

Mentor approval of the major subjects

Specialisation: Visual Computing

Student Name, First Name:

Matr-No.:

Mentor Name, First Name: Kolb, Andreas

Consecutive Number:

Please enter under "consecutive number" whether this is your first, second, etc. mentor approval. For the **first mentor approval**, please use **only the left column** ("Elected"). For **change requests**, please fill in **all columns**, indicating the **current assignment** in the left column and the **desired changes** in the following two columns.

You have to choose a total of 20 CP in core subjects and 45 CP in specialisation subjects. Mandatory subjects are **not** listed. Subjects, which must be taken in any case, are already marked with a cross. The subjects can only be approved together with the mentor. The approved subjects are binding.

Core subjects			Fill every time	Only for change requests	
Subject	Semester	CP	Elected ¹	To remove ²	To add ³
Algorithmics I	Winter	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer Graphics II (must be selected if not already taken in the Bachelor studies)	Winter	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Database Systems II (in German)	Summer	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Embedded Systems	Summer	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Logic II	Summer	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parallel Processing	Winter	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer Architecture II	Winter	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer Networks II (in German)	Summer	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Software Engineering II (in German)	Summer	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Amount of chosen core subjects: **CP (Nominal amount: 20 CP)**

- 1 For the **first approval**, tick **all** the modules you wish to select here. For **consecutive applications for changes**, please tick **all** the modules for which you have **previously** had a mentor's approval.
- 2 Please tick all modules you want to **remove** now. Please note that you **cannot** remove modules for which you have already taken part in an exam!
- 3 Please tick all modules you want to have **newly** approved now.

Specialisation subjects (In total: 45 CP)

Subject	Semester	CP	Fill every time	Only for change requests	
			Elected	To remove	To add
Client/Server Programmierung (in German)	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
Computational Imaging (4ETMA250)	Winter	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer Graphics III	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
new: Rendering (4INFMA200)	Summer⁴	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer Graphics IV	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
new: GPU Programming (4INFMA201)	Winter⁵	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer Assisted Working and Learning (in German)		6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Convex Optimization for Computer Vision	---	10	<input type="checkbox"/>	<input type="checkbox"/>	-
new: Convex Optimization for Computer Vision (4INFMA206)	Summer	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Digital Image Processing II (in German)	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
Distributed Systems (up to and incl. Summer 2022)	Summer	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
starting Winter 23/24: Distributed Systems (4INFBA303)	Winter	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deep Learning	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
new: Deep Learning (4INFMA204)	Winter	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Introduction to Compressive Sensing (4ETMA257)	Winter	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Machine Vision	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
new: Machine Vision (4INFMA208)	Summer	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Numerical Methods for Visual Computing (*)	---	5	<input type="radio"/>	<input type="checkbox"/>	-
new: Numerical Methods for Visual Computing (*) (4INFMA207)	Winter	6	<input type="radio"/>	-	<input type="checkbox"/>
Pattern Recognition	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
Recent Advances in Machine Learning	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
new: Recent Advances in Machine Learning (4INFMA205)	Summer	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scientific Visualization	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
new: Scientific Visualization (4INFMA202)	Winter	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Statistical Learning Theory	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
new: Statistical Learning Theory (4INFMA203)	Summer	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ubiquitous Computing	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
new: Ubiquitous Computing (4INFMA305)	each	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Variational Methods for Computer Vision	---	10	<input type="checkbox"/>	<input type="checkbox"/>	-

4 up to and including summer term 2023, starting winter term 23/24 each winter

5 up to and including winter term 22/23, starting summer term 2024 each summer

Virtual Reality	---	5	<input type="checkbox"/>	<input type="checkbox"/>	-
new: Virtual Reality (4INFMA210)	Summer	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(*) Exactly one of these variants must be chosen!

Amount of chosen specialization subjects: CP (Nominal amount: 45 CP)

The target scope of 45 CPs may not be exceeded more than absolutely necessary. The CPs of the lowest graded module that exceed the target scope are automatically booked by the examination office as voluntary additional credits. If you wish a different booking, please inform the examination office **in advance!**

Remarks:

City, Date

Signature of mentor

Signature of the student

Signature of EC-Chairman