



Are you interested to learn in an innovative way, close to practice? Do you want to develop your entrepreneurship within or outside your curriculum? Or do you want to translate your idea into a prototype? Then follow one of the courses or projects at TU/e innovation Space and become part of our vibrant community!



From dream to demo to impact

TU/e
INNOVATION SPACE



In the Art & Tech course, I got to work with a very diverse team of students from different fields like ID, ME, Nuclear Fusion, EE & ICT. We were all challenged by two cool artists/designers who gave us tons of stuff to research, and we even got to visit places like Effenaar, Amsterdam Dance Event and Mojo, and talk to experts. Next to working on some new tech, we were encouraged not to lose sight of our own learning goals and to do a lot of hands-on prototyping and experimentation, which resulted in both a new sync tool for DJs and a smoke machine. Some of us are continuing to work on it with an entertainment company. Who knows, you might see the result at a concert soon ;).

LUNA
ISP student Art & Design

What do a solar camper, an artificial hart and a firefighting drone have in common? They are created by engineers of the future. As an engineer of the future you work on urgent societal matters. Real-world, open-ended challenges from industry, government and society.

These societal challenges are complex and can't be solved by selecting a clever technological solution from a single field. For example, how do we ensure clean, affordable energy? Sufficient housing? Food for all? And how can we age healthily as life expectancy increases?

These challenges require creative solutions based on collaboration and communication. As an engineer of the future you need to be able to pitch your ideas, deal with uncertainty, and work in interdisciplinary teams with an entrepreneurial mindset.

At TU/e innovation Space, we enable students to become the engineers of the future, through Challenge-Based Learning (CBL). You learn by solving real-world challenges with a team of students from different departments.

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TU/e innovation Space
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Photography, Bart van Overbeeke

EDUCATION



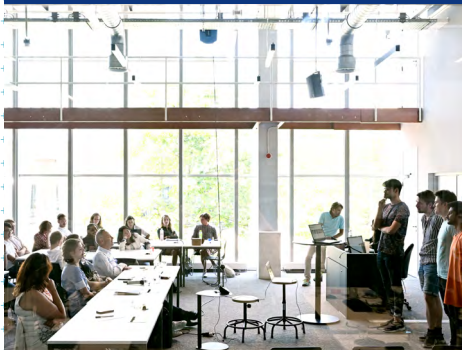
TU/e innovation Space offers two master courses available to all master students from every department. In these courses, you can decide which challenge presented by companies, societal organisations, designers, and artists you want to work on. While doing so, you will experience the opportunity to challenge yourself with real-life projects, gain experience in teamwork, work within an interdisciplinary group, work closely together with professionals and to use the extensive prototyping facilities.

ISP: innovation & entrepreneurship processes (IZM150)

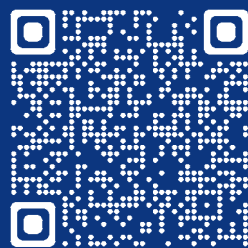
This semester course aims toward CBL in interdisciplinary project teams, working on open-ended assignments in close interaction with high-tech companies and societal organizations. It combines the design and engineering of a product, service or system and new business development. There are no lectures, the course focuses on studio style group work, self-study and personal and team development. Several out-of-the box workshops will be given, like visual thinking, book-a-ton, pitching training, dare-to-fail workshop, and tools workshop. You are in the lead in lead of your learning process.

ISP: innovation through art & design (IZM250)

In this semester course, you choose an open-ended challenge with both technology and design/art aspects. With your interdisciplinary team you determine the goal, resulting in concepts, prototypes and/or products, sometimes to exhibit. You will take tours and receive coaching, workshops and (customized) guest lectures by designers/artists, scientific staff, and other professionals. By learning abstract, conceptual and speculative thinking skills, you will develop competencies to fully operate as an engineer of the future, ready for tomorrow's unimaginable challenges.



For all detailed information about the course's challenges, subscription and timetable. Check:



FACILITIES



At TU/e innovation Space, you can make with your hands what your head comes up with. We have several workshops with modern equipment where you can shape your ideas under supervision or after instruction. We have several labs with 3D printers, robot arms, laser cutters, sawing and painting capabilities, lathes and virtual-reality equipment to further develop your prototypes.



COMMUNITY



At TU/e innovation Space we organize events such as TU/e Contest, where teams of students pitch their innovations for education and business. Next to the opportunities of working on prototypes, networking and personal/professional development, you can participate on competitions and win a sum of money. With this money, teams can take the next step as a start-up company. For members of student teams, we organize workshops with experts from inside and outside TU/e where they can further develop their competencies. Examples include prototyping, marketing and communication, ethics, law and presentation skills.



The TU/e innovation Space Project ensures rapid personal and professional development, no matter if you want to make an impact as an engineer, entrepreneurial engineer, or entrepreneur. It is an amazing opportunity to form a diverse and multidisciplinary team to solve the challenge of a pioneering organization in the Brainport region. The validation that this enables, you do is valuable in determining the technical, commercial, and financial feasibility of your execution of the solution. You can finish this project with your co-founders, a launching customer, and an amazing network that will support your journey towards making an impact on society.

MAURITS OVERMANS
Aristotle Technologies from ISP student to start-up