

# MINOR

## SCIENCE 2 SOCIETY | MODULE 1

### FROM IDEA TO PROTOTYPE

SOLVE A REAL-LIFE CHALLENGE IN A MULTIDISCIPLINARY  
TEAM OF STUDENTS



#### WHAT IS A HTHT MINOR?

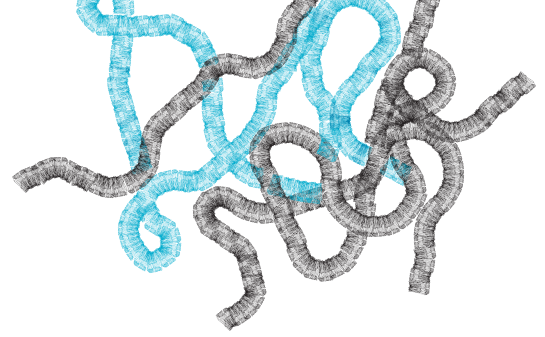
A HTHT-minor fits within the UT profile: High Tech, Human Touch. The minor is offered in English and accessible for both national and international students. The goal of the HTHT-minor is to illuminate specific societal themes for which the UT develops High Tech Human Touch solutions. These solutions are created by conducting high-quality research. Both the form and the content of the minors are High Tech Human Touch (multidisciplinary) and are profiling for the student.

The UT offers most HTHT-minors in a coherent package of 2 (30 EC). There are also HTHT minors of 15 EC that do not belong to a package. You can choose one of these minors and combine this with one minor of a package. If possible, you can even choose 2 minors from different packages.

#### MINOR INFORMATION

Our society is confronted with many challenges in diverse fields. Fortunately, emerging technologies also give us many opportunities to overcome these challenges. New products allow us to feel safe in extremely crowded or remote places, to monitor our health status in real time, to acquire knowledge independent of our physical location or to transfer difficult tasks to intelligent robots. These products, however, are not developed within a single domain. To come up with successful solutions, combined expertise is required from different scientific fields.

Product developers need to be creative and need to apply a wide variety of expertise in radical new ways, while working in a structured, theoretically underpinned and agile manner.



*"I learned a great deal from my peers and from other disciplines"*

#### MINOR SETUP

In two successive modules (two times 10 weeks) the Science 2 Society minor you will just do that. You and your team will come up with a scientifically and practically grounded solution to a societal challenge. A mission impossible? Not at all. You will be amazed at what your team is capable of.

The minor is set up in such a way that you can stop after the first module or the other way around that you step in only at the second module. Although preferable you follow both modules.

In the first module "From Idea to Prototype" you and your team will be introduced to the foundations of different scientific disciplines and skills to assure you and your colleagues can share a common language. Next, you delve into the state-of-the-art of the science behind your theme of choice and look for novel ways of applying your knowledge in a closely guided yet agile design process. You and your team will walk the path from a general idea to one or more scientifically and practically grounded prototype(s) for the challenge at hand.

Your team will have access to state-of-the-art domain knowledge, workshops and process management tools. There will be close interaction with problem owners from the world of business, government or science. A tutor will coach your group, both in managing your project and in acquiring any further knowledge and skills you will need for a successful design.

#### SETTING: UT DESIGNLAB

The stage for the Science 2 Society minor is the UT DesignLab a creative ecosystem where faculty and students from all fields work together with companies and governments on societal design challenges of our times, inspired by the newest scientific insights.

#### WHY SHOULD YOU CHOOSE THIS MINOR?

If you are not afraid of real-life challenges, are open to different scientific viewpoints and believe that the multidisciplinary whole is more than the sum of its parts this minor is the one for you. If you are interested, don't wait too long! The minor is limited to a maximum of 50 students.

#### ADDITIONAL INFORMATION

[www.utwente.nl/science2society](http://www.utwente.nl/science2society)

#### MORE INFORMATION

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For more information about this minor and for general information about minors:  
[www.utwente.nl/minor](http://www.utwente.nl/minor)