



**University of  
Nottingham**

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**Welcome to University  
of Nottingham**

**Foundation  
Engineering and  
Physical Sciences  
(FEPS)**

**April 2020: Insights and Updates**



**Foundation Year at Nottingham is Year Zero of an undergraduate degree programme.**

We take on students with the potential to achieve, but do not qualify for direct entry to year 1. This can be for a number of reasons. As a result we consider applications on an individual basis.



## What is the FEPS course?

One year course for both UK/EU and international students to get up to speed on the content and skills required to succeed on a UG course in Engineering or Physical Science.

When students pass the FEPS programme they will automatically\* progress onto their chosen BEng / MEng / BSc / MSc degree at the University of Nottingham

**There is no need to reapply.**

\*Automatic progression is subject to University Regulations





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# Our Teaching Facilities – within the Advanced Manufacturing Building, Jubilee Campus



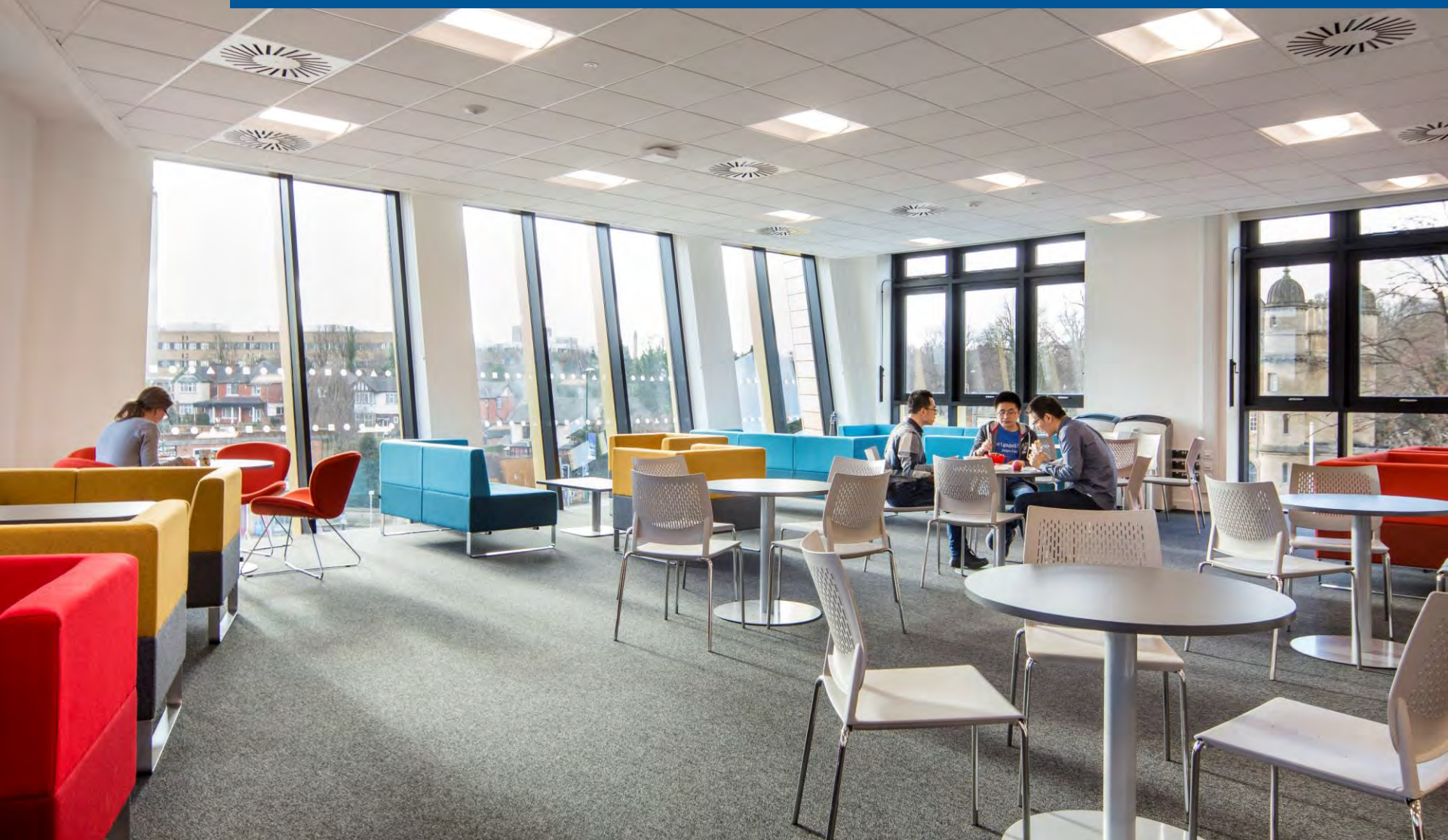


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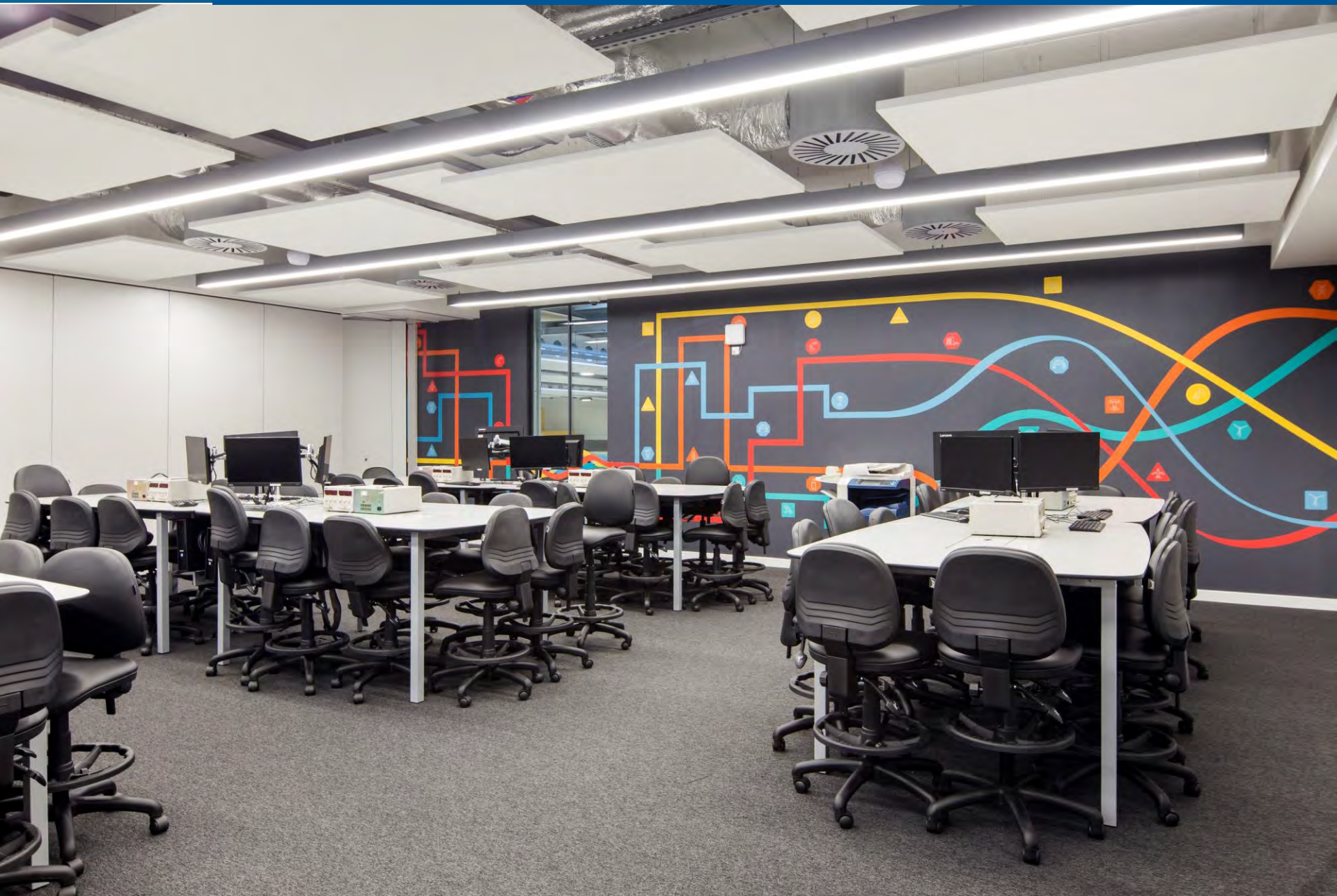


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- Last year (2018-2019) – pass rate: 86%
- The vast majority of these take the opportunity of automatic progression (subject to satisfactory performance) onto their degree choice here at Nottingham
- A small proportion choose to use their Foundation Certificate to apply for courses elsewhere, or in other disciplines.
- Former FEPS students typically achieve excellent results at the end of their degree.



