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

Name:

Intended graduation cluster*

Student number:

Name representative graduation cluster*:

Instructions

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 four. 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 credits). From this 20 credits 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 third 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. If you need to make changes to a previously approved program please indicate the changes you have made in the text box on page four as well.

IST Mandatory courses

Course code	Course title	Credits
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 Credits	**65**

IST electives

Course code	Course title	Credits
2IMS10	Physical aspects of digital security	
2IMA10	Advanced Algorithms	
2DMI10	Applied Cryptography	
2IMS15	Verification of security protocols	
2DMI00	Cryptographic protocols	
2IMS40	Intrusion Detection Laboratory	
	Subtotal Credits	

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

Course code	Course title	Credits
	Subtotal Credits	

*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 credits in free elective courses)

Course code	Course title	Credits
	Subtotal Credits	

Seminar

Course code	Course title	Credits
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 Credits	

**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 credits (at least 120 credits**)**

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 section is to be completed by the Examination Committee

Approval Examination Committee: Date: