Overview of measures – completed measures

As of 26.11.2025, revised and expanded by the small quality round (QR 2-3.2) and the quality round (QR 2-3.3)

ID QR	Quality criterion Sub-criterion	Description	Measure	Responsibility Deadline Progress of implementation Evaluation
INF20201-1 20202 QR 1-1	1. Didaktisches Konzept (Didactic concept) 1.1.1 Wissenschaftliche Befähigung und fachwissenschaftliche Kompetenz (Research proficiency and subject-specific expertise)	***Concept for Modernizing the Foundational Mathematics Curriculum*** In the B.Sc. in Applied Computer Science programme, students must complete 36 credits of required modules covering the fundamentals of computer science, with two modules (18 credits) scheduled for the first semester. The total number of required credits is to be reduced. In the first semester, students will take only one mathematics module. This opportunity should be used to review the content of the modules and adjust them as necessary.	Development of a plan to modernize mathematics education with the goal of reducing the number of required credits to 27 and adapting the content of the modules to the current requirements of computer science degree programs.	Prof. Dr. Bernhard Schmitzer SoSe 2024 green Evaluation by QR 2-3.3
INF20241-8 20242 QM 2-1	1. Didaktisches Konzept (Didactic concept) 1.1.1 Wissenschaftliche Befähigung und fachwissenschaftliche Kompetenz (Research proficiency and subject-specific expertise)	***Modernizing the Foundational Mathematics Curriculum*** See measure INF20201-1	Implementation of the plan outlined in measure INF20201-1	Prof. Dr. Bernhard Schmitzer WiSe 2027/28 green Evaluation by QR 2-3.3

ID QR	Quality criterion Sub-criterion	Description	Measure	Responsibility Deadline Progress of implementation Evaluation
INF20241-7 20241 QM 2-1	2. Studierbarkeit (studyability) 2.3 Studienberatung (Student advisory service)	***Concept Mentoring Model*** The M.Sc. in Applied Computer Science program includes a mentoring model. However, the procedure specified in the PStO is not followed in practice.	Development of a concept for revising the mentoring model (Applied Computer Science, M.Sc.). 1. Initiate a discussion with faculty members and the Student Council (especially Data Science) to determine whether an automatic (centralized) assignment of students to mentors is appropriate. 2. Examine whether research assistants (e.g., doctoral candidates) can also serve as mentors. 3. Examine how the results can be incorporated into an amendment to the Study Regulations (PStO).	Office of Student Affairs WiSe 2025/26 green Evaluation by QR 2-3.3
INF20252-13 20252 QM 2-3	2. Studierbarkeit (studyability) 2.3 Studienberatung (Student advisory service)	***Mentoring Model*** See measure INF20241-7	Implementation of the plan outlined in measure INF20241-7	Office of Student Affairs WiSe 2025/26 green Evaluation by QR 2-3.3
INF20241-1 20241 QM 2-1	2. Studierbarkeit (studyability) 2.1 Studienorientierungsangebote (study-orientation offers)	***Minimizing overlapping exams/tests for students*** When scheduling exam dates, care should be taken to ensure that, whenever possible, multiple exams do not take place on the same day, so that students can take all of their exams.	Conflicts between exams for required and elective courses in the first semesters of the bachelor's program should be avoided. A tool (schedule checker/database/eCampus) will be created to enable instructors to identify and avoid such conflicts.	Office of Student Affairs WiSe 2024/25 green Evaluation by QR 2-3.3

