



# WHY IT MATTERS...

## MANUFACTURING & PRODUCT DESIGN ENGINEERING



Loughborough University

### Nicole Analise

#### Graduate Engineer

There is engineering in everything!

There are lots of exciting industries and roles you could get into with a Product Design Engineering degree.

For me, it helped me develop not only my technical skills but strongly developed my soft skills as well, which has been incredibly useful in projects at work.

'Crossover' modules within my degree such as software engineering and project management have been useful to build a foundation going into industry as a Professional Engineer. They act as a bridge between pure designers and engineers and work as problem solvers to enable the team to reach the best possible design that can be made into a working product.

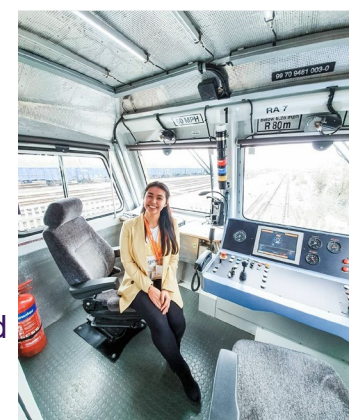


<p><b>Post 16 Education</b></p> <p>AS Level Computing</p> <p>A Levels Maths, Physics &amp; Business Studies</p>	<p><b>Higher Education</b></p> <p>BEng Product Design Engineering, Loughborough University</p>
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### Why did you choose Product Design Engineering?

Since I was little I knew I wanted to make an impact to the world in one way or another. The answer to "When I grow up I want to be..." changed many times, but the answers generally fell under STEM roles. I am both creative and a problem solver, so Product Design Engineering was the best of both worlds.

Product Design Engineering allows you to express your creativity and innovative thinking and compliments it with the theory of how things work and why they work the way they do.





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### Nicole's experience as a student

I chose Loughborough because it had my dream course that encompassed my interests.

Not only does it have excellent engineering facilities, it has awesome sporting facilities too. As a competitive cheerleader it was also my dream to compete with the UK's best university cheerleading team. As a first-team cheerleader I was part of the team that won Grand Champions and National Champions!

Amongst the sporting highlights there were so many opportunities to volunteer and develop my skills that have helped me land a job professionally, such as leadership and coaching.

### Nicole's Career

I am a Graduate Engineer at Siemens Rail Infrastructure. I started with Siemens as part of my placement year and haven't left since! I was offered a graduate job straight after my internship, which is a massive potential perk of doing a placement year as part of a degree.

I am currently working on the Crossrail project, actively contributing to the delivery of the communication and control system for new underground line in London, the Elizabeth line.

Throughout my placements I have also experienced other departments such as bids & tendering, project management, construction, business development and technical field services. I also recently gained my Engineering Technician accreditation with the Institution of Engineering and Technology (IET).

**Nicole's advice:** Everything is figureoutable. What might seem like 'failure' or rejection at the time is often redirection into something better.

It is normal if your interests and passions develop and change as you get older, be open minded and take every opportunity you can to grown and develop yourself.

Don't shape your career around what people think you 'should' do, instead follow something because you are genuinely interested in it.

### Loughborough University offers degrees in

Manufacturing Engineering / Product Design Engineering / Design / Industrial Design / Product Design and Technology

Please note: Degrees and their titles change over time. Some of these graduates may have studied degrees that have evolved and changed in response to changes in demand from employers.