

Bachelor level

Subject Area Engineering			
Study programme	Project title	Responsible professor	Number of credits
Mechanical Engineering	Enhancement of an AC motor test bed	Prof. Dr. Lauzi	10 – 15 ECTS
	Modeling and control of a fuel cell stack	Prof. Dr.-Ing. habil. Mangold	15 ECTS
Electrical Engineering	Sensor concept for e-Scooters as measurement vehicle	Prof. Dr. Lauzi	10 – 15 ECTS
	Simulation of a Drift-Diffusion-Model for the electron density in doped semi-conductors	Prof. Dr. rer. nat. habil. Blesgen	15 ECTS
Energy and Process Engineering	Design of a electrolysis or fuel cell plant	Prof. Dr. Seyfang	6 – 9 ECTS
	Microreactors in theory and practice		
RenewableEnergy and Utility Engineering	Building a Wind Energy Turbine	Prof. Dr. Pudlik	15 ECTS
	Energy Efficient Buildings		
	Solar tracked PV		

Subject Area Computer Science			
Study programme	Project title	Responsible professor	Number of credits
Mobile Computing	Android App for tracking e-scooter data	Prof. Dr. Lauzi	10 – 15 ECTS

Subject Area Natural Science			
Study programme	Project title	Responsible professor	Number of credits
Agriculture and Environment	Animal nutrition / Health (several projects upon request)	Prof. agr. Winkler (Prof. Dusel)	15 ECTS
Biotechnology	Analytical Chemistry	Prof. Dr. Weiß	*n.a.
	Screening of terrestrial cyanobacteria regarding the production of interesting secondary metabolites/antimicrobial substances	Prof. Dr.-Ing. Muffler	*n.a.
Bioinformatics	Building a bioinformatics infrastructure and analysis pipeline for MinION sequencing projects	Prof. Dr. Krause	15 ECTS

*n.a. means not announced yet!

	Developing an image processing tool with imageJ for the analysis of chromosome territories in microscope images of cell kernels	Prof. Dr. Krause	15 ECTS
Agriculture and Environment	Crop production and protection	Prof. Dr. Petersen	15 ECTS
	Soil Science/Plant Nutrition	Prof. Dr. agr. Appel	15 ECTS
	Ecological agriculture	Prof. Dr. Schulte-Geldermann	15 ECTS
	Potatoe research (Germany and African countries)	Prof. Dr. Schulte-Geldermann	15 ECTS

Master level

Subject Area Natural Science			
Study programme	Project title	Responsible professor	Number of credits
Agriculture and Environment	Community based research projects in the agricultural sector in developing countries	Prof. Dr. agr. Wollny	15 ECTS (range 12-18 ECTS)
	Data management in agricultural value chains – application of digitalization		
	Crop production and protection	Prof. Dr. Petersen	15 ECTS
	Soil Science/Plant Nutrition	Prof. Dr. agr. Appel	15 ECTS
	Ecological agriculture	Prof. Dr. Schulte-Geldermann	15 ECTS
	Potatoe research	Prof. Dr. Schulte-Geldermann	15 ECTS
	Animal nutrition / Health (several projects upon request)	Prof. agr. Winkler (Prof. Dusel)	15 ECTS
Biotechnology	Purification and analysis of antimicrobial substances from terrestrial cyanobacteria	Prof. Dr.-Ing. Muffler	*n.a.
	Examination of the microbial composition of cyanobacterial cultures with regard to contaminations by heterotrophic bacteria	Prof. Dr.-Ing. Muffler	*n.a.