

Example study paths for track "Computational Life Science"	CMS Track	Contents of COR modules that should be known or selected	Modul CMS-CLS-ELG	Modul CMS-CLS-ELV	Modul CMS-SEM	Modul CMS-CLS-TEA
Biomedical image analysis	CLS	CMS-COR-MLD CMS-COR-NUM CMS-COR-SAP	Computer Vision 1 Scientific Visualization	Computer Vision 2 Interactive Multimedia Information Retrieval	Seminar Computational Life Science Seminar Visual Computing	Ideally in cooperation with students from the visual computing track
Computer simulation of biological systems	CLS	CMS-COR-HPC CMS-COR-NUM CMS-COR-SAP	Computational Fluid Dynamics Wissenschaftliches Arbeiten	Particle Methods	Seminar Computational Life Science Seminar Computational Mathematics	Ideally in cooperation with students from the computational mathematics track
Bioinformatics	CLS	CMS-COR-MLD CMS-COR-SAP CMS-COR-VIZ	Computergraphik I Genome Engineering Seminar Mathematical Biology	Advanced Topics in Computational Genomics Machine Learning 1	Seminar Computational Life Science Seminar Computational Mathematics	Ideally in cooperation with students from the computational mathematics track
Computational Psychology	CLS	CMS-COR-HPC CMS-COR-NUM CMS-COR-VIZ	Cognitive Neuroscience Methods Scientific Computing	Cognitive Neuroscience Lifespan Developmental Neuroscience Scientific Visualization	Seminar Computational Life Science Seminar Computational Mathematics	Ideally in cooperation with students from the computational mathematics track
Personalized Medicine	CLS	CMS-COR-NUM CMS-COR-SAP CMS-COR-MLD	Scientific Visualization Principles of Biophysics	Machine Learning 1 Biological Hydrodynamics Cognitive Neuroscience	Seminar Computational Life Science Seminar Visual Computing	Ideally in cooperation with students from the visual computing track
Interactive 3D Systems for Life Sciences	CLS	CMS-COR-VIZ CMS-COR-MLD CMS-COR-HPC	User Interface Engineering Scientific Visualizaton	Advanced User Interfaces Interactive Multimedia Information Retrieval	Seminar Computational Life Science Seminar Visual Computing	Ideally in cooperation with students from the visual computing track
Molecular Modeling / Drug Design	CLS	CMS-COR-HPC CMS-COR-NUM CMS-COR-SAP	Concepts of Molecular Modeling Theoretical Biophysics	Scientific Visualization Particle Methods	Seminar Computational Life Science Seminar Computational Engineering	Ideally in cooperation with students from the visual computing track