

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

Module name	Research project
Module number	INF-25-Ma-FP
Responsible lecturer	Dean of Studies of the Faculty of Computer Science studiendekan.inf@tu-dresden.de
Qualification objectives	Students are able to work on a complex research-related project based on skills from several areas of application and basic research in computer science and solve a larger task. Students know methods for developing applications, can use appropriate tools and are familiar with scientific working methods. They are able to structure and document the solution process. They are able to present the findings and explain them in an argumentative manner. They have in-depth technical expertise and extensive methodological skills in relation to project management.
Content	The content of the module is the processing, application and communication of a topic of the student's choice from the fields of application and basic research in informatics. In application research, the content includes the design, implementation and evaluation of application systems and in basic research the evaluation and, if necessary, correction of own theses or assumptions through suitable investigations and experiments.
Teaching and learning methods	The module comprises 100 hours of projects and independent study. The teaching language of the projects may be German or English and will be specified by the lecturer at the beginning of each semester and announced in the usual manner.
Prerequisites for participation	In the Diploma program in Computer Science, the competences to be acquired in the module INF-25-Ba-WIA Scientific Work are a prerequisite. In the Master's degree program in Computer Science, basic skills for scientific work at Bachelor's level are required.
Applicability	The module is a compulsory module in the Diplom degree program in Computer Science. The module is a compulsory module in the Master's degree program in Computer Science. The module fulfills the prerequisites for the modules listed under 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 200 hours. The examination language may be German or English and will be specified by the lecturer at the beginning of each semester and announced in the usual manner.
Credit points and grades	13 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 semester.
Workload	The total workload is 390 hours.

Module duration	The module comprises one semester.
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