

# IAM Study Program Approval Form (enrollment academic year 2022 & after)

Student name:

ID- number:

Mentor:

Month and year of enrollment IAM:

Intended graduation group\*:

Preference 1

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 Examination Committee (mcs.examination.committee@tue.nl).
3. After the **student** has received the approval from the 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
<b>Core courses excl. PP (at least 20 credits)</b>	
<b>Special electives</b>	
<b>Subtotal (at least 55 credits)</b>	
<b>2MMR10 Professional Portfolio (compulsory)</b>	<b>5</b>
<b>Free electives (includes internship if applicable)</b>	
<b>Graduation Final Project</b>	<b>30</b>
<b>Total amount of credits (at least 120 credits)</b>	

**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
	<b>Subtotal</b>		

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## Special electives

Add Mastermath courses to this list if applicable.

	Course Code	Course Name	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
		<b>Subtotal</b>	

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## Free electives

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

	Course Code	Course Name	Credits
	2MMR20	Internship	15
	SFC640	Academic Writing	5
		<b>Subtotal</b>	

## Additional information

- 1) List all homologation courses, if any, that you are required to take (this is determined and communicated by the Admission 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

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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: