

Course of Study Technomathematics (Study Cohort w17)

Sample course plan F Bachelor Technomathematics (TMBS)

Specialisation I. Mathematics, Specialisation II. Informatics, Specialisation III. Engineering Science, Specialisation

Legend:

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

IV. Subject Specific Focus

Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk	Semester 5	Form Hrs/wk	Semester 6	Form Hrs/wk
1	Procedural Programming	Objectoriented Programming, Algorithms and Data Structures	Higher Analysis	Foundations of Management	Seminar Technomathematics	Compiler Construction					
2	Procedural Programming VL 1 Procedural Programming HÜ 1	Objectoriented Programming, Algorithms and Data Structures VL 4	Higher Analysis VL 4 Higher Analysis GÜ 2	Introduction to Management VL 3 Management Tutorial HÜ 2	Seminar: Technomathematics SE 2	Compiler Construction VL 2 Compiler Construction GÜ 2					
3	Procedural Programming PR 2	Objectoriented Programming, Algorithms and Data Structures GÜ 1									
4											
5											
6											
7	Analysis for Technomathematicians (part 1)	Analysis for Technomathematicians (part 2)									
8	Analysis I for Technomathematicians VL 4 Analysis I for Technomathematicians GÜ 2	Analysis II for Technomathematicians VL 4 Analysis II for Technomathematicians GÜ 2									
9											
10											
11			Numerical Mathematics								
12			Numerical Mathematics VL 4 Numerical Mathematics GÜ 2								
13											
14											
15	Linear Algebra for Technomathematicians (part 1)	Linear Algebra for Technomathematicians (part 2)									
16	Linear Algebra 1 for Technomathematicians VL 4 Linear Algebra 1 for Technomathematicians GÜ 2	Linear Algebra 2 for Technomathematicians VL 4 Linear Algebra 2 for Technomathematicians GÜ 2									
17											
18											
19											
20											
21											
22											
23	Electrical Engineering for Technomathematicians (part 1)	Electrical Engineering for Technomathematicians (part 2)									
24	Electrical Engineering I for Technomathematicians VL 2	Electrical Engineering II for Technomathematicians VL 2									
25	Electrical Engineering I for Technomathematicians GÜ 1	Electrical Engineering II for Technomathematicians GÜ 1									
26											
27	Mechanics for Technomathematicians (part 1)	Mechanics for Technomathematicians (part 2)									
28	Mechanics I for Technomathematicians VL 2 Mechanics I for Technomathematicians GÜ 2	Mechanics II for Technomathematicians VL 2 Mechanics II for Technomathematicians GÜ 2									
29											
30											

Nontechnical Complementary Courses for Bachelors (from catalogue) - 6LP

Technical Complementary Course I for Technomathematics (according to Subject Specific Regulations) - 6LP

Technical Complementary Course II for Technomathematics (according to Subject Specific Regulations) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

