

Computational Engineering (M.Sc.) - Effective 01 October 2023

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

General Methodical Area	27-29 CP
Discipline Specific Methodical Area:	54-58 CP
- Including Application Specific Area:	27-29** CP
Studium Generale:	6 CP
Research/Thesis:	30 CP

Language of Tuition:
GERMAN
certificates required

The following **module overview** is an abbreviated, easy-to-read version of the **official course schedule** in the examination regulations, to be found in the Satzungsbeilagen of TU Darmstadt:

1st semester	2nd semester	3rd semester	4th semester
Modelling, Theoretical Fundamentals (4-12 CP)	Choice of <i>one</i> Discipline Specific Subject: - Applied Mathematics and Mechanics* - Civil and Environmental Engineering - Computational Robotics - Electrical Engineering and Information Technology - Computer Science - Mechanical Engineering - Flow and Combustion (min. 54 CP, max. 58 CP)	Compulsory and Elective Area of the chosen field of Application (min. 27 CP, max. 29 CP**)	Master's Thesis (30 CP)
Applied Mathematics: Numerics, Stochastics, Optimisation Methods (8-16 CP)			
Applied Computer Science (4-12 CP)			
Studium Generale Open Catalogue of TU Darmstadt (6 CP)			

**with Focus on Applied Mathematics or Mechanics

**applies to all Discipline Specific Subjects except Applied Mathematics and Mechanics: min. 24 CP, max. 32 CP

Study Programmes
www.tu-darmstadt.de/studieren

Course Schedule
www.tucan.tu-darmstadt.de

Application and Admission for international students
(International Office)
www.tu-darmstadt.de/international

Zentrale Studienberatung und -orientierung ZSB
(Central Student Advisory and Orientation Office)

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Computational Engineering Master of Science



Brief Description

The interdisciplinary degree programme Master of Science in Computational Engineering (CE) deals with the modelling and simulation of technical and physical systems. Courses in mathematics, mechanics, civil engineering and geodesy, mechanical engineering, electrical engineering and computer engineering in the field of computational engineering sciences will also be included in the programme. A comprehensive selection of elective courses in each area as well as a specialisation in a specific applied subject allow the incorporation of individual student interests. A mentoring system supports each student during this process. It is also possible to spend a semester abroad studying or working towards the Master's Thesis.

www.study.ce.tu-darmstadt.de

Admission

For information on application deadlines please refer to www.tu-darmstadt.de/international

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