

Mathematical and Scientific Competences

Semester: Winter Semester 2026/27

Competency Area	Module Code	Module (Title)	Credi	Max. Places	Frequency	Language	Faculty	Organisational Unit (Module Catalogue)
Mathematical and Scientific Competences	B.Inf.1101	Foundations of Computer Science and Programming	10	300	every semester	German, English	MATHE	Module: Math. - Computer Science (BA, 2FBA)
Mathematical and Scientific Competences	B.Mat.0732	Practical course in scientific computing: Basics	3		every semester	English	MATHE	Module: Math. - Mathematics (BA / MA)
Mathematical and Scientific Competences	B.Mat.0743	Practical Course in Stochastics: Introduction	3		every summer semester	German	MATHE	Module: Math. - Mathematics (BA / MA)
Mathematical and Scientific Competences	B.Mat.0842	Mathematics for Information Science II	9		every summer semester	German	MATHE	Module: Math. - Mathematics (BA / MA)
Mathematical and Scientific Competences	B.Phy.5605	Computational Neuroscience: Basics	3		every summer semester	English	PHYS	Module: Phys. - Physics (BA+2FBA)
Mathematical and Scientific Competences	B.Phy.5665	Processing of Signals and Measured Data	3	30	every summer semester	English, German	PHYS	Module: Phys. - Physics (BA+2FBA)
Mathematical and Scientific Competences	B.SK-Phy.9001	Papers, Proposals, Presentations: Skills of Scientific Communication	4	18	every summer semester	German, English	PHYS	Module: Phys. - Physics (BA+2FBA)
Mathematical and Scientific Competences	M.Biodiv-NF.415	Evolutionary biology	4		annually	English	BIO	Module: Bio. - Biodiversity: Ecology, Evolution, and Conservation (MA)
Mathematical and Scientific Competences	M.CoBi.572	Biology for Bioinformaticians	8	15	every winter semester	English	BIO	Module: Bio. - Computational Biology and Bioinformatics (MA)
Mathematical and Scientific Competences	M.Inf.356-1	Personalized Medicine	3	25	every summer semester	English, German	MATHE	Module: Math. - Computer Science (MA)
Mathematical and Scientific Competences	M.Phy-NF.7601	X-ray Tomography for Students of Medicine, Biology, Agriculture, Forestry	3	10	every fourth semester; summer semester	English	PHYS	Module: Phys. - Physics (MA)
Mathematical and Scientific Competences	M.Phy.5610	X-ray Tomography for Students of Physics and Mathematics	3	15	every fourth semester; summer semester	English	PHYS	Module: Phys. - Physics (MA)