

Botany



What Jobs are available?

Career Prospects

There is a world-wide shortage of botany graduates and so starting salaries are high. Botanists are crucial to and employed in many different careers.

Career options

Our graduates have gone on to do research (e.g. conservation, environmental, pharmaceutical, botanical & molecular/genetics, species discovery), wildlife management, conservation, ecological consultancy, teaching, publishing, IT, business & marketing.

Skills

Botany allows you to develop many transferable skills including experimental design and analysis, knowledge of current scientific techniques (e.g. DNA sequencing), survey techniques, communication, presentation and field-work, teamwork and problem solving.

For more information please view our website or contact us at:

Website: www.tcd.ie/Botany
Facebook: Botany Department Trinity College Dublin
Email: zoobot@tcd.ie
Address: Discipline of Botany
School of Natural Sciences
Trinity College, Dublin 2

Course Advisor: Professor Mike Williams
Email: willism@tcd.ie



School of Natural Sciences Botany



WHY STUDY BOTANY?

To help provide answers to global issues such as:

- Climate change impacts on biodiversity.
- Growing energy crops without compromising food production.
- Meeting the world's increasing demand for food.
- Dealing with the threats of invasive species.
- Reducing greenhouse gas emissions.

Botany Degree



In Botany you will study applied aspects of fundamental science including:

- Global change biology
- Impacts of climate change
- Conservation of biodiversity
- Impacts of alien species
- Exploitation of new natural products, including pharmaceuticals
- Application of molecular genetics
- Exploration of soil-plant relationships
- Energy crops
- Plant evolutionary relationships
- Species discovery

Facilities

Teaching is supported by the laboratories and greenhouses on Campus, the College Botanic Gardens and the world famous Herbarium. All courses are based on active research lines in the Department, and emphasis is placed on your own research project in the final year.

Teaching Programme

The course centres around understanding the living, whole plant: from molecules to cells, to physiological processes, to populations and ecosystems. Field courses are one of the discipline's strengths and all students will get the opportunity to go to the Canary Islands or the Tropics. Previous, field courses have taken place in;

Gran Canaria (The Canary Islands)
Thailand
Kenya



Study Abroad

We have links with a large number of European universities that allow students to undertake some of their studies abroad. Additionally, the Department has strong links with a number of tropical developing countries and opportunities exist to study there.

Current Research at Trinity

Systematics Group

This research group's activities are unique in Ireland and focus on discovering and describing the Earth's plant life, understanding how it evolved and devising conservation measures for it. Our work is split between Ireland and tropical Asia, involves both wild and crop plants and has resulted in the discovery of many species and genera new to science.

Ecology Group

Ecology is all about interactions between organisms and the environment. We research the natural environment and agricultural systems throughout Ireland, Europe and in the tropics. Our research into forest ecology, palaeoecology and pollination informs government policy, maintains biodiversity and facilitates sustainable production.

Ecosystems, Environment & Sustainability Group

Research at TCD focuses on the sustainable management of our resources. This includes management of agricultural systems and their impacts on global warming, links between vegetation and global change and the maintenance of natural ecosystems. This research is conducted throughout Ireland but also across Europe and in America.