Hello and welcome to the Live Chat! My name is Luke Hall and I am the Student Recruitment Officer for the School of Engineering. We'll be hosting a Q&A session for today's chat. Please feel free to ask your questions, and we'll try and answer these for you. Chatting with you today are Dr Daciana Iliescu, Principal Teaching Fellow & Admissions and Widening Participation Manager, Hannah Bettison, Marketing Executive, and Dheevn Kahion, 4th year Mechanical and Manufacturing Engineering student.

Please remember that this is a public chat, so please do not share personal or confidential information. If you have anything that is confidential that you wish to ask, please contact us by email at engineering@warwick.ac.uk

<table>
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<th>What Degree are you interested in studying?</th>
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<tbody>
<tr>
<td>Automotive Engineering</td>
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<tr>
<td>General Engineering</td>
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Hello

Hello Jaskaran

Hello

Thank you for interest in Engineering at Warwick.

I have great interest in Automotive Engineering and studying this at Warwick. I was wondering what the general learning structure and style is like

We have a General Engineering course in the 1st year and 1st term in 2nd year, irrespective of your course of choice. You then specialise starting with 2nd term, 2nd year.

For students who apply to a BEng initially, is it possible to switch to MEng later in the course?

It is, dependent on performance.

For students who apply to a BEng initially, is it possible to switch to MEng later in the course?

In addition, if you apply for the BEng and achieve grades for the MEng we will provide a dual offer in which you can choose whether to enrol on the BEng or the MEng.

Would that be the grades that are achieved on A Level results day?
Hi Everyone,

Hello!

Just wanted to ask a little about the engineering clubs that go on at Warwick, mainly are there any, and what do they involve?

Would that be the grades that are achieved on A Level results day?

Yes, that is correct. Of course, Warwick - and many if not all UK HE institutions - will give offers based on predicted grades before your grades are attained - these are called conditional offers.

Just wanted to ask a little about the engineering clubs that go on at Warwick, mainly are there any, and what do they involve?

Hi Llloyd!

Yes there is the Warwick Engineering Society, they hold career talks, conferences, site visits and fun socials throughout the year. There is also the Engineering Build Space in the School of Engineering that hold design jam sessions once a week, where you can even 3D print things. There are lots of opportunities for you to get involved in outside of the actual degree.

Specifically in the automotive engineering course, are there any practicals students undertake as part of the degree?

I’m in the Electrical & Electronics Group, so I cannot give you just yet examples of practicals specific to Automotive. For the moment, just to say that 1st and 2nd year students will have some 8 hours of laboratories per week, involving design, measurement, soldering, assembly.

Thanks Dheevn, that’s very helpful! I’ve seen the build space facilities and I was wondering what materials are there on offer to use, and how expensive are they?

That sounds interesting! What do the students usually assemble in the labs?

Specifically in the automotive engineering course, are there any practicals students undertake as part of the degree?

Students on all courses also undertake an individual project in the third year and, if following the MEng course, also undertake a group project in the final year. Exact topics and the level of practical activity involved depends on the year and your own interests however past projects for Automotive Engineering students have included working on an electric powered IMechE Formula Student racing car, and even if you don’t work on this as part of your degree there are opportunities to get involved with it as an extra-curricular activity.
Thanks Dheevn, that's very helpful! I've seen the build space facilities and I was wondering what materials are there on offer to use, and how expensive are they?

You may find this page useful: [https://warwick.ac.uk/fac/sci/eng/facilities/buildspace/facilities/](https://warwick.ac.uk/fac/sci/eng/facilities/buildspace/facilities/) Dheevn may be able to provide more information.

**About**

There is a large range of equipment available to use in the Engineering Build Space. A brief (non-exhaustive) list is included below. The Engineering Build Space also has an extensive suite of design and manufacturing software available to use, including Autodesk Fusion 360, Autodesk Netfabb Ultimate and Autodesk Powermill.

Thanks Dheevn, that's very helpful! I've seen the build space facilities and I was wondering what materials are there on offer to use, and how expensive are they?

