton – Every year, all chemical engineering schools across the UK compete in one **MASSIVE** sports day. The society organises everything into one ticket (travel, t-shirt, event) and you just have to **get involved**. More info will come later...get your **CUSTOM** t shirt designs ready!

May Ball – Every academic year concludes with a ball. Academics, students on industrial placements and industrial representatives all join together for one massive ball. Complete with a 3-course meal, entertainment (2017/18 – belly dancers) and a dance floor...this is not one to be missed (especially seeing senior academics on the dance floor!)



Head of Teaching

ChemEng Society Committee

President



Hi Freshers! Congrats on getting a place to study chemical engineering at the UoM. It is one of the most prestigious universities in the world and is of course the birthplace of chemical engineering! I am one of the two presidents of the society this year overseeing all aspects of the society and ensuring that things run smoothly. One of my personal aims is to initiate more inter-society sporting events such as quidditch, basketball and dodgeball.

First year can be a daunting time, as it is probably the first time most have you have lived out but believe me, university will be the best time of your lives. Regarding chemical engineering, if you guys need any help with exam prep, lab reports, cw's or just general advice please do not hesitate to approach me, I will be more than happy to help. I have also completed an industrial placement at a pharmaceutical company therefore if you guys have an interest or would like to know more about what it involved, just drop me an email.

Finally, make the most of first year, it will fly by!

Farrukh

President



Hey Everyone! My name is Selina and I'm one of the presidents of the Chemical Engineering Society. I undertook the year in industry with AkzoNobel last year which, whilst being incredibly rewarding, made me dearly miss university. So to make the most of my last year and the most of all of yours, I'm really looking forward to running the society this year! I must admit, Chemical Engineering is a tough subject but getting involved in events, meeting other people in exactly the same boat as you and learning from the experiences of your peers will make the whole experience a lot smoother. Keep your eyes peeled for further announcements & be sure to join during the fresher's fair! Can't wait to meet you all in September :D

Selina

Treasurer



Hi my name is Wunmi and I'll be your treasurer for the next year. I'll be helping to support the committee by regulating flows in and out of the society's bank account. I'll also be assisting in gaining sponsorships and the raising of funds for trips and events. I'm very open to suggestions so if there's anything you'd like to see done/changed please let me know.

Outside of Chemeng I enjoy playing sports and community volunteering. I'm a 4th year and have done a year in industry so if you've got any questions about the course or spending a year in industry feel free to ask. This is a really good society so the more involved you can get the better, I hope to see you all at our events!

Wunmi

Frank Morton Secretary



Maisie

Hi guys, I'm Maisie! I'm a third year student from the North East of England and I am one of your new Frank Morton Secretaries. Frank Morton was one of my highlights of last year. There are so many sports available and you don't even need to be good at them to join in! I'm on the chemical engineering netball team so you'll find me at the netball courts, even though I couldn't catch a cold.

I've just returned from a great summer at Camp Canada where I was a general councillor. I've tried lots of different sports and activities and after looking after kids all summer I'm more than qualified for herding the stragglers onto the coach at 3am.

I'm looking forward to seeing you all at Frank Morton!

Social Secretary



Callum

Hey guys, I'm Callum and I'm a second year student from Sussex. I'm the Social Secretary for the ChemEng Soc this year, so I'm here to make sure you're here for both a good time and a long time!

Outside of Chemical Engineering I enjoy a night out (hence Social Secretary!) and staying active at the gym with friends.

Make sure to get involved in the first year to get to know your course mates you'll be spending the next four years with!

General Secretary



Matthew

Hi, I'm Matt, I'm a second year student from Northampton, and I will be the General Secretary of the Chemical Engineering Society this year. Coming from a relatively small town to a large city like Manchester has been a great experience for me! Outside of the course I try to keep my body active as well as my brain, and enjoy playing hockey – I am part of the Manchester University Men's Hockey Club. I also enjoy walking and camping, Manchester is in a great location to visit the Peak District and escape from the city. This university has so many clubs and societies available, so make sure you get involved!

Frank Morton Secretary



Elena

Hi guys, my name is Elena and I will be one of the Frank Morton secretaries this year. I'm originally from Sussex and am in my third year of chemical engineering. I love playing sports and I'm part of the chemeng netball team. Outside of uni, I love travelling and have just spent my summer travelling to Canada, Cuba and Portugal. In Canada I worked at a summer camp and was in charge of 15 young teens and all their activities, including a 4 day canoe trek. Hopefully, this will make organising Frank Morton seem like a breeze in comparison! Having been to Frank Morton last year, I know how much fun it is and there's a sport for everyone, or if sport's not your thing you can just come along to cheer and get involved in the night out! Hoping to see as many people as possible joining myself and Maisie on the netball courts. Looking forward to seeing you all there.

