# Kick-off
# Master Specialisation Cyber Security

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http://3tu.nl/cybsec

# Agenda

- Introduction to the 3TU.CybSec degree course
- Mini-lecture on risk management
- Presentation of the various courses

Break

- Presentation of alumni-mentors; choose a mentor
- Presentation of the various courses (continued)
- Questions & Answers

# Characteristics of the program

- Risk management

- Technology (2/3) in context (1/3)

- Delft & Twente with contributions from Eindhoven

- 2 year full time program, start 2x per year

- Tele-lecturing + some travel for labs

- 6 core courses, off-site integration week, many electives, final year project.

- Certificate if ≥ 80 EC Cyber Security

- Alumni-mentor program

- Agreed study plan

# Courses (mostly 5 EC)

**Core**
1. NeS: Network security (2x)
2. CCS: Cyber Crime Science
3. Crp: Security and Cryptography
4. SoS: Software Security
5. CRM: Cyber Risk Management
6. CDA: Cyber Data Analytics
7. Integration week (1.5 EC)

**Joint electives**
8. Bio: Biometrics
9. SDM: Secure Data Management
10. PET: Privacy Enhancing Tech.
11. EoS: Economics of Security
12. PDP: Princ. of Data Protection
13. STR: SW testing and Rev.Eng.

**Local Electives**
14. CSM: Cyber Security Mgmnt.
15. SeV: Security Verification (2016)
16. ES4: ES and SCADA Sec.(2016)
17. Ela: E-Law
18. ECS: Ethics&Cyb Sec (TUD,2016)
19. CoE: Computer Ethics (UT)
20. ASA: Applied Security Analysis
21. Q101: Fund. of quant. inf. (4EC)
22. Q201:Quantum Comm&crypto.

**Hopefully soon**
23. DiF: Digital Forensics

(Blue = socio-tech.)

# Advisory board

The ideal graduate:

- is an über technologist

- speaks a second language

- is able to translate strategic questions into technical questions *and* vice versa

- is able to analyse the motives and M.O. of the attacker to anticipate changes in cyber risk

- enjoys solving technical problems *and* is capable of abstract thought.

# Alumni

- Computer and Network security specialist
- Developer
- Digital expert police
- Entrepreneur and Security consultant
- Entrepreneur and developer
- Ethical hacker
- Information security advisor
- Lead Engineer

- Management consultant
- PhD student
- Researcher IT-innovations
- Security & privacy consultant
- Security analyst
- Senior analyst and test consultant
- Software engineer
- Technical consultant

# Actions

- Register at the other university
- Make a draft study plan, see http://www.3tu.nl/cybsec/en/course-program/study-plans/
- Agree your study plan with the program mentor
- Sign up for your courses at both universities
- Sign up with an alumnus-mentor