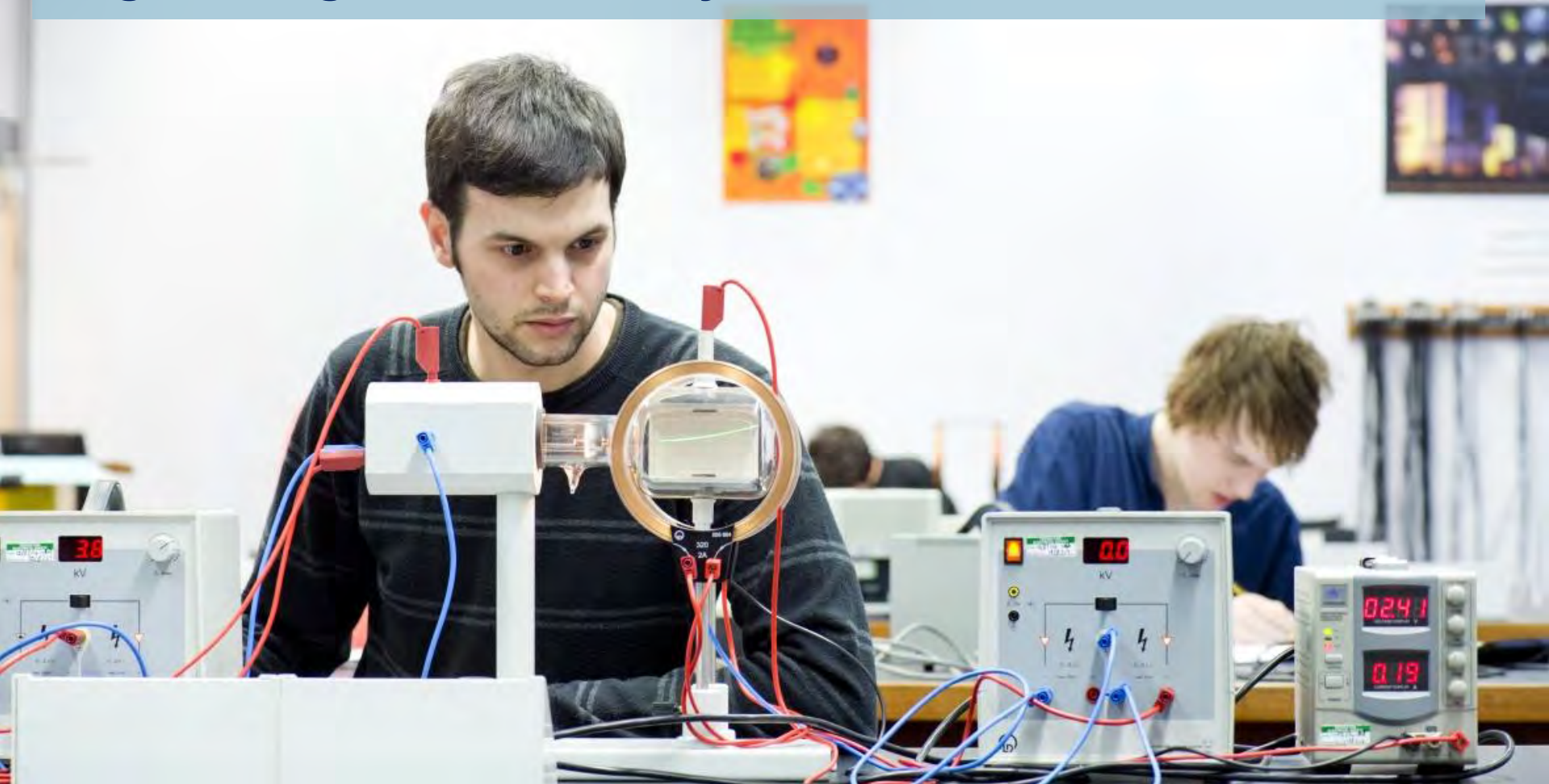
“We are passionate about giving our students an outstanding learning experience that provides them with the best possible starting point for their undergraduate studies”

**Shirley Ashforth-Frost**  
Head of Department





The FEPS programme leads to courses in the **Faculty of Engineering** and the **Faculty of Science**





Architecture and Architectural Engineering

Chemical and Environmental Engineering

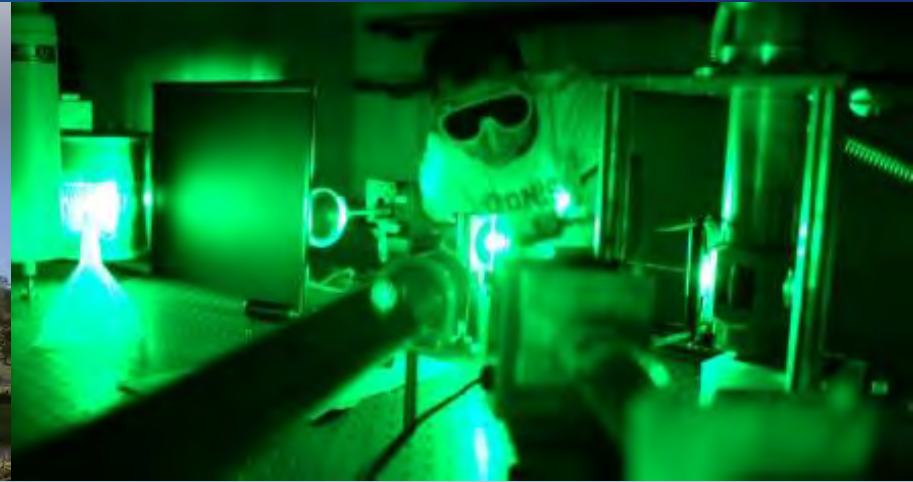
Civil Engineering

Electrical and Electronic Engineering

Mechanical, Materials and Manufacturing Engineering  
(including Aerospace Engineering)







Physics and Astronomy

Computer Science

Mathematical Sciences





All UK universities have 120 credits of study per year.