Chemical Engineering Ball Secretary



Ellie

Hey guys I'm Ellie. I am sharing the role of ball secretary with Annie Hargrove. I am in 3rd year and am originally from Northampton. Having been to both summer balls since being at Manchester, I can't wait to plan next summers and meet all the first years. My interests include Salsa and kickboxing. I also enjoy baking and eating out so let me know if you need any recommendations for quirky restaurants and cocktail bars in Manchester.

Industrial Secretary



Nour

Hello! I'm Nour, your new industrial secretary. I come from land of the pharaohs - Egypt. I'm a fourth year student, returning to Uni after a year of industrial experience in the energy sector. I've worked for E.on and GEA, particularly within their low carbon heating & cooling solutions unit.

As your industrial sec, I will be liaising with companies and professionals in industry to organise site visits and technical presentations to help you gain exposure to the different opportunities available in the market. Keep an eye out because these trips are in high demand! Alongside academia, I seek adrenaline in air, sea, and land! I do skydiving, kitesurfing, and land boarding - so hit me up if you're after a new hobby. Top tip, Make the most out of your time here.. Manchester has got plenty to offer.

Chemical Engineering Ball Secretary



Annie

Ball Hi, my name is Annie and I am the Chemical Engineering Ball Secretary for this year with Ellie Issott. Having had a brilliant time at the ball last year, I can't wait to match the high standards that last year's ball secretaries achieved. I'm from the UK but my parents live in New Jersey, so I have a rare insight into being a half-international, half-domestic student, and very much understand how daunting moving away from home can be. In my spare time I volunteer with the Riding for the Disabled Association, tutor GCSE students, and attempt to play netball with the Chemical Engineering team. I also enjoy sampling any and all food that Manchester has to offer. University is the most fun when you step out of your comfort zone, so my advice is to stay on top of your work, but most importantly – try something new!

The Chemical Engineering Society make everything happen! If you have an idea for a social, speak up! If you want to help plan industrial trips, message Nour!

ChemEng Netball & Football



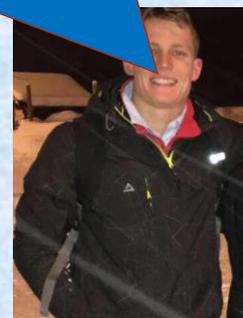
"ChemEng netball is an inclusive team that welcomes all levels of abilities to play in the University campus netball league. This allows you to have all the enjoyment of playing for a netball team without the pressures of the uni teams. Every year we have girls from around the world playing and we aim to increase this number this year and aim for two teams in the leagues. We hold training sessions once a week and the cost is usually < £2 (super affordable). We also have socials throughout the year and hold some with the ChemEng football team too!

The captain for this year is Lucy (PASS coordinator) and Kristen Dunne is the vice captain. If you want to know more we will be at the ChemEng welcome week fair or come and speak to me at any PASS session. We want as many first years as possible so don't be shy and come and say hello!



Hi all, I'm just writing to let you know about the Chemical Engineering Football Team and what you need to do to sign up. The team plays matches each week in the University Campus League against other department and accommodation squads. Over the past three years the standard has always been very high, but the atmosphere within the squad remains to be extremely relaxed at the same time. I will be sending out an email at some point during Freshers Week to let you all know about where and when trials are going to be. All in all I would really encourage each of you to come along because it is always a great social and a brilliant way to get to know others on the course in each of the different year groups!

I look forward to meeting you all at the trials, feel free to drop me a message in the meantime if you've got any questions! Cheers!, James Bonney



Course Structure

Lectures

These will take place on a daily basis with Wednesday afternoon usually reserved for sports. These will be the whole cohort so expect a lot of people! Don't be afraid to ask or answer questions this can often be the best way to learn. If you feel overwhelmed take time to go to office hours.



Tutorials

These can be in lecture theatres or computer clusters so check the timetable on where to go! Demonstrators are there to answer your questions and working with others will certainly help you get better at the course content. For "Process Engineering Fundamentals" this will probably be one of the best ways to learn!



In **every year** you will have regular tutorials with an assigned tutor who you will have weekly 1:1 meetings with in the first year (if this isn't happening, speakup!). From the second year onwards they will occur once a semester, or as often as required.

Labs

An essential part of the chemical engineering course (and you get to use some state of the art equipment). You will have fortnightly sessions in the lab with your lab group of 6 (another way to make friends on the course) with a demonstrator and then a week to write up the report or poster. Sometimes you will have an interview and in your PASS sessions we will practice all of these to help you do your best when they come around.



Design Projects

An essential part of any chemical engineering degree. You'll do one in the first week and then spend two weeks just before exams in the summer using all of your new knowledge (good way to revise the content!). In final year you'll do the final design project so these give you a good idea of what they're about.

