An opportunity to study theory while working on real-life challenges with your team

Every semester E³ offers a selection of 10 students from each department the opportunity to engage in a new challenge based learning experience. The program runs parallel to the traditional courses and allows you to meet all the learning objectives (and credits) of the generic engineering courses.

Challenge Based Learning in E³ uses real-world challenges to study and apply generic engineering knowledge.

Examples of challenge topics:
- Non-hackable GPS and Pulsars
- Wind energy storage
- Sustainable light (WLED)
- Workplaces and Soundscapes
- The living cell as material

In the E³ (Eindhoven Engineering Education) program you will be studying the (mandatory) basic engineering courses and USE knowledge in your own place and pace. In small multidisciplinary teams you apply, share and deepen this knowledge while working on solutions to real-life challenges. You will receive coaching from both tutors and experts on the knowledge acquisition as well as the team process.

You will master the same learning goals as the traditional TU/e courses, but at the same time have learned to apply this knowledge. This means you will acquire valuable experience as a researcher, designer and/or entrepreneur.

Let’s keep in touch

Subscribe on the webform in this email. Through the CANVAS page for Calculus you will be provided with more information about specific procedures for Calculus.