FEPS is taught using:

Lectures

Laboratories

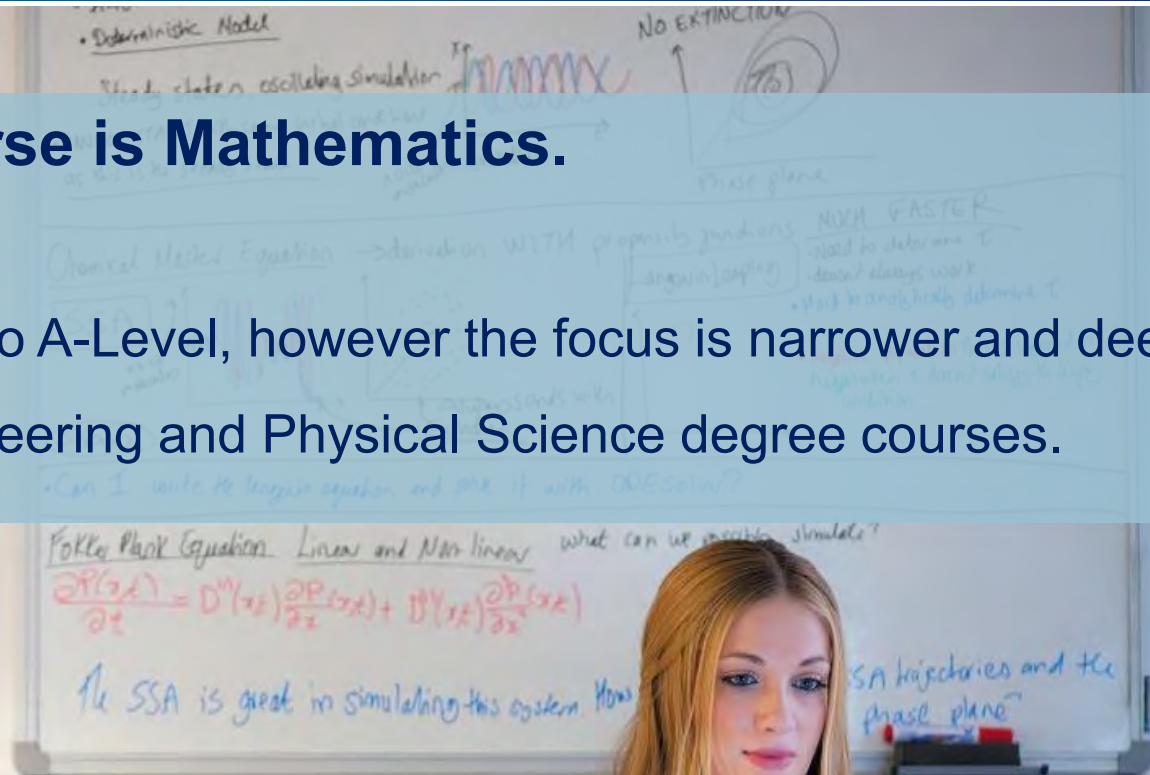
Problem workshops/seminars and tutorials





**One third of our course is Mathematics.**

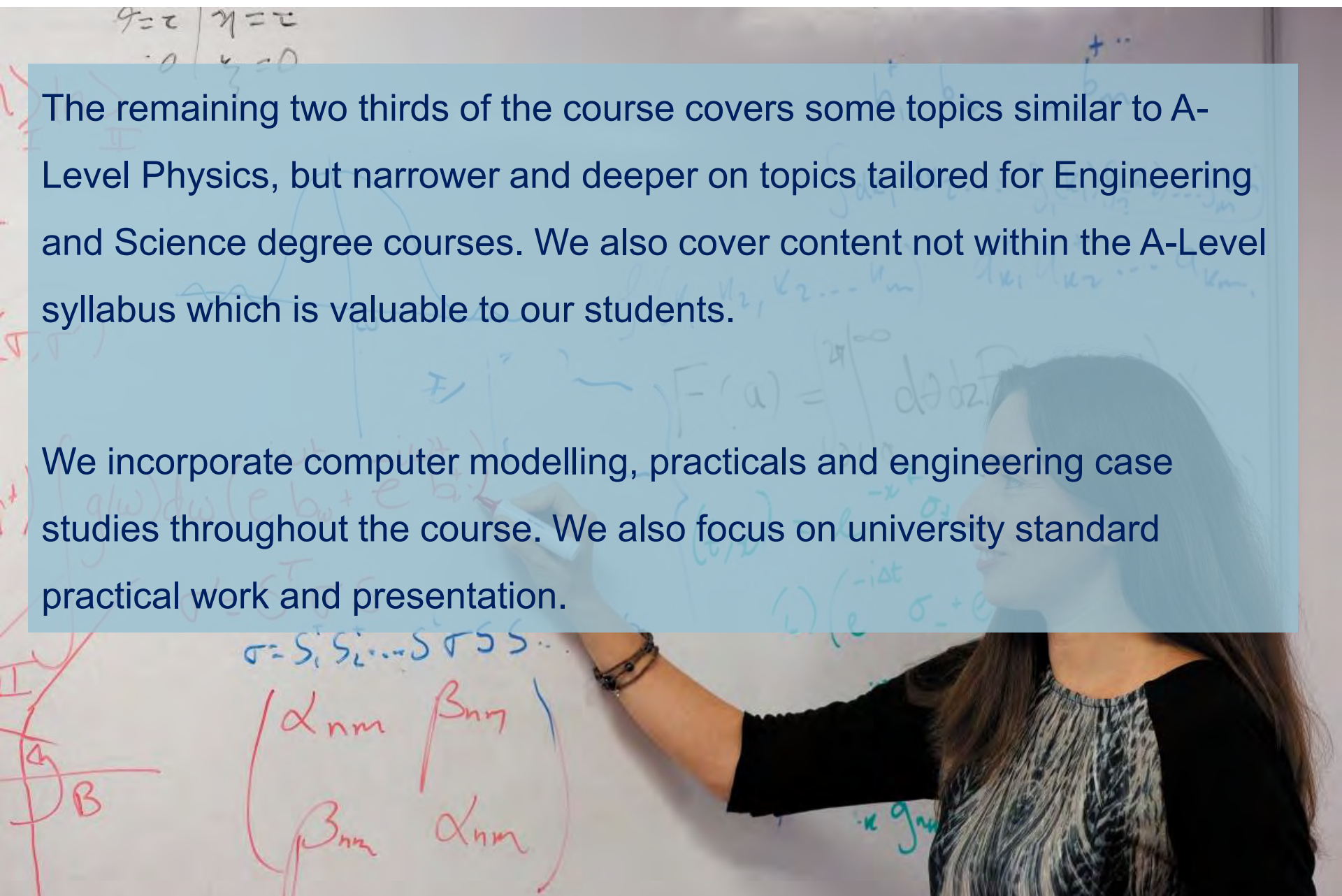
This is roughly equivalent to A-Level, however the focus is narrower and deeper on topics tailored for Engineering and Physical Science degree courses.





The remaining two thirds of the course covers some topics similar to A-Level Physics, but narrower and deeper on topics tailored for Engineering and Science degree courses. We also cover content not within the A-Level syllabus which is valuable to our students.

