

**EMMA PLATT**

**Installations Aerodynamicist**  
**Rolls-Royce plc,**  
**Derby,**  
**Derbyshire,**  
**UK**

[www.rolls-royce.com](http://www.rolls-royce.com)



**Education and Training**

- M. Eng. (Hons) Aeronautical Eng, University of Limerick, Ireland, 2012
- B. Eng (Hons) Aeronautical Eng, University of Limerick, Ireland, 2011

**Current Position**

<b>Title</b>	<b>Dates</b>	<b>Employer</b>
Installations Aerodynamicist	April 2014 to present	Rolls-Royce plc

**Previous Positions**

<b>Title</b>	<b>Dates</b>	<b>Employer</b>
Professional Excellence Graduate Trainee	Sept 2012 - April 2014	Rolls-Royce plc
Engineering Intern	May 2009 - Jan 2010	EireComposites Teo.

**"Home" Town(s)/County(s)**

Glynsk, Connemara, Co. Galway

**Please describe your current job**

My current job involves using aerodynamic principles and Computational Fluid Dynamics (CFD) methods to model the air flow through large civil turbofan bypass ducts and exhausts. Modelling these flows enables us to determine the theoretical characteristics for various bypass and nozzle designs.

**Please describe your career path since graduating with your M.Eng. Aeronautical Eng.**

I began my career as a Graduate Trainee on Rolls-Royce's Professional Excellence Graduate Scheme. The scheme allowed me to explore various areas of the Company e.g. Project Engineering, British Airways Field Service Officer, Turbine Designer, Composite Fan Manufacturing and more. It was from this graduate scheme that I decided to go onto Installations Aerodynamics.

**What made you choose the M.Eng. Aeronautical Engineering at UL?**

I decided to enrol in the M.Eng course as I knew that it would give me an advantage when it came to applying for Engineering roles. I also knew that it would allow me to expand my knowledge in certain subjects that I enjoyed during my B.Eng i.e. 'Aircraft Stability & Control' and 'CFD'.

**Are you glad you did?**

Absolutely! I found that the M.Eng course gave me the opportunity to explore other Engineering subjects, improve my technical writing skills and gain additional experience in a lab environment.

**What did you most enjoy about studying at UL - academically, and also non-academically?**

I enjoyed the mutual respect that I had with the Engineering Department staff. I felt the relationship with the lecturers and professors was very different from when we were B.Eng students and it really helped us to get the most from each module. I also enjoyed having the UL sports facilities available to me during my Masters. It was important for me to take time outside of academics to focus on my fitness and the UL Arena helped me to achieve that.

**What advice would you give prospective students considering choosing the M.Eng. Aeronautical Engineering at UL?**

My advice to prospective students would be; if you are passionate about Aeronautics & Engineering, you enjoy learning and have high career aspirations, then enrolling in this M.Eng course is definitely for you.

My advice for those who have already decided to enrol in the course is; Go to the lectures, interact with the Engineering staff as much as possible, make sure you take a break from academics every now & then and enjoy your time in University.

**What advice would you give future fresh graduates of the course?**

Start thinking about whether or not you want to go into industry or academia early on in the course. Talk to current PhD students and get their views on the amount of work it takes to complete a PhD. Apply for jobs in industry early on in the course (around October) to give yourself the best choice of jobs and be sure to make full use of the UL Careers Office whilst you're there. Their input was invaluable for putting together my CV.