

**Programme scheme M.Sc. Space Sciences and Technologies (MPO 2020)**

The module sequence is a recommendation. It may follow a more individual schedule.

Semester	Pflichtmodule (Compulsory Modules), insgesamt 69 CP			Master- arbeit (Master Thesis), 30 CP	Projekt (Project), 12 CP	Wahlpflichtbereich (Compulsory Elective Modules), 12 CP		Wahlbereich (Elective Modules), 9 CP	Σ 120 CP
	Foundations (30 CP)					„Physics for Space Observation“ (PSO) (Specialization), 12 CP	„Information Technol- ogies for Space“ (ITS) (Specialization), 12 CP		
1	Foundations (30 CP)								30
	AMMDA Applied Mathemati- cal Methods and Data Analysis, 6 CP	CTh1(a) Control Theory 1, 6 CP	SpEl(a) Space Electronics, 3 CP						
	SEM Science and Explo- ration Missions, 3 CP	AtPhy Atmospheric Physics, 6 CP	ComSp Communication Tech- nologies for Space, 6 CP						
2	Remote Sensing and Communication (27 CP)						RSOC Remote Sensing of Ocean and Cryosphere, 6 CP  CliS1 Climate System I, 3 CP	Zwei der folgenden Wahlpflichtmodule müs- sen absolviert werden: RFC(a) RF Frontend Devices and Circuits, 6 CP und/oder BiM BioMEMS, 6 CP und/oder DiTe(a) Digital Technology, 6 CP	Elective Courses, 9 CP siehe Anlage 2.4
	SAMS(a) Sensors and Measurement Systems, 6 CP		DIP Digital Image Processing, 3 CP						
	GNSS The Global Navigation Satellite System, 3 CP	LSpa1 Space Lab, Part 1, 3 CP	AtSp Atmospheric Spectroscopy, 3 CP						
3	CNSp Communication Networks for Space, 3 CP	LSpa2 Space Lab, Part 2, 3 CP	GG Geodesy and Gravity, 3 CP		PMA, Project, 12 CP	AtCM1 Atmospheric Chemistry Modelling: Part 1, 3 CP			30
4				Module Master Thesis, 30 CP					30

CP = Credit Points