

Sustainable Development

Strategy: Education

With 25,000 students studying at TU Delft, the university has a social responsibility to educate these people to become sustainable engineers. For GreenTU, this means that every TU Delft student should have a basic understanding of sustainability, and should be given an opportunity to explore different aspects of sustainability, as well as the opportunity to become an expert in any of the specific domains of technical sustainability.

I. Strategy to achieve Sustainable Education

Each of the three goals set out have their own approach. Over the course of its existence, GreenTU has started exploring different options to (further) incorporate sustainability into the education TU Delft offers, meaning some of the suggestions below are already being implemented.

Basic understanding

For all TU Delft students to obtain a basic understanding of sustainability through their curriculum, the desired course of action includes:

1. integrating sustainability as required elements of the bachelor end project and master thesis;
2. integrating sustainability in existing engineering/design courses in a way relevant to the student and course;
3. the development of new learning objectives or full courses dedicated to societal issues of ethics and sustainability, which could include UN sustainable development goals and the intricate relation between health, food, mobility, energy, political will, and climate change.

Explore sustainability further

To allow students to further enrich their programmes with sustainability, three main opportunities have been identified:

1. introducing an honours programme on sustainability;

2. offering (virtual) exchange programs with other universities on a sustainable topic;
3. and changing the mix of project assignments towards sustainability.

Expert in sustainability

Becoming an expert in sustainability requires extended commitment. By looking at the forms of education which lend themselves to this, the possibilities suggested are:

1. looking into international programmes like InnoEnergy (programme supported by European Union) which brings together premier institutes in Europe to offer master courses related to sustainable energy;
2. setting up special bodies which specifically oversee sustainability-related projects connecting students to companies and professors;
3. promoting coordination with Green Village for masters' theses, which could give students an opportunity to work on real problems;
4. and certainly to encourage faculties to continue supporting and collaborating with their GreenTeams on education in big ways.

II. Online Sustainability Portal

To empower students in pursuing an interest to explore or develop an expertise in sustainability, an online platform is being developed to showcase the currently-existing options. At its most ambitious, this portal could become a destination for information on: courses, minors, honours programmes, projects, thesis topics, career opportunities, events, and news in the field of sustainability. This is currently being realised through the [TU Delft sustainability website](#) and its pages belonging to the [GreenTU website](#).