The build space is free to use for all students, you can pretty much 3D print anything you like as long as it fits in the 3D printers. The most common material we use is PLA in a range of colours :)

Thanks Dheevn, that's very helpful! I've seen the build space facilities and I was wondering what materials are there on offer to use, and how expensive are they?

With regards to material costs, I cannot answer definitively, but I was recently quoted £70 - £80 in parts to make a car piece for our formula student car... that probably doesn't help at all but it is the only bit of information I can provide regarding material costs unfortunately!

That sounds interesting! What do the students usually assemble in the labs?

There was a small test engine that I know of, and also every year some winning student designs get to be manufactured. There are also circuit boards, some for robot control, other general signal processing.

What was the cost to build the entire formula student car?

Thank you for the helpful answers!

Thank you both, the link you sent looks especially interesting. If the build space is free, I assume there is a limit on how much material a student can use? Surely some of there personal projects can cost a lot?

What was the cost to build the entire formula student car?

I’m not sure about costs to build the entire car but if you’re interested in the project the society have their own website: [https://www.warwick-racing.co.uk/](https://www.warwick-racing.co.uk/) where you can find out more. You could always get in touch with them via email or social media if you wanted to ask specific questions.

**Home**

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Thank you both, the link you sent looks especially interesting. If the build space is free, I assume there is a limit on how much material a student can use? Surely some of the personal projects can cost a lot?

As far as I am aware there is no strict material budget per student as such, as long as you use the facilities sensibly, then you can print what you like.

Thank you both, the link you sent looks especially interesting. If the build space is free, I assume there is a limit on how much material a student can use? Surely some of the personal projects can cost a lot?

There is a fund to cover consumables with a cap on maximum cost per individual (most small work will not reach that). Anything in excess would have to be covered from personal funds.

Thank you so much for the link, I will be sure to check it out!

Wow, that’s generous. Thanks for all of your responses!

Thank you everyone for taking out the time to answer my questions, I greatly appreciate it! Hope everyone has a good evening!

Wow, that’s generous. Thanks for all of your responses!

No Problem Lloyd :)

Thank you everyone for taking out the time to answer my questions, I greatly appreciate it! Hope everyone has a good evening!

Our pleasure - have a great evening. If you have any more questions please feel free to email engineering@warwick.ac.uk. We’ll still be here until 5pm too!

Thanks for everything so far - would anyone like to know anything about any topics that we have not yet covered? Dhavv is obviously a current student so you can also ask about more general questions such as what it’s like to be an Engineering student at Warwick, what the campus is like etc.

What engineering books would you recommend reading?

Do you offer sub-courses in things like programming or business management to study during the degree?

What engineering books would you recommend reading?

Hi!

I don’t have any Engineering books as such to recommend. However what I find most useful is staying up to date with Engineering in the news, reading articles is one of the best ways to understand the industry.

What engineering books would you recommend reading?

Each module will have a published list of books (or e-books) or other resources.
How widely employable are the graduate engineers? Do they all go into engineering or do they go into other fields to?

Do you offer sub-courses in things like programming or business management to study during the degree?

We offer a module currently called Starting a Business, which is optional for our degree courses.

Would you recommend 4 A Levels in Year 13, or 3? They would be Maths, Further maths, Physics and (Chemistry)

How widely employable are the graduate engineers? Do they all go into engineering or do they go into other fields to?

Skills from an engineering degree can be used in many different industries not just engineering specific. This can include consultancy, business, software, HR, it’s a very broad scope!

Thank you for the responses so far - we’ll have to wrap up soon so if you don’t have your question answered please email engineering@warwick.ac.uk!

Would you recommend 4 A Levels in Year 13, or 3? They would be Maths, Further maths, Physics and (Chemistry)

We only require, and make offers, on 3 A levels.

Thank you to everyone! Our live chat is now at an end but it has been a pleasure to talk to you all this evening. As I have mentioned, if you have any more questions please email engineering@warwick.ac.uk. Our next live chats will be listed at warwick.ac.uk/fac/sci/eng/livechat

as a Year 12 student?

What are the best ways to explore engineering beyond the curriculum

What are the best ways to explore engineering beyond the curriculum

Hi Ma, if you email engineering@warwick.ac.uk I will ensure that this is responded to!