We incorporate computer modelling, practicals and engineering case studies throughout the course. We also focus on university standard practical work and presentation.





## Semester 1

Foundation Mathematics 1

Professional, Experimental and Academic Competencies – laboratory, study and research skills.  
Computer Methods (MATLAB)

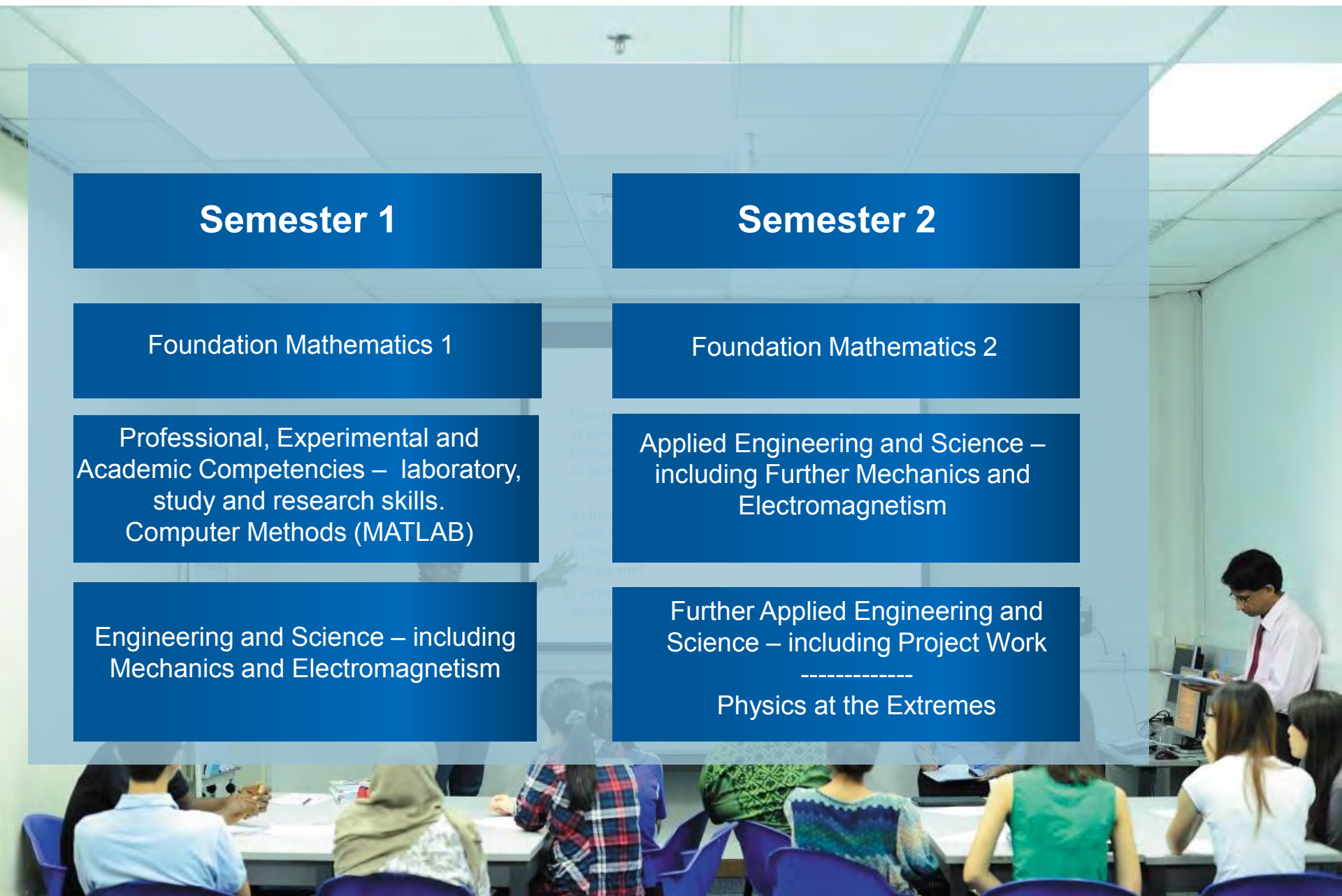
Engineering and Science – including Mechanics and Electromagnetism

