Module Overview M.Sc. Computational Engineering (8 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

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

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester
Area 1 General Methodical Area A) Modelling, Theoretical Fundamentals (min. 4 CP) B) Applied Math ematics: 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 *one* from the following Catalog: Mathematics and Mechanics *or* Civil Engineering and Geodesy *or* Mechanical Engineering *or* Electrical Engineering and Information Technology *or* Computer Science *or* Computational Robotics *or* Fluent Flow and Combustion. **(min. 28 CP)**							
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP

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