IAM Study Program Approval Form (enrollment academic year 2021-2022)

Student name:

Mentor:

Intended graduation group*:

Preference 1

ID- number:

Month and year of enrollment IAM:

Preference 2

*This field is required. If this is yet unknown, you will not be guaranteed a secure spot in your preferred group when you want to choose a supervisor.

Instruction:

1. **Student** should fill in the form carefully
2. Student's **mentor** should sign the form and submit this form digitally to the Student Administration (mcs.csa@tue.nl).
3. After the **student** has received the approval from examination committee, (s)he should continue with the Graduation checklist (The next step is submitting the graduation plan)

*If you want to change a previously approved study program, please fill in a new form, sign it and note the changes.
*If you do not agree with the decision of the examination committee, you may submit an appeal here.
*The IAM Program and Examination Regulations are available here.

Course totals

Study program component	Credits
Core courses excl. PP (at least 20 credits)	
Special electives	
Subtotal (at least 55 credits)	
2MMR10 Professional Portfolio (compulsory)	**5**
Free electives (includes internship if applicable)	
Graduation Final Project	**30**
Total amount of credits (at least 120 credits)	

Core electives

Select at least 4 out of 6 courses.

	Course code	Course title	Credits
	2MMA10	Applied Functional Analysis	5
	2MMC10	Cryptology	5
	2MMD10	Optimization	5
	2MMN10	Scientific Computing	5
	2MMS10	Probability and Stochastics 1	5
	2MMS90	Sequential and Nonparametric Statistics	5
		Subtotal	

Special electives

Add Mastermath courses to this list if applicable.

	Course code	Course title	credits
	2DMI00	Cryptographic Protocols	5
	2DMI10	Applied Cryptography	5
	2IMA10	Advanced Algorithms	5
	2IMA25	Exact Algorithms for NP-hard Problems	5
	2MMA20	Partial Differential Equations	5
	2MMA40	Evolution Equations	5
	2MMA70	Differential Geometry for Image Processing	5
	2MMA80	Mathematics of neural networks	5
	2MMD20	Multilinear Algebra and Applications	5
	2MMD30	Graphs and Algorithms	5
	2MMD40	Integer Programming	5
	2MMD50	Algebraic Combinations	5
	2MMN20	Scientific Programming	5
	2MMN30	Scientific Computing in PDE	5
	2MMN40	Introduction to Molecular Modeling and Simulation	5
	2MMR40	Research Topic 1	5
	2MMR50	Research Topic 2	5
	2MMR60	Research Topic 3	5
	2MMS20	Statistics for Big Data	5
	2MMS30	Probability and Stochastics 2	5
	2MMS40	Stochastic Networks	5
	2MMS50	Stochastic Decision Theory	5
	2MMS60	Random Graphs	5
	2MMS80	Statistical Learning Theory	5
	5LMA0	Model Reduction	5
	EME35	Learning on the Job 4	5
	EME40	Practical Educational Research (workshops)	2.5
	EME41	Practical Educational Research (project)	7.5
		Subtotal	

Free electives

Master level courses, homologation courses (if applicable), and internship (if applicable).

	Course code	Course title	Credits
	2MMR20	Internship	15
	SFC640	Academic Writing	5
		Subtotal	

Additional information

1) List all homologation courses, if any, that you are required to take (this is determined and communicated by the Exam Committee before you may begin a study program).

Course code	Course Name	Further Information/Comments

2) List all *bachelor* courses in the proposed study program. Argue that each course is necessary by indicating a master level elective course or project from the study program for which this bachelor course gives necessary pre-knowledge.

course code	Bachelor Course	course code	Master level Course/Project

2) This form updates a previously approved study program: Yes

(If yes, please list below)

Changes to previously approved study program :

Signature of Student

Signature: Date:

Approval of Mentor

☐ I have verified that there is no significant overlap between the subject matter of the various parts of this study program.

Name:

Signature: Date:

Approval of the Examination Committee

☐ Approved by the secretary on behalf of the Examination Committee

Signature: Date: