The Faculty of Bioscience Engineering, established in 1878, focuses on the global challenges our society is facing today: environment, health, food production, water and energy.

In addition to a broad bachelor, the Faculty offers a wide range of master’s programmes for students from all over the world. They deal with plant and animal production; agricultural engineering; (sub)tropical agriculture and natural resources management; agricultural and food economics; soil science; environmental science and technology; land, water and forest management; landscape planning; geomatics engineering; earth observation; catalysis and surface chemistry; food and nutrition; cell and gene technology; human health engineering; bioinformatics and nanoscience and technology.

The various programmes reflect the all-round character of the Faculty and are embedded in the innovative, world-class research that takes place here. This research is carried out in three departments: Earth and Environmental Sciences, Biosystems, and Microbial and Molecular Systems.

The study programmes encompass theoretical knowledge as well as practical training in laboratories and field environments in Belgium and abroad. Our teaching and research activities are supported by several external facilities, including the Centre for Fruit Culture, the Zootechnical Centre, the University Forest and the Greenhouse Facility, which offers both temperate and (sub)tropical environments.

Through our study programmes, we strive to instill leadership, critical thinking skills and a sense of comradery in each of our students. Student representatives actively participate in the daily management of the Faculty, particularly when it comes to questions of education. The Faculty’s student association also organises cultural, sports and other social activities throughout the academic year.

### Study Programmes

#### Bachelor’s programmes (in Dutch)
- Bachelor of Bioscience Engineering

#### Master’s programmes
- Master of Bioscience Engineering (in Dutch):
  - Agricultural Sciences
  - Biomolecular Engineering
  - Biosystems Engineering
  - Catalytic Science and Technology
  - Environmental Technology
  - Food Science and Nutrition
  - Land Management
- Master of Bioscience Engineering: Agro- and Ecosystems Engineering
- Master of Bioinformatics
- Master of Bioscience Engineering: Human Health Engineering
- Master of Food Technology (with Ghent University)
- Master of Molecular Biology (with VUB and Antwerp University)
- Master of Nanoscience, Nanotechnology and Nanoengineering
- Master of Statistics
- Master of Water Resources Engineering (with VUB)
International Orientation

The Faculty of Bioscience Engineering has a long tradition of international collaboration and exchange of both staff and students. Students have a wide array of opportunities to complete part of their curriculum abroad: a semester abroad within the Erasmus+ framework, an internship in an international company, an opportunity to conduct research for their master’s thesis in an international institution, or an international specialisation semester at one of the international partner universities. Thanks to this extensive policy on internationalisation, 40% of the Faculty’s graduates have an international experience during their study programme.

IAAS (www.iaasworld.org), a worldwide network of students in agricultural and related sciences, has its headquarters in our Faculty buildings in Heverlee. Its mission is to promote the exchange of experience, knowledge and ideas and to improve mutual understanding between students in the fields of agricultural and related sciences all over the world.

The Faculty of Bioscience Engineering is a member of:

- **ICA**: Interuniversity Consortium for Agricultural and Related Sciences in Europe (www.ica.ls.com/)
- **Agrinatura**: The European Alliance on Agricultural Knowledge for Development (www.agrinatura.eu/)
- **CEDIA**: European Confederation of Agronomist Associations (www.cedia.eu/)

The Faculty of Bioscience Engineering hosts:

- **Bioversity International** Musa Germplasm Transit Centre (www.bioversityinternational.org/research-portfolio/conservation-use-of-bananas-tree-crops/international-musa-germplasm-transit-centre)
- **ISHS** - International Society for Horticultural Science (www.ishs.org)

**Figures**

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<td>Bachelor's students</td>
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(figures October 2017)