## Semester 2

Foundation Mathematics 2

Applied Engineering and Science – including Further Mechanics and Electromagnetism

Further Applied Engineering and Science – including Project Work  
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Physics at the Extremes





**FEPS students have around 20 compulsory contact hours per week**

In addition to this we provide additional small group tutorials and drop in sessions which students are encouraged to attend to seek help where needed.

Plus we recommend:

- 6 hours coursework / directed study / further reading
- 7 hours revision / notes write up

**To succeed on our programme we expect our students to work hard but we will support them every step of the way.**

# FEPS Studies: Example Timetable

	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5
<b>Monday</b>	Electromagnetism Seminar		Mechanics lecture	Eng. drop-in		Maths lecture		
<b>Tuesday</b>					Maths Seminar	Comp methods (Matlab) lecture	Professional Skills Seminar	
<b>Wednesday</b>	Tutorials							
<b>Thursday</b>	Maths lecture				Computer methods (Matlab) Seminar		Prof. Skills Lecture	Maths Drop-in
<b>Friday</b>		Electromag lecture	Mechanics seminar		Friday Prayers		English	



The course is run by dedicated staff who are part of the University of Nottingham academic community.

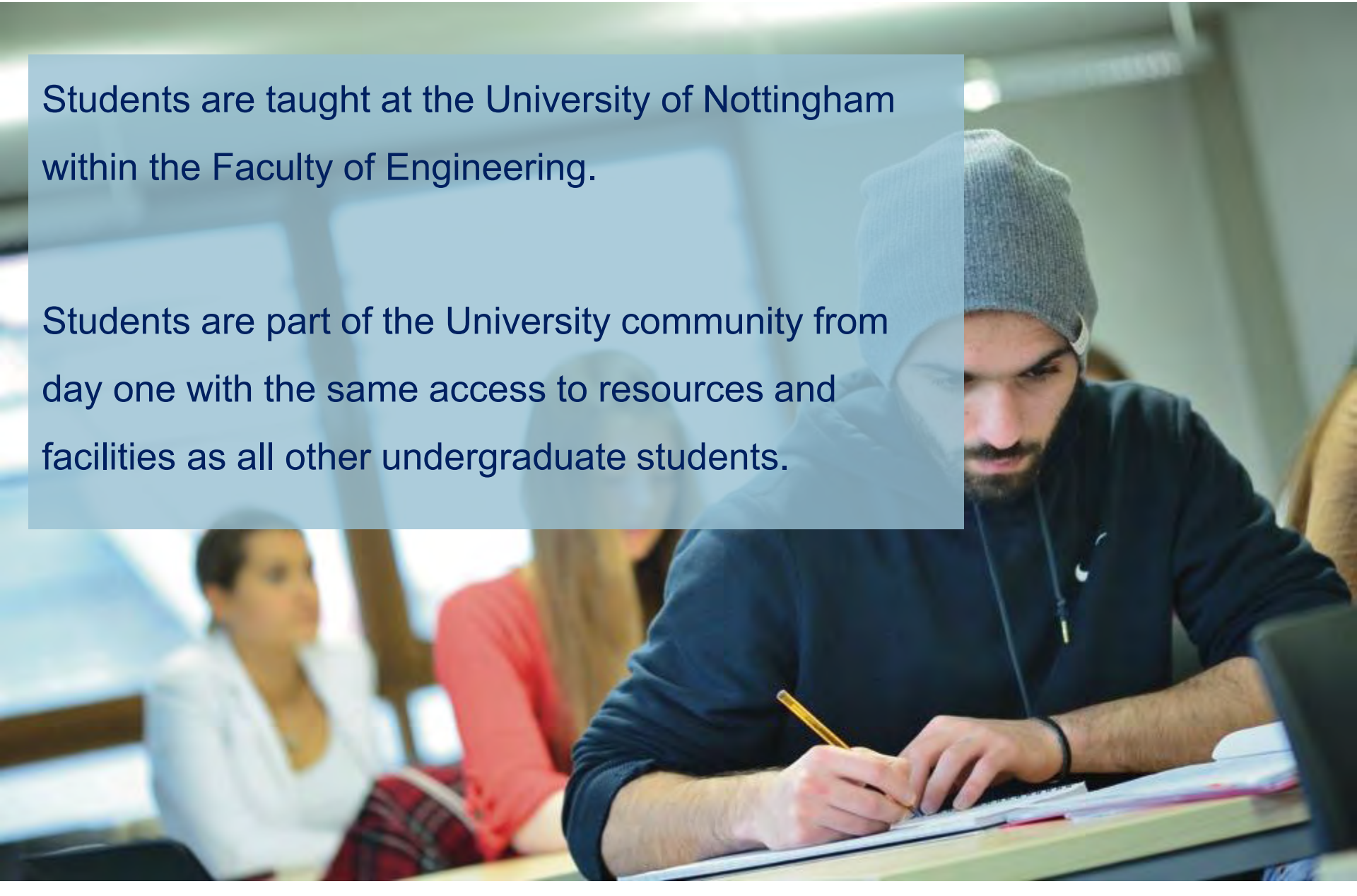
We are passionate about the course and about offering a great experience and opportunity for our students.

We care and take the time to get to know the students we are teaching!



Students are taught at the University of Nottingham within the Faculty of Engineering.

Students are part of the University community from day one with the same access to resources and facilities as all other undergraduate students.

