

Form number 1**Form name**
IST Individual Program Examinations**Enrollment year**
2021/2022**Fill in moment**
At the end of the 3rd quarter of
your studies

Name:

ID number:

Instructions

Please try to fill in the form digitally. In the case you want to change your program and you require permission from the examination committee in advance (e.g. when following courses at another university), note the changes on page five. When you want to change the program for other reasons, please hand in a revised form at the start of your preparation phase with form 2. For more information on the IST program check [the TU/e online education guide](#).

1. On page 1 you find the mandatory courses for the IST program.
2. On the second page please select your IST electives (minimum of three).
3. Additionally, on the third page you need to fill in your free electives (35 ECTS). From this 20 ECTS need to be taken from courses in the department Mathematics & Computer Science. Do you wish to include courses from another university? Please provide links to the course descriptions of these courses (e.g. a link to a course catalogue).
4. On the fourth page you can fill in your homologation courses if applicable and fill in the seminar you wish to include in preparation for your graduation.
5. The representative of the research cluster you intend to graduate in or your Teacher Coach and you have to sign the form on page five.
6. If you need to make changes to a previously approved program please indicate the changes you have made in the text box on page five as well.

IST Mandatory courses

| Course code | Course title | ECTS |
|----------------------|---------------------------------|-----------|
| 2MMC10 | Cryptology | 5 |
| 2IMS25 | Principles of data protection | 5 |
| 2DMI20 | Software security | 5 |
| 2IMS20 | Cyberattacks crime and defenses | 5 |
| 2IMS30 | Advanced Network Security | 5 |
| 2IMC05 or 2MMR05 | Preparation phase | 10 |
| 2ICM00 or 2MMR30 | Graduation project | 30 |
| Subtotal ECTS | | 65 |

IST electives

| Course code | Course title | ECTS |
|----------------------|--------------------------------------|-------------------|
| 2IMS10 | Physical aspects of digital security | |
| 2IMA10 | Advanced Algorithms | |
| 2DMI10 | Applied Cryptography | |
| 2IMS15 | Verification of security protocols | |
| 2DMI00 | Cryptographic protocols | |
| Subtotal ECTS | | <u> </u> |

Free elective courses (20 ECTS must be done in the department Mathematics & Computer Science, 15 ECTS may be chosen from other programs, departments, or universities as well an internship of 15 ECTS may be included here *)

| Course code | Course title | ECTS |
|----------------------|--------------|-------------------|
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| | | |
| Subtotal ECTS | | <u> </u> |

*An internship is optional. Keep in mind, when you do an external internship (e.g. at a company), your graduation project needs to be executed internally (within TU/e), when you do an internal internship you cannot graduate with the same supervisor.

Internship supervisor (if known):

Homologation courses (if applicable) (homologation courses count towards the 35 ECTS in free elective courses)**

| Course code | Course title | ECTS |
|----------------------|--------------|-------|
| | | |
| | | |
| Subtotal ECTS | | _____ |

Seminar

| Course code | Course title | ECTS |
|----------------------|--|-------|
| 2IMD00 | Seminar datamanagement | |
| 2IMF00 | Seminar formal system analysis | |
| 2IMI00 | Seminar Process Analytics | |
| 2IMM00 | Seminar Data Mining | |
| 2IMN00 | Seminar Interconnected Resource-aware Intelligent Systems (IRIS) | |
| 2IMP00 | Seminar software engineering and technology | |
| 2IMU00 | Seminar Uncertainty in AI | |
| 2IMV00 | Seminar visualization | |
| 2IMA00 | Seminar algorithms | |
| 2IMS00 | Seminar Information Security Technology | |
| Subtotal ECTS | | _____ |

**Homologation courses are bachelor courses assigned during the admission process to make up deficiencies in previous knowledge. Please check your admission letter to see if you have homologation courses. It is also possible to pick a maximum of three bachelor courses yourself to compensate deficiencies, if you think it is necessary. If you do that, a motivation for including the self-chosen homologation courses must be attached to this form.

Total number of ECTS (at least 120 credits)

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Agreement student and supervisor

Signature Student:

Date:

Changes to the previously approved program, link to course descriptions of courses followed at another university and/or motivation for self-chosen homologation courses (if applicable):

This form must be sent to the Examination Committee mcs.examination.committee@tue.nl.

If you do not agree with the decision of the Examination Committee, you may submit an appeal via this website within a period of six weeks after the date of this decision.