



Program | 180 ECTS

Bachelor of Science in Mathematics

Compulsory modules – 1st part | 40 ECTS

	No	Module	ECTS	Semester
Compulsory	M01	Algorithmics *	10	AS/SS
Compulsory	M02	Statistics and Discrete Structures *	10	AS/SS
Compulsory	M03	Analysis I **	10	AS/SS
Compulsory	M04	Linear Algebra I **	10	AS/SS

Compulsory and elective modules – 2nd part | 140 ECTS

	No	Module	ECTS	Semester
Compulsory	M05	Analysis II	10	AS
Compulsory	M06	Linear Algebra II	10	SS
Compulsory	M07	Analysis III	10	AS
Compulsory	M08	Probability	10	AS
Compulsory	M09	Introduction to Numerics	10	AS
Compulsory	M11	Algebra	10	SS
Compulsory	M12	Theory and Numerics of ODEs	10	SS
Compulsory	M15	Functional Analysis	10	AS
Compulsory	M17	Theory and Numerics of PDEs	10	SS
Elective	M10	Mathematical Modelling	10	SS
Elective	M13	Differential Geometry	10	SS
Elective	M14	Number Theory	10	AS
Elective	M16	Optimization and Machine Learning	10	AS
Elective	M19	Module from another Faculty	10	AS/SS
	No	Module	ECTS	Semester
Compulsory	M18	Seminar on special topics	10	AS/SS
Compulsory	M20	Bachelor Thesis (integrated Seminar) ***	10	AS/SS

* Module to be taken in semester I

** Module to be taken in semester II

*** Module to be completed during the last 2 semesters