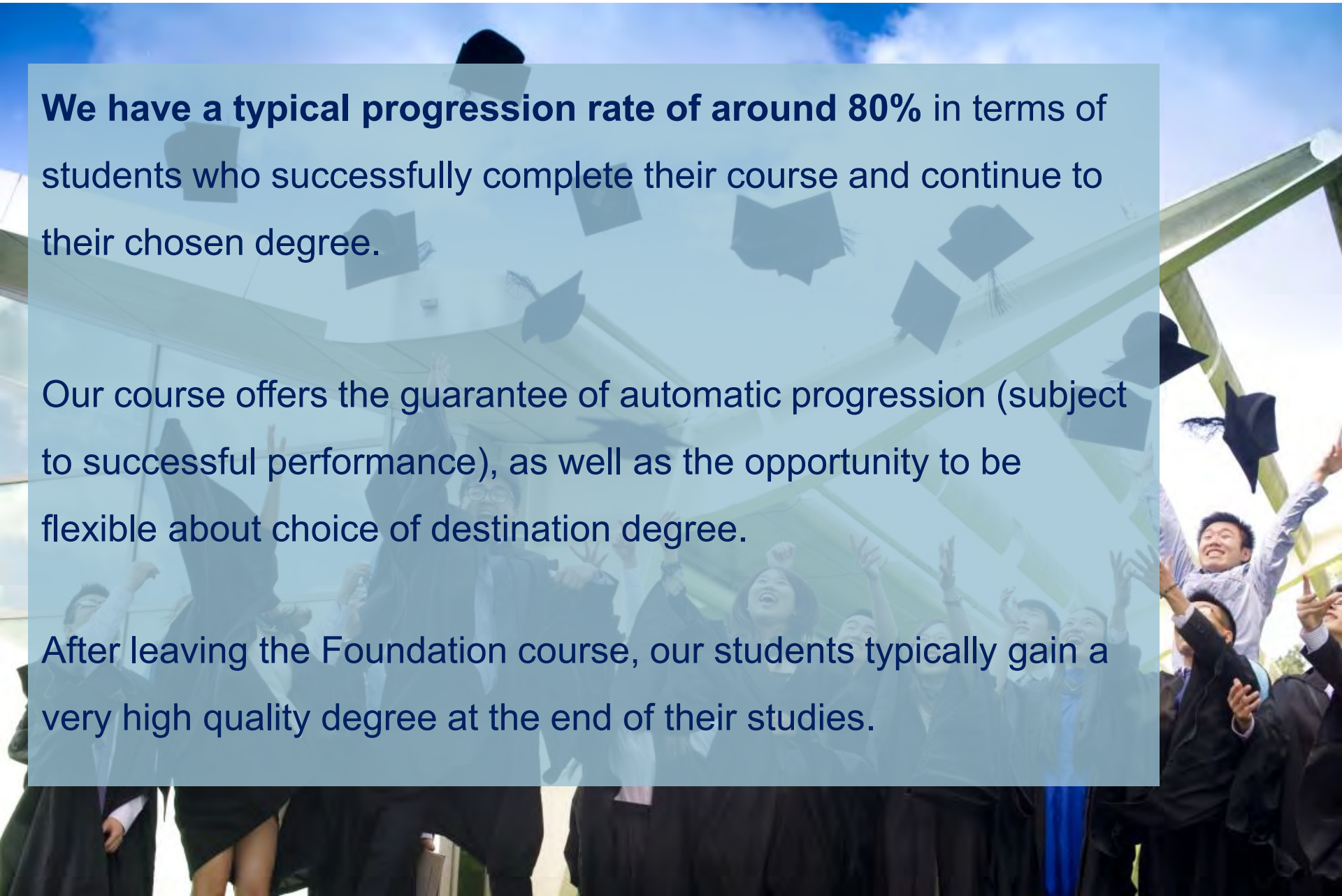




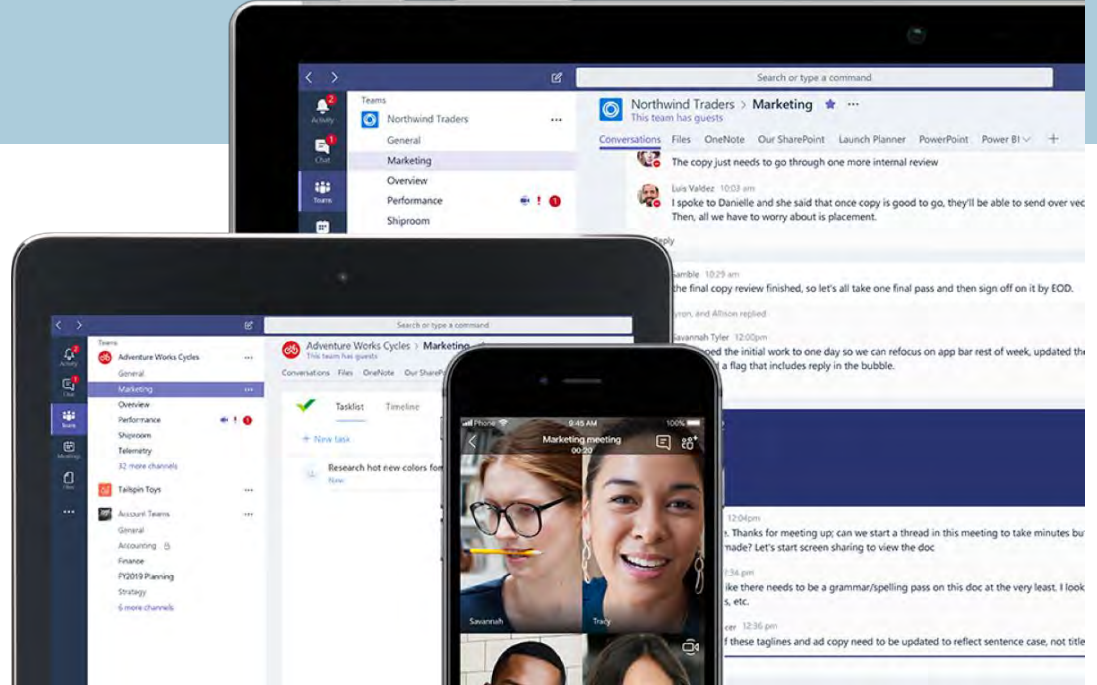
**We have a typical progression rate of around 80%** in terms of students who successfully complete their course and continue to their chosen degree.

Our course offers the guarantee of automatic progression (subject to successful performance), as well as the opportunity to be flexible about choice of destination degree.

After leaving the Foundation course, our students typically gain a very high quality degree at the end of their studies.



Despite the closure of all of our premises, FEPS has been operating ‘business as usual’, with significant success, through remote working for the past four weeks.



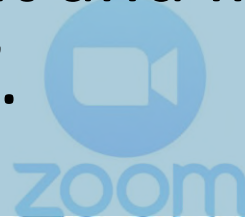


## Comments from Current FEPS students:

- “I think the department is trying their absolute best to stay in touch and help us students which is highly appreciated”.



- “So far the online classes have been going well as they are very on point and if I have any question I can just get in touch”.





“I don’t usually do self-promotion but I’ve been told I should let you know, I have a 3D printer at home, and because of the national shortage of PPE I am able to 3D print face shields. I have made 100 shields in the past week which have been delivered to local care homes and hospices. I have now set up a ‘Go Fund Me’ so that I can increase production to fulfil more orders as the need for them is increasing every day.”

Joe – Current FEPS student.

