

# Cyber Security (Specialisation)

## Coordinator contact information

S.E. Parkin [s.e.parkin@tudelft.nl](mailto:s.e.parkin@tudelft.nl)

If you decide to take this specialisation, or if you want more information, please enroll for the Brightspace community at <https://brightspace-cc.tudelft.nl/course/11465/tpm-msc-specialisation-cyber-security>.

## Description

Our society has become very dependent on IT. We communicate digitally, meet friends in cyberspace, perform e-transactions, control critical infrastructures using IT, act as e-activists, and might even be involved in cyber warfare. Cyberspace is the newest man-made domain, next to land, water, air and space. It offers opportunities and needs to be secured. Cyber security is a vast field covering complex technology (hardware & software), cryptography, data analytics, and governance. The directors of the TPM master programs have adopted a **cyber security specialisation of 15 EC with courses chosen from the larger 4TU.CybSec** computer science master track.

**For the latest information and news please check our website:**

<https://www.4tu.nl/cybsec/en/minor/>

## Job perspectives

Students that follow this specialisation develop an understanding of cyber security challenges from the business and governance perspectives. They are prepared to start a career in the domain of cyber security within larger companies or governmental institutions.

Cyber security has an active community at Delft, and we encourage students to participate. **Please join our mailing list and attend the kick-off event** (information on our website).

## Courses

This specialization includes **three courses, of which at least two of the following:**

- Cyber Risk Management (TPM027a), 5 EC, Q1
- Economics of Cyber Security (TPM020a), 5 EC, Q1
- Introduction to Cloud as infrastructure: the effects of the new business of computing on practice (TPM030a), 5 EC, Q2
- Cyber Crime Science (TPM010a), 5 EC, Q3&4
- User-Centred Security (TPM025a), 5 EC, Q4

The **third course** can be chosen **from the list above, or from the following courses:**

- Security and Cryptography (IN4191), 5 EC, Q1
- Fundamentals of Data Analytics (SEN163A), 5 EC, Q3

*Exception for CoSEM I&C students:* students cannot choose Fundamentals of Data Analytics, as this course is already part of their curriculum.

Important notes:

- In case you have any questions, please first consult the specialization **FAQ** on our website, then contact the coordinator.