

# POSTGRADUATE STUDIES IN BIOSAFETY IN PLANT BIOTECHNOLOGY

60 ECTS CREDITS – LANGUAGE: ENGLISH – DEGREE: POSTGRADUATE CERTIFICATE

## COURSE CONTENT

This international distance e-course is aimed at training scientists and law specialists in biosafety expertise and evaluation. The course offers a solid basis to set up and implement regulatory biosafety frameworks related to plant biotechnology, to assist in the legislation and interpretation of biosafety risk assessment, and to communicate to policymakers.

The course is interdisciplinary, in cooperation with the Faculty of Sciences, the Faculty of Political and Social sciences and the Faculty of Law and Criminology. It is an international programme organised in cooperation with the United Nations Industrial Development Organisation (UNIDO).

The objectives are to provide students with:

- expert information on current and potential future developments in biotechnology;
- expert information on national and international norms and regulations in biotechnology;
- advanced skills to conduct risk assessments;
- apply risk management in biotechnology;
- risk communication skills.

## COURSE STRUCTURE

The programme includes an introductory section on plant biotechnology and its applications for agriculture and industry. The main core covers the basics of risk assessment and regulatory structures, food and feed safety assessment and environmental safety assessment. An overview of national and international regulatory systems and risk assessment and applications is included. The final section deals with risk perception and communication. At the end of the course participants will be able to conduct risk assessments and apply risk management options, while at the same time deal with public policy issues at the interface of science, government, industry, and civil society. The course is given electronically through e-learning. Two on-campus periods are included: one in the beginning of the course at IPBO, Ghent University (BE) and one at the end. Evaluation is carried out throughout the year through interactive discussions, assignments, and written and oral exams during the second on campus session at the end of the course.

## CAREER PERSPECTIVES

The certificate awarded is suitable for individuals engaged as biosafety professionals in government agencies or industry. It is also tailored for individuals with an interest in public policy, legal and ethical aspects of biotechnology.

### > Organising institutions

The course is given in co-operation with the United Nations Industrial Development Organisation (UNIDO) as part of their e-Biosafety network with nodes in Belgium and Italy (the Marche Polytechnic University Ancona).



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## TOELATINGSVOORWAARDEN VOOR HOUDERS VAN EEN VLAAMS DIPLOMA

### Na geschiktheidsonderzoek:

- Ma biologie / Ma Biology
- Ma chemie / Ma Chemistry
- Ma biochemie en de biotechnologie / Ma Biochemistry and Biotechnology
- Ma Bioinformatics, main subject: Bioscience Engineering
- Ma Bioinformatics, main subject: Systems Biology
- Ma bio-ingenieurswetenschappen (alle)
- Ma geneeskunde
- Ma rechten
- Masterdiploma's met een kwalificatie gelijkaardig aan bovenvermelde, niet uitgereikt door de UGent *opleiding(en) oude structuur*:
  - de corresponderende diploma's oude structuur

Er worden per academiejaar ten hoogste 25 studenten tot de opleiding toegelaten. De selectie geschiedt op basis van het curriculum vitae van de kandidaat-student en houdt rekening met de professionele relatie van de student tot aspecten van bioveiligheid.

### TAAL

Je voldoet aan de taalvoorwaarden op basis van je Vlaams diploma.

## PRAKTISCHE INFORMATIE

### Studieprogramma:

<https://studiegids.ugent.be>

> faculteiten > opleidingstypes > ga naar de opleiding van je keuze

### Infomomenten

#### Masterbeurs

[www.ugent.be/masterbeurs](http://www.ugent.be/masterbeurs)

### Studiegeld

Meer informatie vind je op:

[www.ugent.be/studiegeld](http://www.ugent.be/studiegeld)

### Contact

Ghent University - Faculty of Sciences  
Institute of Plant Biotechnology Outreach - dr. Sylvie De Buck  
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[ipbo.vib-ugent.be](http://ipbo.vib-ugent.be)



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## ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

The general admission requirement is that the student must possess a master's degree or an international degree considered equivalent. An applicant wishing to gain admission for a postgraduate on the basis of an international diploma must apply through a specific application procedure.

A maximum of 25 students will be accepted. Selection will take place based on the curriculum vitae of the applicant and will take into account the professional interest in biosafety issues related to biotechnology.

The student should be holder of one of the following diplomas:

- Master in Biology
- Master in Chemistry
- Master in Biochemistry and Biotechnology
- Ma Bioinformatics, main subject: Bioscience Engineering
- Ma Bioinformatics, main subject: Systems Biology
- Master in Bio-engineering Sciences
- Master in Medicine
- Master in Law
- Master's degrees considered equivalent with one of the degrees mentioned above.

## LANGUAGE

More information regarding the required knowledge of English:  
<http://ipbo.vib-ugent.be/training/postgraduate-studies>

## PRACTICAL INFORMATION

### Study programme

[www.ugent.be/coursecatalogue](http://www.ugent.be/coursecatalogue)  
> by Faculty > Programme types > select your programme

### Application deadline

Before the application can be started up, you need to be pre-academically selected by the programme coordinator.  
[ipbo.vib-ugent.be](mailto:ipbo.vib-ugent.be)

### Enrolling institution

Ghent University

### Tuition fee

More information can be found on  
[www.ugent.be/tuitionfee](http://www.ugent.be/tuitionfee)

### Contact

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[ipbo.vib-ugent.be](http://ipbo.vib-ugent.be)

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