

Pathways to Engineering Sector Day

Laura Harris & Paul Beaufoy

Wednesday 24th February 2021



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☰



Welcome!

You're the only one in the room.
Jump in and get started! Upload your content and check your audio.

Chat

My Chat Channels (2)

-  Everyone >

Supervised Channels (0)

No channels to supervise

Housekeeping

- Refreshment breaks
- During networking session, **turn cameras/mics on** where possible to engage with professionals
- Mute yourself when not speaking, unmute yourself during networking
- To engage, **raise hand** and unmute mic, type in the **chat box** or use **reactions**
- Do **not** add, follow or connect with volunteers on LinkedIn or social media
- Be polite and respectful when you ask the professionals questions
- Enjoy today and make the most of the event 😊

Timetable for the day:

Time	Description
16:30	Welcome and Introduction
16:45	Work Experience Preparation & Know-How
17:00	Intro to Careers in Engineering – Warwick's Careers Department
17:15	Alumni speaker
17:30	Networking Preparation Session
17:45	Break
18:00	Networking Session
19:20	Wrap up and evaluation
19:30	Close



What to expect from a work experience placement

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Why is work experience important?

In 2018, over 22,000 applied for 960 paid work experience placements at PwC.

“Work experience helps people stand out from the crowd because they understand what the area of work is really like.”

Attendance

- Very difficult to secure work experience before university
- Work experience can set you apart later on when for university/future careers
- **300,000 students graduating each year with 59% achieving 2:1 or higher**
- Every session is compulsory
- What if I am late?
- Can I leave early?

A typical day of work experience



- You'll meet your main contact at the start of your placement
- Keep the every day free - approximately 3 hours of live sessions, pre-recorded content or work to do in your own time
- Learn about different roles within the organisation
- Networking – chance to network with a range of professionals with that firm
- Undertake group exercises and/or presentations to learn more about the area of work
- Project based placements

How to prepare ahead of your placement



- You're representing your university, the Sutton Trust and all future Pathways to Banking & Finance students. Good impressions can lead to a reference and future work experience opportunities.
- Importance of Face to face vs virtual placement
- Research the organisation and read any business news
- Make a note of the contact if you're running late/have any problems
- 'Arrive' early - make sure you're comfortable with the platform and log in 5 minutes early to ensure there's no tech issues

During your placement

- Dress smart and if virtual, ensure a professional/plain background
- Ask lots of questions!
- Take notes - use your pathways notepad
- Write down what you've done each day and what skills you've learnt
- Be enthusiastic and actively engage
- Keep phones on silent, headphones away

Top Tips

- Make the most of every opportunity and activity
- Lots of ways to engage – webcam, audio, chat, etiquette
- Enjoy it!
- Update your CV afterwards

GET EXPERIENCE

**STAND OUT
FROM THE CROWD**





Careers in Engineering

David Molyneux Senior Careers Consultant

David.molyneux@Warwick.ac.uk



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Today's short session

- Employability Implications of 3 years vs 4 years vs Degree Apprenticeship
- How to research University Courses
- Rough overview of different Engineering sectors

3 year course

BEng

Pros	Cons
Only takes 3 years	Less time to prepare for a career
Greater flexibility	May need to do Masters study later on
Costs less	Less technical skill examples

4 year course

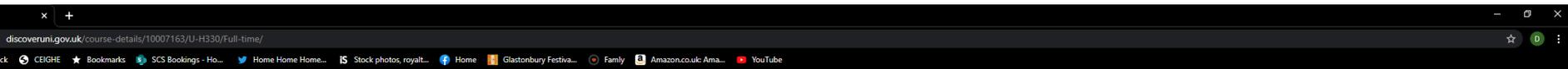
MEng

Pros	Cons
Higher level qualification	Longer before starting work
Will count towards chartership	Will be more specialised
More examples to use in applications	Costs more

Degree Apprenticeship

Pros	Cons
Greater exposure to the work place	A non traditional University experience
Job Security	Lack of exposure to options outside of your employer
Get paid	Much less flexibility

Researching Universities



BEng (Hons) Automotive Engineering

[University of Warwick](#)

1 Location: The University of Warwick

Bookmark course

Course details

Study mode	Length	Distance learning	Placement year	Year abroad	Foundation year
Full time	3 year course	Not Available	Optional	Optional	Not Available

Student Satisfaction

69%

agreed they were satisfied with the quality of the course

Average Earnings

£29,000

15 months after the course for Mechanical engineering graduates at University of Warwick

Employment

95%

go on to work and / or study within 15 months after the course

+ Student Satisfaction

+ Entry information

+ After 1 year on the course

+ Professional accreditation

Approaches to career decision making



PROSPECTS

[Post a job >](#)[Jobs and work experience](#)[Postgraduate study](#)[Careers advice](#)[Applying for university](#)[Log in](#) [Register](#) 

Engineering and manufacturing

34 job profiles

[Acoustic consultant >](#)[Aerospace engineer >](#)



Thanks for listening!

David Molyneux Senior Careers Consultant

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Alumni Speaker

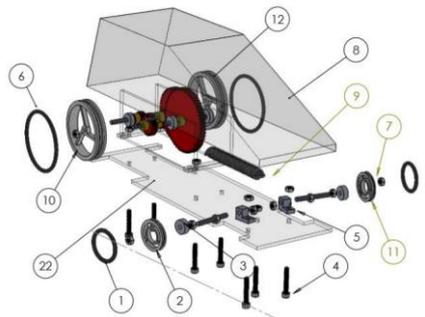
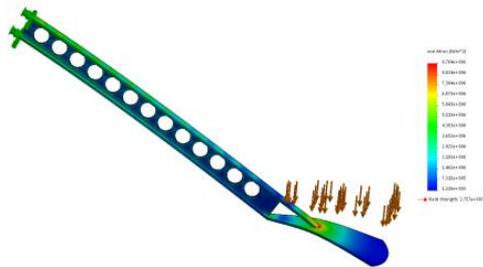
Hemal From Stablspoon

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My Journey Into Engineering (So Far)

HEMAL



Developing an Affordable Self-Stabilising Spoon for People with Hand Tremors

TECHNICAL REPORT



U1629190

12/03/2019, UNIVERSITY OF WARWICK, SCHOOL OF ENGINEERING



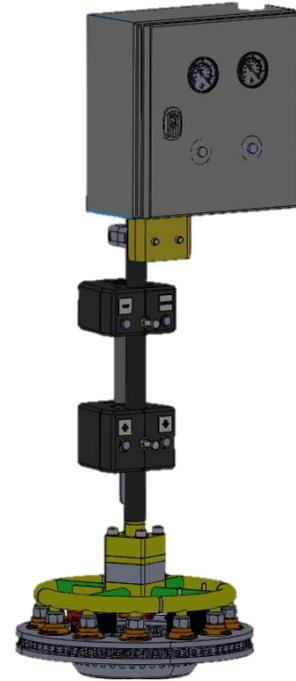


Brake Disk Handler

A machine to weightlessly pick up and manipulate brake disks

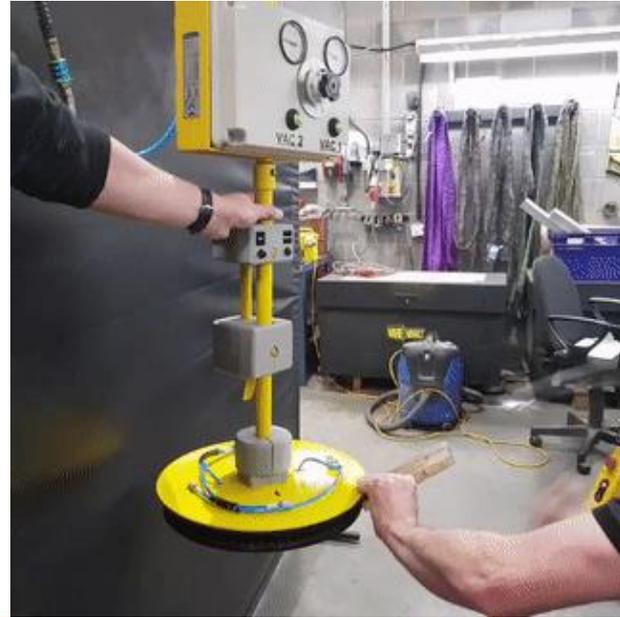
Main requirements:

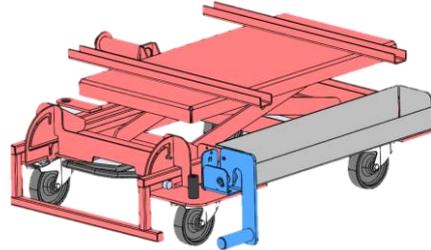
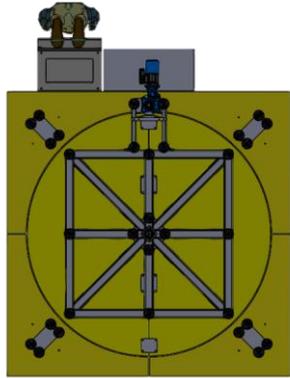
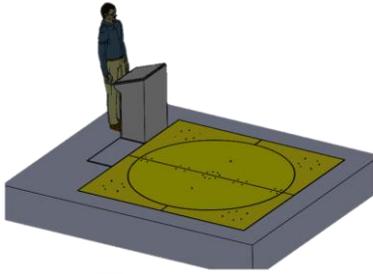
- Carry brake disks weighing up to 40kg with varying sizes.
- Use suction cups rather than a claw to avoid marking the disks.
- Have all pipes carefully routed and hidden to avoid tamper.



Brake Disk Handler

A machine to weightlessly pick up and manipulate brake disks





Competitor

£200



gyeno.com

stablspoon

<£50



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Winner + £60,000 Funding



Finalist



HONORABLE MENTION
2020



Be Excited!





Networking Preparation

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Networking Polls



- How confident do you feel when talking to new people? (1 – Not very confident at all, 5-very confident)
- What would be your biggest concern when networking?
 - 1. Not having anything to say
 - 2. Saying something incorrect or embarrassing
 - 3. Being asked a really tough question
 - 4. Not knowing how to act or what to do
 - 5. Nobody talking to or approaching me
- What is the main reason you'd like to work on your networking skills?
 - 1. Build my confidence, 2. Be able to talk to all different kinds of people, 3. To help with practicing for interviews, 4. To help find future careers, 5. Other

What is networking

- The aim of networking, is to build strong, long-lasting relationships that may be able to help you achieve your goals.
- It's not just in a career or with business people, you can build strong networks with friends, family programmes or sport teams.
- A good networker will invest their time in getting to know people. The more effort you put in, the higher the possibility they will be able to assist you one day
- Networking can take place anywhere...university, school, work experience, family gatherings

Successful Networking

- Optimum networking – 80% listening, 10% asking q's, 10% giving your opinion
- Make a good first impression – 7 second rule!
- Most common non-verbal mistake people make when networking is failed eye contact!
- Effective communication (7% about the words you use, 38% tone of voice, 55% about body language and facial expressions)

Virtual networking

- Virtual networking opportunities may become the new normal ie:
online interviews etc
- Gives you the opportunity to meet people from all across the world
which you wouldn't normally be able to
- Your body language and tone of voice become even more important
- Great transferable skills

How to network

Before:

- Research organisations
- Sign up for opportunities
- Prepare an elevator pitch

During:

- Introduce yourself
- Know what you want to get out of the conversation
- Show who you are, be you
- Be professional
- Ask questions
- Slow down
- Watch 'urms'
- Be yourself
- Smile

After

- Express gratitude
- Stay in touch
- Keep the relationship active

Meaningful Questions

- Tailor your questions to the person you're speaking to, show you've done your research
- It's ok to ask challenging questions, these get people thinking
- Think before speaking
- Stay current – how will they be impacted by current headlines? (Avoid topics such as Brexit, you want to stand out from the crowd)

Example Questions

- What is the company culture like?
- What level of training is given to new staff?
- Are there opportunities for travel?
- What makes your company unique?
- What do they enjoy about working in their role/company?
- How many graduates do you take on a year?
- Are there opportunities to work in different offices/countries/across different teams?



Break
17:45 – 18:00

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Networking session with Professionals

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Your next events

- **Core: Discover Warwick Week** (22nd March – 26th March 2021) – find out what it's like to study Engineering at university and hear from our Degree Apprenticeship Team (**please confirm attendance via email**)
- Work Experience Placements (Fusion during Easter, others TBC)
- **Core:** May-July – range of personal statement sessions to book onto
- Summer Activity – 3 options (Warwick's Sutton Trust Summer School, Sutton Trust's Degree Apprenticeship Summer School, In2Science summer programme)

Evaluation

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Thank you for coming!

Any questions: pathways@warwick.ac.uk



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