

**CSE Study Program Approval Form
(enrollment academic year 2020-2021)**

Name:

ID-Number:

TU/e email address:

Month and year of enrolment:

Graduation supervisor*:

Graduation cluster:

*Please fill in in the name of your Teacher Coach in case your graduation supervisor is unknown.

Instructions

The purpose of this form is to gain approval of your master study program. Please try to fill in the form via Adobe/digitally. In case of changes, please fill in a new form, sign it and note the changes on page four. For more information on the CSE program check [the TU/e online education guide](#).

1. On the first page, please fill in the course code of the seminar you want to follow.
2. On the second page, you can pick the stream you are following (software science, web science or systems science). Under your chosen stream, please select the electives you intend to take. If you wish to follow more stream electives than required, you can select them in this table as well. They will count as free electives. Please fill in the subtotal of ects under the stream elective table.
3. On the third page you need to fill in your homologation courses (if applicable) and free electives. Please fill in the total number of ects of your study program at the bottom of the page.
4. On the fourth page your graduation supervisor or representative from (planned) graduation group and you can sign the form. Additionally, you can list changes to a previously approved program. Are you following courses at another university? Please provide links to the course description of these courses (f.e. a link to a course catalogue).

CSE Mandatory Courses

Course code	Course title	ects
2IMA10	Advanced Algorithms	5
	Seminar	5
2IMC00	Graduation Project	30
Subtotal ects		40

Expected start date graduation project:

CSE Study Program Approval Form (enrollment academic year 2020-2021)

Software Science

Stream mandatory courses

Course code	Course title	ects
2IMP10	Program verification techniques	5
2IMP25	Software evolution	5
2IMD10	Engineering Data-Intensive Systems	5
Subtotal ects		15

Stream electives (choose at least 25 credits)

	Course code	Course title	ects
<input type="checkbox"/>	2IMA20	Algorithms for geographic data	5
<input type="checkbox"/>	2AMM20	Foundations of data mining	5
<input type="checkbox"/>	2AMI10	Foundations of process mining	5
<input type="checkbox"/>	2IMP20	Generic language technology	5
<input type="checkbox"/>	2IMF15	Proving with computer assistance	5
<input type="checkbox"/>	2AMD15	Big Data Management	5
<input type="checkbox"/>	2IMF10	Process algebra	5
<input type="checkbox"/>	2IMV15	Simulation in computer graphics	5
<input type="checkbox"/>	2IMA15	Geometric algorithms	5
<input type="checkbox"/>	SFC640	Academic writing	5
Subtotal ects			

Web Science

Stream mandatory courses

Course code	Course title	ects
2AMM20	Foundations of data mining	5
2IMV20	Visualization	5
2AMM10	Deep learning	5
2AMD15	Big Data Management	5
Subtotal ects		20

Stream electives (choose at least 20 credits)

	Course code	Course title	ects
<input type="checkbox"/>	2IMV25	Interactive virtual environments	5
<input type="checkbox"/>	2IMS25	Principles of data protection	5
<input type="checkbox"/>	2IMS20	Cyberattacks Crime and Defenses	5
<input type="checkbox"/>	2AMM15	Machine Learning Engineering	5
<input type="checkbox"/>	2MMD30	Graphs and algorithms	5
<input type="checkbox"/>	2IMV10	Visual computing project	5
<input type="checkbox"/>	0EM190	Infonomics	5
<input type="checkbox"/>	SFC640	Academic writing	5
Subtotal ects			

Systems Science

Stream mandatory courses

Course code	Course title	ects
2IMF30	System validation	5
2IMF25	Automated reasoning	5
2IMN15	Internet of Things	5
2IMN20	Real-time systems	5
Subtotal ects		20

Stream electives (choose at least 20 credits)

	Course code	Course title	ects
<input type="checkbox"/>	2IMN10	Architecture of distributed systems	5
<input type="checkbox"/>	2IMN25	Quantitative evaluation of embedded systems	5
<input type="checkbox"/>	2IMF35	Algorithms for model checking	5
<input type="checkbox"/>	2IMS15	Verification of security protocols	5
<input type="checkbox"/>	2IMD10	Engineering Data Systems	5
<input type="checkbox"/>	2IMN35	VLSI Programming	5
<input type="checkbox"/>	2IMP30	System design engineering	5
<input type="checkbox"/>	SFC640	Academic writing	5
Subtotal ects			

CSE Study Program Approval Form (enrollment academic year 2020-2021)

Homologation courses*

Course code	Course title	ects
Subtotal ects		

Free elective courses

	Course code	Course title	ects
<input type="checkbox"/>	2IMC10	Internship**	15
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.

**An internship is optional. Keep in mind, when your graduation project will be done at the same company as your internship project, you need to include a description of the differences between the internship project and the graduation project when submitting your graduation plan.

Internship supervisor (if known):

Total amount of ects (at least 120 ects)

CSE Study Program Approval Form (enrollment academic year 2020-2021)

Agreement student and supervisor

Signature Student:

Date:

Name of graduation supervisor or representative from (planned) graduation group:

Signature:

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 handed in at the Student Administration (MF 3.091) or can be send to CSA.MCS@tue.nl .

If you do not agree with the decision of the Examination Committee, you may submit an appeal via [this webpage](#) within a period of six weeks after the date of this decision.

This section to be filled in by the examination committee

Approval Examinations Committee:

Date: