ELECTIVES AND COACHING

Elective courses
Each Bachelor’s program includes electives to match the program to your interests. These allow you to change the emphasis in your program. You can gain more in-depth knowledge in your own specialization or broaden your knowledge by following courses in a different specialization to develop your overall competence in Sustainable Innovation. In addition to the electives offered by the department, electives may also be taken at other TU/e departments. You will select the electives that best match your learning goals.

Intensive coaching
You’re not on your own while you’re studying at TU/e, experienced coaches help you right through your program with personal advice. That starts from day one, when together with your coach you decide on the right courses to choose in the elective part of your program. That means you define your own study program, to match your own interests and ambitions. And if you discover in your first year that you’d prefer to do a different program, your coach will help you find a way to change during the year. In addition to support from your personal coach, you will be advised by your student counselor and students in later years - they act as mentors to your first-year group, and will help you to make a good start on your studies.

WANT TO KNOW MORE ABOUT SUSTAINABLE INNOVATION?

Core courses Sustainable Innovation
If you choose Sustainable Innovation you’ll combine courses in technology and social sciences. The technology courses are about Sustainable Energy or Urban Planning and Mobility. On average you’ll spend 30% of your time on technology subjects, 50% on social sciences subjects and 20% on research methods. The language of communication of this program will be English.

Your core courses include courses such as mathematics. You’ll gain professional skills like presenting, academic writing, teamworking and organization. These courses will give you the sound basis that you’ll need as an engineer.

First-year courses in the Sustainable Innovation core program

tue.nl/bachelorprograms/si

ELECTIVES AND COACHING

Elective courses
Each Bachelor’s program includes electives to match the program to your interests. These allow you to change the emphasis in your program. You can gain more in-depth knowledge in your own specialization or broaden your knowledge by following courses in a different specialization to develop your overall competence in Sustainable Innovation. In addition to the electives offered by the department, electives may also be taken at other TU/e departments. You will select the electives that best match your learning goals.

Intensive coaching
You’re not on your own while you’re studying at TU/e, experienced coaches help you right through your program with personal advice. That starts from day one, when together with your coach you decide on the right courses to choose in the elective part of your program. That means you define your own study program, to match your own interests and ambitions. And if you discover in your first year that you’d prefer to do a different program, your coach will help you find a way to change during the year. In addition to support from your personal coach, you will be advised by your student counselor and students in later years - they act as mentors to your first-year group, and will help you to make a good start on your studies.

WANT TO KNOW MORE ABOUT SUSTAINABLE INNOVATION?

Core courses Sustainable Innovation
If you choose Sustainable Innovation you’ll combine courses in technology and social sciences. The technology courses are about Sustainable Energy or Urban Planning and Mobility. On average you’ll spend 30% of your time on technology subjects, 50% on social sciences subjects and 20% on research methods. The language of communication of this program will be English.

Your core courses include courses such as mathematics. You’ll gain professional skills like presenting, academic writing, teamworking and organization. These courses will give you the sound basis that you’ll need as an engineer.

Core courses Sustainable Innovation
If you choose Sustainable Innovation you’ll combine courses in technology and social sciences. The technology courses are about Sustainable Energy or Urban Planning and Mobility. On average you’ll spend 30% of your time on technology subjects, 50% on social sciences subjects and 20% on research methods. The language of communication of this program will be English. Your core courses include courses such as mathematics. You’ll gain professional skills like presenting, academic writing, teamworking and organization. These courses will give you the sound basis that you’ll need as an engineer.

No rights may be derived from this publication.

EINDHOVEN UNIVERSITY OF TECHNOLOGY
LEARNING LINES OF SUSTAINABLE INNOVATION

In the first two years of your Sustainable Innovation program, you’ll follow technology courses together with social sciences courses such as economics, transition studies and social studies of science and technology. The obligatory technology courses are in the technical field of innovation policy and innovation management. Important aspects covered include the creation, protection, and distribution of innovations. You’ll learn to apply economic theories to issues in the field of innovation policy and innovation management.

**Sustainable Technology in Society**

This learning line focuses on economic theories relating to innovation. Important aspects covered include the creation, protection, and distribution of innovations. You’ll learn to apply economic theories to issues in the field of innovation policy and innovation management.

**Economics of Innovation**

This learning line focuses on various sustainability assessment methods. It includes statistical analysis and qualitative research methods. You learn how to formulate a research question, which forms of research you can use to answer it, and how to process and interpret the results of a simple research project. You also develop the skills needed to carry out research yourself. This learning line also presents and trains the application of these concepts.

**Specialization courses**

- **Sustainable Energy**
  - This learning line specializes in sustainable innovations in the built environment. The introduction of sustainable innovations challenges spatial choices of urban planning. These courses introduce concepts of spatial planning and mobility. Courses focus on the modelling of spatial and planning aspects of urban environment, transportation, facilities, economy, recreation and tourism, and quality of life. This learning line is taught by the Built Environment department.

- **Urban Planning and Mobility**
  - This learning line addresses the spatial issues in sustainable innovations in the built environment. The introduction of sustainable innovations challenges spatial choices of urban planning. These courses introduce concepts of spatial planning and mobility. Courses focus on the modelling of spatial and planning aspects of the urban environment, transportation, facilities, economy, recreation and tourism, and quality of life. This learning line is taught by the Built Environment department.