

Only the german version of the module description as part of the study regulations is legally binding.

Module name	Spatial Computing
Module number	INF-MI-VMI-SC
Senior Lecturer	Prof. Dr. Matthew McGinity matthew.mcginity@tu-dresden.de
Qualification objectives	Students are able to design and implement spatial computer interfaces and applications. They know algorithms, tools and platforms needed to create spatial computer interfaces and applications.
Contents	The content of the module is the design and development of spatial interactive immersive applications, interface design, visual and acoustic design, performance analysis, localisation, tracking and mapping.
Forms of teaching and learning	The module includes 4 SWS traineeships and self-study. The teaching language of the traineeships can be German or English and is specifically determined by the teacher at the beginning of each semester and announced in the usual way.
Eligibility for participation	No knowledge is required.
Usability	In the Master's in Media Informatics course, the module is a compulsory electoral module in the field of in-depth modules, which must be chosen in accordance with Section 27(3) of the Examination Regulations. The module cannot be chosen in the master's course in media informatics if this module, or a module with substantially the same content, from a course with which the entry conditions under § 3 of the Studienordnung have been met, has already been completed. The module provides the pre-requisites for the modules it designates under the pre-requisites for participation.
Conditions for the award of credits	Credits are awarded when the module test is passed. The module examination consists of a 70-hour project work and a 15-minute presentation. The language of the exam will be German or English, at the student's choice.
Credits and marks	The module allows 6 credit points to be obtained. The module score is the unweighted average of the scores for the individual audit services.
Frequency of the module	The module is offered every winter semester.
Workload	The total workload is 180 hours.
Duration of the module	The module includes a semester.