Feedback

Giving Feedback

This is an essential part of shaping your University experience. This is the best way that you can impact how CEAS works and helps you to develop as many skills and experiences as possible whilst studying here. There are several ways you can do this:

- Speak to student reps.
 - These are elected students who attend sessions with academics and University staff to shape the way the school runs.
- Speak to members of the chemical engineering society board
 - Treasurer may be able to find more money for socials
 - Social secretary could put on a new sports team if you like
 - Frank Morton reps could get a sport into the day you want to try
- Speak to academics
 - Your personal academic tutor is your first point of call. Speak to them in tutorials or over email so you can get your issues addressed. All should be very willing to help and point you in the right direction
- PASS coordinators or PASS leaders
 - Our job is to help you wherever possible, in either academic or social problems. If we aren't equipped to deal with your problem then we will happily find the right people to put in contact with

Receiving Feedback

This is the best way to learn from mistakes. If you feel you are unsatisfied with the feedback on lab assignments, then speak to lab supervisors to see if you can get more. The University aims to provide at least a minimum standard on all submissions so speak up if you feel you aren't getting enough.



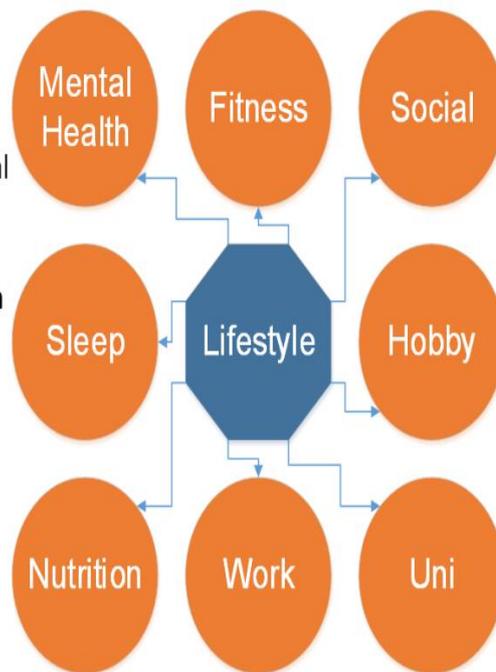
Wellbeing

University life can be hard, **we all struggle sometimes**. It's important to take care of your own wellbeing. Remember, university has a lot of academic work but there's more to it than that...



¼ students suffer from mental health issues...if you aren't suffering you will know someone who is. **Talk to each other.**

A healthy body is a healthy mind...learn to **eat the right foods, exercise**. You will perform better at work and university.



MANCHESTER
1824
The University of Manchester

Get to know your co-workers...play tennis with them, **get drinks on Friday**. You'll thank me later.

Notice how uni and work are two parts of this puzzle? **Diversify your life portfolio**. Use this time to learn the skills you'll want when you're 30.

Wellbeing at university...seek support if you need it!

<https://www.counsellingservice.manchester.ac.uk/wellbeing/>

Is someone you know acting differently - do they seem low, worried or stressed? If so, help is available. Whether it's for you or someone you know, you can access confidential advice on the support and options available to you.

counselling.service@manchester.ac.uk;

+44 (0)161 275 2864, Monday to Friday 9am to 4pm,

Sports at University

Sporticipate

Sporticipate is the beginner-level sport and physical activity programme for all staff and students at The University of Manchester.

All sessions, programmes and events are aimed at complete beginners so it doesn't matter if you have played a sport before or not. All equipment will be provided, all you need is yourself, your registration ticket and comfortable clothing.

If you are moving into University accommodation then you could be enjoying more than 35 hours of FREE sports and activities every week!

You can also get free personal training in gyms inside halls of residence.

<http://www.sport.manchester.ac.uk/sport/sporticipate/>

<https://www.facebook.com/sporticipate/>

sporticipate@manchester.ac.uk



Gyms

For those who want to go to the gym, here's the best summary available.



Remember buy in bulk at the start of the year to have constant motivation, and the cheapest price.

Sugden (7am – 1030pm, Mon-Fri; 9am-730pm Sat-Sun)

£150 – 12 months, £120 – 9 months, £4.55 per visit

JD's gym Manchester (6am – 10pm, Mon-Fri; 8am – 8pm, Sat-Sun)

thegym (24/7) – City Centre / FallowField

£16.99 / month or (£99 for 10 months in September)

Manchester Aquatics – (6:30am – 10:00pm Monday - Fri)

Anytime fitness (24/7) – City Centre

£34.99 / month, £375 12 months prepaid

Puregym (24/7) – City Centre

£21.99 / month, £240 – 12 months, £197 – months



Final bits of advice...

The Student Experience Team are here to help, based in C79, we assist with the running of PASS and other activities. We hope that the guide has answered most of your questions and will help you adjust to life at The University of Manchester.

We hope that you enjoy your time here and will do all that we can to ensure that you do!

If you have any queries, comments or issues relating to PASS please contact us! We will be around in welcome week if you need any help!



Darren Huyton, Student Experience Manager and PASS administrative liaison

Dr. Alessandro Patti, PASS academic liaison

Dr. Arthur Garforth, Head of Teaching

Dr. Chris Hardacre, Head of School