

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

Module name	Scientific work
Module number	INF-25-Ba-WIA
Responsible lecturer	Prof. Dr. Christoph Sommer christoph.sommer@tu-dresden.de
Qualification objectives	Students can apply techniques of scientific work, in particular problem analysis, hypothesis generation and evaluation. They are proficient in the steps involved in writing a scientific paper, such as searching for literature, structuring, formulating theses, evaluating and providing evidence. They are familiar with the different types of research papers and know how to prepare them.
Content	The contents of the module are the special techniques of scientific work, the basics of writing a scientific paper and the preparation of a written scientific paper. Further contents are the presentation of a scientific paper and the discussion of the principles of scientific criticism, disputation and opposition.
Teaching and learning methods	The module comprises lectures of 2 SWS, seminars of 2 SWS and the self-study. The language of instruction for the lectures and seminars is German.
Prerequisites for participation	The competencies to be acquired in the module INF-25-Ba-SK Key Competencies are a prerequisite for the Diploma degree program in Computer Science, the Bachelor's degree program in Computer Science and the Bachelor's degree program in Applied Computer Science s setzen.
Applicability	The module is a compulsory module in the Diploma degree program in Computer Science. The module is a compulsory module in the Bachelor's degree course in Computer Science and in the Bachelor's degree course in Applied Computer Science. The module creates the prerequisites for the modules that name it among the prerequisites for participation .
Requirements for earning credit points	The credit points are earned if the module examination is passed. The module examination consists of a complex course of 60 hours. The examination language is German.
Credit points and grades	5 credit points can be earned through the module. The module grade corresponds to the grade of the examination.
Module frequency	The module is offered every winter semester.
Workload	The total workload is 150 hours.
Module duration	The module comprises one semester.