

MSc Quantum Information Science & Technology - TU Delft

Master's Courses for Exchange Students

The course package proposals indicated here are composed considering the coherence of their contents. Overlap between lectures and exams of the courses within the same package is not likely but may occur due to unforeseen circumstances leading to schedule modifications. The course package proposals are intended for MSc students and students in the process of finalizing their BSc programme.

Please read the courses' pre-requisites [here](#) to determine whether the courses you select are a good fit for your educational background.

Please note: QIST courses are taught in Delft or in Leiden, or in a combination of the two cities. The full schedule can be found on <https://mytimetable.tudelft.nl/schedule>, while the exact details of the activities scheduled in Leiden can be found on <https://rooster.universiteitleiden.nl/schedule>.

2024-2025

Course Proposals Master Quantum Information Science & Technology 2024-2025							
Identifier	Course name	Credits	Period				Location
			1	2	3	4	
QIST4100	Homologation for QIST *	10 EC					Leiden & Delft
QIST4200	Orientation Team Project	5 EC					Leiden & Delft
QIST4300	Qubit Dynamics and Quantum Control	4 EC					Delft
QIST4310	Fundamentals of Quantum Information	4 EC					Delft
QIST4320	Quantum Computation and Quantum Programming	4 EC					Leiden
QIST4330	Quantum Devices and Interfaces	3 EC					Leiden
QIST4400	Quantum Computer Architecture	5 EC					Delft
Minor Quantum Science and Quantum Information (BSc level) **							
TN-MI-219	For more information, please see the following link	30 EC					Delft

* QIST4100 homologation is a special course to repair missing knowledge from the bachelors Physics, Mathematics, Computer Science and Electrical Engineering. The course largely depends on self-study. Please consult the study guide for more information: https://studiegids.tudelft.nl/a101_displayProgram.do?program_tree_id=30992.

** The **Minor Quantum Science and Quantum Information** can also be finalized before Christmas. Without taking part in the group project, a maximum of 24 EC can be obtained. Please do notice that an early termination of a TU Delft housing rental contract is not possible.

We do not recommend mixing courses from various programmes and/or faculties since this will likely lead to scheduling conflicts and overlap. Such scheduling conflicts are the responsibility of the student

Last update January 2024