Karlsruhe Institute of Technology

Form to Verify the Admission Requirements for the
Computational and Data Science Master of Science (M.Sc.) at KIT[1]

Check the Guidance Sheet providing instructions and additional information on completing the form (see Appendix).

Personal Data

Given Name: _____ Surname: _____

Date of Birth: _____ Nationality: _____

Qualifying Bachelor's Degree

I received a Bachelor's degree in Computational and Data Science from KIT.

Please check, if the condition is met. **If not (only then), please fill in the rest of the form.**

Name of Qualifying Bachelor's program: _____

Name of University: _____ Final Grade (in your study system):

_____ _____

Country of University: _____

Your Bachelor's degree standard period of study (full-time in years): _____

Your Bachelor's degree standard amount of credit points (in your study system): _____

In Europe we use standardized ECTS credit points (ECTS = European Credit Transfer System).[2] Are the credit points (CP) for your Bachelor's degree equivalent to ECTS? ☐ yes ☐ no.

If 'no', how many CP in your study system correspond to 1 ECTS?[2] _____ CP per 1 ECTS.

Your **pre-qualification in the Section "Sciences, Engineering, Economics"**[3] is from the applied discipline:

☐ Business and Economics	☐ Computational Chemistry
☐ Computational Earth System Sciences	☐ Computational Mechanics and Thermodynamics
☐ Computational Physics	☐ Electrical Engineering and Information Technology
☐ Process Engineering	☐ Robotics and Autonomous Systems

Applicants must provide documented proof of

- A **Bachelor's thesis** (at least 6 ECTS) and **Mathematical Foundation** (at least 20 ECTS)
- Knowledge in the three fields **Mathematics for Computational and Data Science** and **Computer Science** and an **Applied Discipline from Sciences, Engineering or Economics** (at least 40 ECTS in one of these three fields plus at least 12 ECTS in each of the two remaining fields).[4]

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Section "Bachelor's Thesis"[5] (*Bachelorarbeit* in German)
- *at least equivalent to 6 ECTS*

Title of Bachelor's Thesis: "_____
_____".

The Bachelor's thesis was written at the Department of _____

at (University Name) _____

in (Country) _____ .

The thesis is worth _____ credit points (local points/ in your study system).

It is listed in the Transcript of Records as (title/name of entry) "_____".

It is listed as course no. _____ on page no. _____ of the module handbook.[6]

Other types of theses or diploma that might be considered instead[7]:
- *fill in only, if you have no Bachelor's thesis*

Type of thesis/ diploma: _____ Title: "_____
_____"

Provide detailed information as described in the Guidance Sheet / Appendix[8]:

_____

_____

_____

Provide a reference to the respective entry in your Transcript of Records and module handbook[6] or equivalent documents of proof[9] _____

Section „Mathematical Foundation" (*Mathematische Grundstrukturen* in German)
- *at least equivalent to 20 credit points (ECTS); provide local points (from your study system) in the table*
- *for guidance with the table categories, see Guidance Sheet*[10]

In this Section, list courses in Analysis/Calculus and Linear Algebra.

Please note: Special courses on focused topics, courses on probability theory / statistics, numerical mathematics, etc. shall be listed in the Section "Mathematics for Computational and Data Science/ Applied Mathematics" (see page 3).

Course Number[10]	**Course Name**[10]	**CP**[10]	**Page in Module Handbook**[6, 10]
		Total:	

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In which field/subject do you have the greatest prior knowledge (in terms of CP)?

☐ Mathematics for CDS/Applied Maths ☐ Computer Science ☐ Sciences, Engineering, Economics

In the selected field/ Section, provide proof of courses equivalent to at least 40 credit points (ECTS).
In each of the other Sections, provide proof of courses equivalent to at least 12 credit points (ECTS).

Section "Mathematics for Computational and Data Science/ Applied Mathematics"

- *at least equivalent to either 40 or 12 credit points (ECTS); provide local points (from your study system) in the table*
- *for guidance with the table categories, see Guidance Sheet*[10]

Course Number[10]	Course Name[10]	CP[10]	Page in Module Handbook[6, 10]
	.		
		Total:	

Section "Computer Science"

- *at least equivalent to either 40 or 12 credit points (ECTS); provide local points (from your study system) in the table*
- *for guidance with the table categories, see Guidance Sheet*[10]

Course Number[10]	Course Name[10]	CP[10]	Page in Module Handbook[6, 10]

Please continue on next page.

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Table "Computer Science" (continued)

		Total:	

Section "Sciences, Engineering, Economics"

- *at least equivalent to either 40 or 12 credit points (ECTS); provide local points (from your study system) in the table*
- *for guidance with the table categories, see Guidance Sheet*[10]

Course Number[10]	**Course Name**[10]	**CP**[10]	**Page in Module Handbook**[6, 10]
		Total:	

Additional Information (optional)[11]

- *If necessary, provide further details to clarify the entries you have made in this form.*

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