ID QR	Quality criterion Sub-criterion	Description	Measure	Responsibility Deadline Progress of implementation Evaluation
INF20241-2 20241 QM 2-1	1. Didaktisches Konzept (Didactic concept) 1.1.1 Wissenschaftliche Befähigung und fachwissenschaftliche Kompetenz (Research proficiency and subject-specific expertise)	***Concept for the "Science" Module in the Bachelor's Program – Reading and Discussing Papers*** While students acquire many of the fundamentals of computer science during their B.Sc. programs, they lack training in working with scientific articles, which is essential for writing their final thesis. Other departments already offer courses or seminars in which students read, understand, and discuss papers in groups; see, for example, "Management of the Information Economy" in Business Informatics. In that seminar, several papers are reviewed through group work. Furthermore, there is a lack of insight into computer science as a scientific discipline, how to approach research projects, and what current developments in computer science look like.	Development of a concept, including pros and cons, for research-oriented teaching. 1. Participation in a companion seminar for thesis projects should become mandatory for students in the B.Sc. programs. 2. Instructors of seminars in the B.Sc. programs should ensure that their seminars include an introduction to working with scientific publications, with a focus on new developments in computer science. 3. examine whether and how this can/should be implemented into the Computer Science (2 subject) programme. 4. Thesis advisors should take this into account and inform students accordingly.	Office of Student Affairs SoSe 2025 blue new measures: - INF20252-10 → 1.+4. - INF20252-11 → 3. - INF20252-12 → 2. Evaluation by QR 2-3.3
INF20252-10 20252 QM 2-3	1. Didaktisches Konzept (Didactic concept) 1.1.1 Wissenschaftliche Befähigung und fachwissenschaftliche Kompetenz (Research proficiency and subject-specific expertise)	***Exposure to "Science" in the Bachelor's Programme – Reading and Discussing Papers - Bachelor's Degree Module*** See Course INF20241-2	Implementation of part of the plan outlined in measure INF20241-2 Participation in a companion seminar for final theses (Bachelor's degree module) is to become mandatory for students in the B.Sc. programmes.	Office of Student Affairs WiSe 2025/26 green Evaluation by QR 2-3.3

ID QR	Quality criterion Sub-criterion	Description	Measure	Responsibility Deadline Progress of implementation Evaluation
INF20241-3 20241 QM 2-1	2. Studierbarkeit (studyability) 2.1 Studienorientierungsangebote (study-orientation offers)	***Double Load in the 2nd Semester of the B.Sc. in Applied Computer Science*** The project phase of “B.Inf.1802: Training in Programming” and the first session of “B.Mat.0802: Mathematics for Computer Science II” are only a few days apart. The deadline for the B.Inf.1802 project is usually the first day of the break between semesters. Consequently, there is very little time to prepare for the B.Mat.0802 exam. As a result, students often opt for the second exam date.	Reduce the double workload in the 2nd semester of the B.Sc. in Applied Computer Science. 1. Enter the APP project phase into the exam schedule (see INF20241-1) to facilitate better coordination. 2. Consult with the Mathematics teaching unit; goal: The exam for B.Mat.0802 should not be scheduled at the beginning of the exam period. 3. Consult with all instructors; goal: Exams for first-year modules should not be scheduled at the beginning of the exam period. 4. Provide support through mathematics lab sessions organized by the Computer Science department.	Office of Student Affairs SoSe 2026 green Extension through modernization of Mathematics education 1. done 2.+3. ongoing discussions 4. is postponed Follow-up measure will be discussed in QR 2-3.3 Evaluation by QR 2-3.3
INF20241-6 20241 QM 2-1	1. Didaktisches Konzept (Didactic concept) 1.1 Qualifikationsziele des Studiengangs (allgemein) (Programme Learning Outcomes (general))	***Accessibility of Introductory Lectures*** Some students have reported that, in certain introductory lectures, the instructors do not make an effort to create a pleasant learning environment in which students enjoy learning.	Identify which courses are viewed particularly critically. 1. Analyze the course evaluations for the affected courses; also request the evaluations of the B.Mat modules from the Mathematics Department. 2. Conduct the analysis separately by cluster (Computer Science/Data Science/other). 3. In addition, the Student Council should provide information on the specific complaints raised by students. Future QR meetings should revisit this topic.	Office of Student Affairs + Student Council WiSe 2024/25 green 1.+2. done by Office of Student Affairs 3. currently no information available Follow-up measure will be discussed in QR 2-3.3 Evaluation by QR 2-3.3

