



# University College Dublin

Established 1854

## MSc in Food Safety and Risk Analysis



### Why UCD?

- Ireland's leading University
- Ranked within Times Higher Education-QS World University Rankings Top 100 in 2009
- Safe, modern campus in Dublin, capital city of Ireland
- Emphasis on Application of knowledge
- Spans the areas of Agriculture, Veterinary Medicine, Food Safety, Nutrition, Food Law, Consumer Research, Food Science, Food Bio-systems, and Food Production

This is a novel degree specifically tailored for Chinese nationals who are working for or, planning to work, for the regulatory authorities in China or for Chinese food industries exporting to the EU.

The participants will gain a great understanding of all the food safety issues in the modern food chain, become familiar with EU food law and governance of the food chain

in the EU and get a good insight into how EU food industries comply with the regulatory requirements and how the regulatory agencies function.

What makes this masters degree unique is the fact that the students will have placements with industry sectors and the regulatory agencies.

### Why is this course for me?

The objective is to ensure that the graduates of this course, not only have knowledge of the issues and receive an academic qualification but, through their placements, are competent to implement, or oversee, EU regulatory requirements.

### Entry requirements

Appropriate Bachelors level qualification, basic knowledge of food safety, competent in English language

## What will I study?

### Stage 1

Core modules to be taken include the following:

- Food Safety- overview
- Microbial Contamination and Surveillance
- Chemical & Analytical Surveillance of the Food Chain
- Food Quality & Safety Assurance
- Food Process Technology 1
- Risk Assessment and Statistical Process Control
- Risk Management and EU Regulatory Affairs
- Risk Perception and Communication

### Optional modules can be selected from

- Pre harvest food safety, herd health and zoonosis control
- Meat Hygiene and Inspection
- Food safety training of operators
- Genomics of stress resistance during food processing
- Traceability for the modern food industry
- Food Process Technology 2
- Case studies in Chemical Contamination Incidents
- Case studies in Microbial Outbreaks of Food borne disease

- Bench work in laboratory – understanding molecular typing of microbes and rapid diagnostic techniques

### Stage 2

A Thesis will be undertaken, the subject matter arising from activities undertaken whilst:-

- working with the national inspectorate in Ireland
- In one of the contributing research laboratories
- In one of the industry sectors

### Placement choices include:

- Attachment of Irish Food Safety Authority for field work experience
- Attachment to an Irish Municipal Authority for field work experience
- Attachment to Irish Ministry of Agriculture for work experience
- Attachment to Irish Marine Institute
- Attachment to different Irish food industries for work experience
- Attachment to Irish National Communicable Disease Surveillance Centre (HSE)
- Attachment to frontline, reference and research laboratory for any bench scientists interested
- Attachment to Irish Food Safety Promotions Board for those interested

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**Course Directors in Ireland: Professor Francis Butler, Professor Shea Fanning, Professor Alan Reilly, Professor Patrick Wall**

in health and nutrition campaigns and risk communication

- Possibility of attachment to EU Food and Veterinary Office headquarters which is located in Ireland (to be explored)

### Possible visits

- Visit to European Food Safety Authority in Parma
- DG SANCO, Brussels, Belgium
- UK Food Standards Agency

### Start Date

September 6<sup>th</sup> 2010

### Duration

12 months

### Course Fee

In the interest of Chinese/EU relations a special reduced fee of 11,000 euro has been agreed

### Contact in China

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Deputy Secretary-General & Director of International Division  
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### Contacts in Ireland

patrick.wall @ucd.ie  
<http://www.ucd.ie/phps>  
<http://www.nnsc.ie>  
<http://geary.ucd.ie/behaviour/>  
<http://www.ucd.ie/foodandhealth/>

Yi.Bao@ucd.ie  
UCD International Office

### Web addresses of some of the possible work placement sites include:-

- <http://www.fsai.ie/>
- <http://www.agriculture.gov.ie/>
- <http://www.marine.ie/Home/>
- <http://www.safefood.eu/>
- [http://ec.europa.eu/food/fs/inspections/index\\_en.html](http://ec.europa.eu/food/fs/inspections/index_en.html)
- <http://www.efsa.europa.eu/>
- [http://ec.europa.eu/food/index\\_en.htm](http://ec.europa.eu/food/index_en.htm)
- [www.alltech.com/ireland](http://www.alltech.com/ireland)
- [www.kerrygroup.com/](http://www.kerrygroup.com/)
- [www.danone.com/](http://www.danone.com/) (*Numico Wexford*)
- [www.glanbianutritionals.com/](http://www.glanbianutritionals.com/)
- [www.dawnfarms.ie/](http://www.dawnfarms.ie/)

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**Course Directors in China: Chinese Institute of Food Science and Technology**

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