

## Master of Science in Plant Biotechnology

# A one year program in Plant Biotechnology for Masters in Life Sciences

at Ghent University



### Studying at the largest Agro-Biotech Campus in Europe

Our training in Plant Biotechnology is embedded in an environment of top science and industrial entrepreneurship where translational research enables the transfer of knowledge from plant models to crops. Ghent University in collaboration with the Flemish Institute for Biotechnology (VIB) has a long standing tradition of converting basic plant science into successful industrial entities: Plant Genetics Systems (now Bayer Cropsciences), CropDesign (now BASF Plant Sciences), Devgen and more recently Solucel. Today, these companies together with our plant research center form the largest European Plant Biotechnology campus. Both our companies and research labs are continuously recruiting talented people for research positions.



### M.Sc. in Plant Biotechnology: Program Overview

The curriculum covers all aspects of modern Plant Biotechnology related to state of the art technologies, plant growth and development, abiotic stress and biotic interactions, IP and safety regulation. Moreover, through elective courses and a substantial Master project, students can specialise in their field of interest. Teaching language is English.



Program topics	Credits
Technologies in Plant Biotechnology	9
Plant Research Technologies	3
Functional Plant Genomics	3
Molecular Plant Breeding	3
From Plant Cell to Plant Growth	9
The Plant Cell	3
Plant Growth and Development	3
Plant Yield	3
Plants as Production System	3
The Plant Factory	3
Plant Interactions	6
Plant Environment Interactions	3
Plant Biotic Interactions	3
Regulations in Plant Biotechnology	3
Plant Biotechnology: Biosafety, IP and Society	3
Elective courses	6
Master project	24

### Application procedure

A Masters degree in Life Sciences and a successful knowledge & motivation interview/test is mandatory. Interested? Contact the program coordinator:

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**Faculty of Sciences**  
**Department of Plant Systems Biology**  
**Technologiepark 927**  
**9052 GENT**  
**Belgium**

Subscription and Course Fee: 1630 EUR  
 Start of the program: 2<sup>nd</sup> week September



For detailed program information, visit  
[www.psb.vib-ugent.be/education/courses](http://www.psb.vib-ugent.be/education/courses)