



## Global Career Opportunities for Biochemical Engineers

### ACADEMIC REPUTATION

UCL is ranked as one of the top ten world universities<sup>1</sup> and as the leading London-based university. Biochemical engineering is one of its highest rated departments, and its academic staff come from seven different countries.

### GLOBAL OUTLOOK

We have a long tradition of welcoming students from all over the world to our pioneering institution for biochemical engineering with its state-of-the-art facilities.

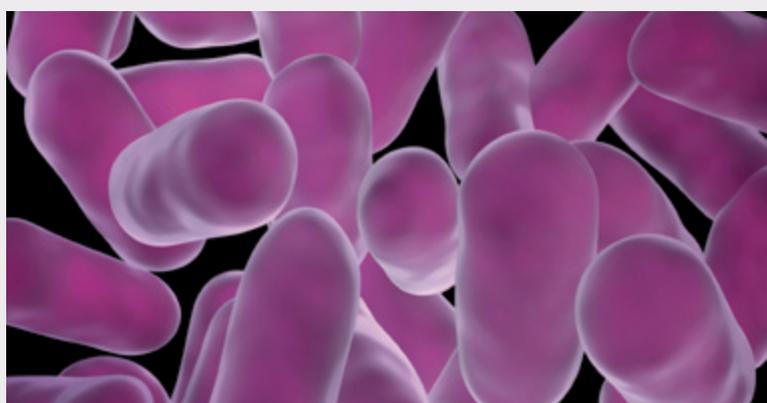
### EXCELLENT & DIVERSE CAREER PROSPECTS

Our graduates are highly sought after by all sectors of the biotech, pharmaceutical, chemical, environment and food industries and also in diverse areas taking advantage of the numerical, IT, business and project management skills acquired on the degree. These include consultancy, management, finance, patent law and scientific journalism.

You can find a list of companies employing biochemical engineers globally on our web site at:

[www.ucl.ac.uk/biochemeng/students/careers](http://www.ucl.ac.uk/biochemeng/students/careers)

1 THES-QS World University Rankings.



Here are just a few examples of the destinations of our graduates who have joined companies and research institutions around the world.

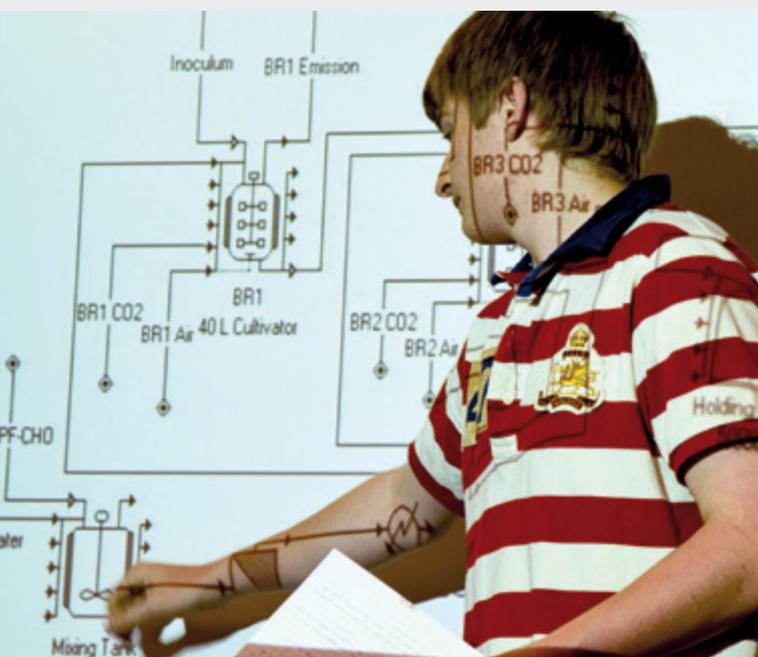
### BIOTECH SECTOR

**Hamza Syed** (2003 – 2008) from the **UK** joined the Technical Leadership Programme at Novartis Vaccines (UK) as a Graduate Process Engineer after completing his MEng degree with an Extra Mural Year at Avecia. He is currently working in the new Flu Vaccine Manufacturing Site in Liverpool.

“*He says 'UCL biochemical engineering was a great stepping-stone for my career in the biotech sector... and the department's impressive industrial links helped me gain an industrial placement at a leading biotech company, Avecia, which was a valuable experience that helped focus me to pursue a career in this field.'*

**Vinita Vishwanarayan** (2002 – 2006) from **India** initially joined QSV Biologics Ltd in Canada as a Bioprocess Specialist and has recently joined the growing biotech sector in India as a Process Engineer at Biocon Ltd. Her job duties include the design, operation and optimization of processes producing both novel medicines and low cost biogenics.

“*She says 'My degree not only equipped me with specialist processing know-how for the biotech industry but also an appreciation of the conceptual design, management and financing of multiple projects.'*



## PHARMACEUTICAL SECTOR

**Gaik Sui Kee** (2001 – 2009) from **Malaysia** followed her MEng with PhD research at UCL in collaboration with Merck on developing processes for future vaccines. She has now joined GSK in the UK.

“**She says** ‘Biochemical engineering gave me the opportunity to study something that is applied, exciting but equally challenging. The department also has excellent networking with industry and academia, through which I spent a summer as an intern at Lonza Biologics and my final year in the USA. The department has excellent laboratory facilities and a pilot plant to boot for cutting-edge research.’

## ENVIRONMENTAL ENGINEERING SECTOR

**Magdalena Hijaz** (2002 – 2006) from the **United Arab Emirates** followed her MEng with an MSc in Environmental Engineering before joining an environmental engineering company in the United Arab Emirates, Eagle Electromechanical Co LLC. She works in a multidisciplinary team designing sustainable biochemical engineering solutions to sewage and wastewater treatment.

“**She says** ‘The microbiological process knowledge gained on my biochemical engineering degree has been invaluable in designing more environmentally-friendly methods for wastewater treatment using bugs.’

## PETROLEUM SECTOR

**Frances Foo** (1994 – 1997) from **Singapore** followed her BEng with an MSc in Computer Science. She now works at ExxonMobil in Texas, USA, as a Global Oil Movement Project Coordinator. Prior to this she worked in Singapore at Schering Plough, a major pharmaceutical company, as a Quality Systems Specialist.

“**She says** ‘The department has its finger on the pulse of the pharmaceutical industry, and imparts technical knowledge and skills that stay relevant many years after graduation.’



## FINANCE SECTOR

**Nikolaus Kontos** (2002 – 2006) from **Greece** is working for Accenture in the Business and Systems Integration consulting division in the UK.

“**He says** ‘The most important skill that I picked up during my degree was learning how to work in teams and analysing problems from a multi-disciplinary point of view (finance, engineering, science) - invaluable skills for my job in consulting.’

## DOCTORATE RESEARCH IN TOP INSTITUTIONS

**Varodom Charoensawan** (2003 – 2006) from **Thailand** followed his BEng with PhD research at the MRC Laboratory of Molecular Biology in Cambridge that focuses on genome and proteome evolution.

“**He says** ‘Being one of the best multidisciplinary degrees around, UCL Biochemical Engineering has opened many doors for me and equipped me with skills ranging from an engineer’s approach to facility design down to a bench scientist’s laboratory techniques. With UCL being situated in the heart of London, you also benefit from a great city at the same time.’

**Iwan Roberts** (2005 – 2009) from the **UK** is an Engineering Doctorate Researcher with Moorfields Eye Hospital and our Regenerative Medicine team at UCL Biochemical Engineering. His research focuses on stem cell processing to treat age-related macular degeneration.

“**He says** ‘UCL Biochemical Engineering is a sociable and friendly department, with lecturers and peers very approachable and keen to help out.’



[www.ucl.ac.uk/biochemeng](http://www.ucl.ac.uk/biochemeng)

“The UCL community conducts excellent research and teaching, but it’s their commitment to applying that excellence to the world’s major problems that make us London’s global university.”

Professor Malcolm Grant, UCL Provost

## FIND OUT MORE

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