ID QR	Quality criterion Sub-criterion	Description	Measure	Responsibility Deadline Progress of implementation Evaluation
INF20241-4 20241 QM 2-1	2. Studierbarkeit (studyability) 2.4 Studienverweildauer (Duration of studies)	***Class Locations in the First Semester*** The following modules are scheduled for the first semester: “B.Mat.0801: Mathematics for Computer Science I,” “B.Mat.0803: Discrete Mathematics for Computer Science,” and “B.Inf.1101: Introduction to Computer Science and Programming.” The B.Mat modules are held in the South - in the Mathematics Department - so students often relocate to the Central Campus for these classes. As a result, study groups have less opportunity to network with one another. Given the high dropout rates in the first semester, this can easily lead to difficulties in modules that rely heavily on collaboration (e.g., “B.Inf.1802: Training in Programming”).	Facilitate studying in the North Campus area during the first semester (B.Sc. programmes). 1. It will be examined whether the courses offered by the Mathematics Department exclusively for computer science programmes can take place in the North Campus area. 2. Digital submission of assignments should be implemented. 3. Analogue submission of assignments should be arranged so that students do not have to make additional trips to the South Campus, e.g., immediately following a lecture or lab session.	Office of Student Affairs WiSe 2025/26 green 1. rooms arranged 2. done 3. done Follow-up measure will be discussed in QR 2-3.3 Evaluation by QR 2-3.3

Key

green: completed – successful

blue: completed – partially successful

Overview of measures – completed measures

As at 1 October 2026 (Study Commission 15 July 2026), revised and expanded by the small quality round (QR 2-3.2) and the quality round (QR 2-3.3)

ID **QR**	**Quality criterion** **Sub-criterion**	**Description**	**Measure**	**Responsibility** **Deadline** **Progress of implementation** **Evaluation**
INF20241-5 20241 QM 2-1	1. Didaktisches Konzept (Didactic concept) 1.1 Qualifikationsziele des Studiengangs (allgemein) (Programme Learning Outcomes (general))	***Training Opportunities for Tutors*** Tutors in computer science could benefit from systematic training in teaching. As mentioned in the QM Track, positive experiences have been gained in this area in the chemistry department: “If tutors and lab assistants would like to delve deeper into the topic of teaching and learning, we offer key competency modules in which they can expand and apply their knowledge and soft skills.”	A training programme for tutors is to be implemented. Goal: To create and/or incorporate appropriate key competency modules into the computer science degree programmes 1. Determine whether SHKs can enroll in key competency modules offered by other faculties (e.g., Chemistry). 2. Review course offerings from teacher education programs. 3. Develop alternative offerings (checklist/flyer). 4. Review our own offerings for which tutors are paid.	Office of Student Affairs WiSe 2026/27 green: 1. negative response 2. no matching offers 3. available 4. not currently considered Evaluation by StuCo

ID QR	Quality criterion Sub-criterion	Description	Measure	Responsibility Deadline Progress of implementation Evaluation
INF20242-9 20242 QM 2-2	2. Studierbarkeit (studyability) 2.6 Studentischer Workload (student workload)	***Workload*** Students find that courses with the same number of credits require different amounts of effort. In some courses, it seems as though the workload exceeds the upper limit specified by the credits.	1. Instructors should break down and publish the expected workload for selected modules. 2. Workload surveys that are quick and easy for students to complete should reveal discrepancies between the expected and actual workload.	Office of Student Affairs WiSe 2026/27 green Evaluation by StuCo

	1. Didaktisches Konzept (Didactic concept)
	
	1.1.1 Wissenschaftliche Befähigung und fachwissenschaftliche Kompetenz (Research proficiency and subject-specific expertise)
		Concept for Integrating Introductory and Advanced Seminars into Bachelor's Degree Programmes
		
		The Diploma Supplements for the Applied Data Science (BSc), Applied Computer Science (BSc), and Computer Science (BA 2 Subject) degree programs address competencies that can only be acquired in seminars. However, it is possible to complete these degree programmes without having attended a seminar.
		
