



Queen's University
Belfast

SCHOOL OF
Biological Sciences

We are exceptional

MSc Advanced Food Safety

Study Advanced Food Safety at Queen's

On successful completion of this programme students will have:

- Gained knowledge of current and emerging issues in the field of global food safety
- An increased awareness of the links between food consumption, food safety and human health
- Developed an understanding and awareness of approaches to monitor food safety and protect human health
- Obtained practical experience of relevant techniques key to food safety analysis and monitoring
- Participated in the design and performance of a scientific research project in an area associated with food safety
- The capability to pursue a career in research, industry or other areas of professional scientific employment

"Ensuring safe food is a vital part of securing global food security. The understanding and application of emerging analytical techniques to deliver safer food is an immensely important topic. The Advanced Food Safety Masters programme developed by Queen's University Belfast has evolved from European Commission funded research projects BioCop and CONffIDENCE which will play a key role in delivering this need to young scientists."

Professor Chris Elliott,
BioCop Co-ordinator
Dr Jacob de Jong,
CONffIDENCE
Co-ordinator

A major component of this programme will be the completion of a laboratory based food safety related research project offering the opportunity to gain practical experience in the use of conventional and emerging bioanalytical technology platforms.



BioCop





The Subject

The MSc in Advanced Food Safety programme is a novel course tailored to students who aim to or currently work within the agri-food industry. It will be delivered by research active scientists within the Institute of Agri-Food and Land Use (IAFLU) at Queen's.

The major focus will be on new and emerging issues within the diverse field of food safety and it will concentrate on developments in analytical approaches used to monitor and regulate food safety with the view to protect human health.

Key topics covered will include: food fraud and traceability and the analytical methods used to detect fraud and ensure food safety and authenticity; the links between environmental chemical contaminants and biological hazards present in animal feed and human food - highlighting new emerging technologies that enable rapid and early detection of food safety incidents and diagnosis of animal diseases.

Entry Requirements

Academic:

2.2 Honours degree or above in a relevant area of science or equivalent recognised qualification.

English Language:

Applicants who are non-EEA nationals must satisfy the UK Border Agency (UKBA) immigration requirements for English language for visa purposes, normally by providing evidence of one of the following:

- IELTS* score of 6.5, with not less than 5.5 in any component, or
- TOEFL* score of 92 (Internet-based test) with minimum scores of 21 for Listening, 22 for Reading, 23 for Speaking and 21 for Writing, or
- INTO English for Postgraduate Study/ Pre-sessional score of 65% with not less than 55% in any component, or
- INTO Graduate Diploma English for Academic Purposes score of 60% with not less than 40% in any component

*Taken within the last 2 yrs.

Graduate Prospects

Excellent career opportunities in industry, research or other areas of professional scientific employment will be open to graduates of this course. This will include potential positions within:

- Multi-national agri-food companies
- Food safety regulatory bodies
- Diagnostic research and development laboratories
- Food testing facilities

Graduates will also be equipped with the skills to undertake further postgraduate PhD study in related areas of research.

For more advice regarding the content of these courses contact:

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