

Module Overview M.Sc. Computational Engineering (6 Semester)

Degree Guidelines as per 01.09.2009, Version 01.10.2021

The degree program consists of 120 Credit Points (CP) in total:

General Methodical Area:	min. 28 CP	■
Discipline Specific Methodical Area:	min. 28 CP	■
Application Specific Area*:	min. 28 CP	■
Master-Thesis:	30 CP	■

Language of Tuition:
GERMAN
Certificates required



This leads to the following *possible* part-time semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Area 1 General Methodical Area A) Modelling, Theoretical Fundamentals (min. 4 CP) B) Applied Mathematics: Numerics, Stochastics, Optimisation (min. 8 CP) C) Applied Computer Science (min. 4 CP) (min. 28 CP)					Master-Thesis (30 CP)
Area 2 Discipline Specific Methodical Area Courses of following departments: Mathematics; Mechanics; Civil Engineering and Geodesy; Mechanical Engineering; Electrical Engineering and Information Technology; Computer Science. (min. 28 CP)					
Area 3 Application Specific Area* Choose <i>one</i> from the following Catalog: Mathematics and Mechanics <i>or</i> Civil Engineering and Geodesy <i>or</i> Mechanical Engineering <i>or</i> Electrical Engineering and Information Technology <i>or</i> Computer Science <i>or</i> Computational Robotics <i>or</i> Fluent Flow and Combustion. (min. 28 CP)					
Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP

* In each application subject, subject-specific or interdisciplinary, a seminar, practical course, tutorial or project must be taken.