		Only "proseminars" are listed. This does not reflect the sometimes very different requirements of the individual seminars and makes it difficult for students to integrate the seminars meaningfully into their individual study plans.
			Development of a concept.
			
			Integration of the seminars into the curricula of the Applied Data Science (BSc), Applied Computer Science (BSc), and Computer Science (BA 2 subject) degree programmes
			
			Division into introductory seminar and advanced seminar.
			
			- Introductory Seminar
			  - Less technically demanding
			  - Focus on methodology
			  - Guided discussion
			- Advanced Seminar
			  - Introductory Seminar as a formal prerequisite
			  - Current topics / publications
			  - Independent, constructive discussion
				Office of Student Affairs
				
				01.06.2026
				
				red: proposal drafted, discussed several times, no result
				
				StuCo

ID QR	Quality criterion Sub-criterion	Description	Measure	Responsibility Deadline Progress of implementation Evaluation
	2. Studierbarkeit (studyability) 2.4 Studienverweildauer (Duration of studies)	***Seminars – Mandatory Attendance*** - Low attendance in seminars - The learning objective of "critical discussion" cannot be met if, apart from the presenters and the instructor, very few participants are present	Enable Mandatory Attendance - Create a checklist - If the checklist is completed, the module description for a seminar may require regular attendance (mandatory attendance) in accordance with §7(5) APO.	AG Seminars Q3/2026 green StuCo
	4. Ausstattung (features/equipment/facilities) 4.3.1 Räume, Geräte und IT (Rooms, equipment, and IT)	***Fundamentals of Mathematics at the North Campus***	The courses offered by the Mathematics Department exclusively for computer science degree programmes are to be held at the North Campus.	Office of Student Affairs WiSe 2026/27 green StuCo
	1. Didaktisches Konzept (Didactic concept) 1.1.1 Wissenschaftliche Befähigung und fachwissenschaftliche Kompetenz (Research proficiency and subject-specific expertise)	***MSc in Applied Computer Science - Advanced Research Training*** 13 modules, generic content - … in business informatics, … in bioinformatics, … - Credit options (ungraded) remain <= 36 credits	AI MSc: Combining the "Advanced Research Training" Modules - Objectives: 1 – 4 Modules	Office of Student Affairs 2 years green: done – reduced to 4 (from 13) StuCo

ID QR	Quality criterion Sub-criterion	Description	Measure	Responsibility Deadline Progress of implementation Evaluation
	1. Didaktisches Konzept (Didactic concept) 1.1 Qualifikationsziele des Studiengangs (allgemein) (Programme Learning Outcomes (general))	***Concept – BSc in Applied Computer Science – Specialization in Application-Oriented Systems Development – Further Development*** Type 2 Computer Science according to the German Informatics Society (GI) – GI Recommendations (58th Recommendations for Bachelor's and Master's Programs in Computer Science at Universities)	Development of a concept for the further development of the specialization "Application-Oriented Systems Development" - More core computer science - Renaming of the specialization	Office of Student Affairs 01.09.2026 red: failed formally StuCo
	1. Didaktisches Konzept (Didactic concept) 1.4 Qualität und Transparenz der Prüfungsanforderungen (Quality and Transparency of Examination Requirements)	***Thesis requirements***	Develop a handbook for instructors. The working groups should: - Document requirements more transparently - Have guidelines for the Bachelor's programme - Example Prof. Huckemann - Document the working group's standard practices	Office of Student Affairs 01.06.2026 blue: partially successful - handout created in Office of Student Affairs StuCo

Key

green: completed – successful

blue: completed – partially successful

red: proposal rejected/completed – unsuccessful