TU/e BACHelor COLLEGE

Eindhoven University of Technology (TU/e) combines its bachelor education in the Bachelor College. As a student of the TU/e Bachelor College, you have the freedom to define your study program based on your own interests and ambitions. A large part of your Bachelor's program is made up of your core program, in which you choose the specialized field that you want to work in later as an engineer. This forms the basis of your study program.

Core courses Psychology & Technology
In the Psychology & Technology core, you will combine courses in psychology and technology subjects. The technology courses are in ICT, Living or Robotics. On average, you will spend a third of your time on technology subjects, a third on psychology subjects and a third on research methods and practical assignments.

WANT TO KNOW MORE ABOUT PSYCHOLOGY & TECHNOLOGY?
Study information Psychology & Technology
E-mail: PT.Studyinformation@tue.nl
Website: tue.nl/bachelorprograms/pt
Information days
tue.nl/informationdays
Stay informed about studying at TU/e:
start.tue.nl

No rights may be derived from this publication.

TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY
Specialization courses
During your first quartile you select a specialization (track). Each specialization includes six technical courses to build your expertise. In “Living,” you learn how to blend psychology and technology for healthier environments. “Robotics” delves into sensors and AI operation, emphasizing human collaboration. “ICT” focuses on enhancing ICT system usage. Explore the tracks on our website for details.

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 Psychology & Technology. 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.

Challenge based learning and ITEC (Impact of Technology)
In your bachelor program 33% of the courses will have a challenged based format, i.e., working with real-life cases, developing solutions for clients and working on interdisciplinary challenges. Furthermore, bachelor wide courses on Impact of Technology show you that technology always functions in a broader context. Eindhoven engineers develop technology for users, to contribute to solving relevant societal problems and create economic feasible opportunities.

The Bachelor’s program Psychology & Technology has the following structure:

**FIRST-YEAR COURSES IN THE BACHELOR PSYCHOLOGY & TECHNOLOGY**

In your first year you’ll follow technology courses as well as psychology subjects. These are the first year courses in the Psychology & Technology core:

**Programming for Psychology & Technology**
This course covers the basic principles of object-oriented programming, starting with the theory behind the Java programming language. This theory is then put into practice in writing a number of short programs.

**Social & Environmental Psychology**
Social Psychology is about the thoughts, emotions and behavior of individuals and how these are influenced by the actual, imagined or suggested presence of others. Environmental Psychology explores people’s relationship with the external world. It studies how humans and their environments influence each other. These two topics are highly related to one another, as we cannot detach the human from their environment. In this course, we elaborate on various aspects of daily life and present them through both a social and an environmental lens.

Qualitative Research methods
Qualitative research seeks to examine phenomena not by quantifying their outcomes but by observing and describing them. In this course, you will learn about the most used qualitative methods (for example, ethnographic observations and focus groups) and perform research by collecting qualitative data in naturalistic environments and interpreting them through qualitative analysis methods.

**Brain Body Behaviour**
The brain is the most important, complex, and mysterious biological structure known to man. The brain underpins all our behaviour and experience, whether it is talking, sleeping, seeing, learning, having sex, taking drugs, or listening to music. To uncover the secrets of the brain means to gain a deeper understanding of what it means to be human. In this introductory course, students will become familiar with basic brain function, and its relation to human behaviour and human bodily processes.