

## Bachelor level

<b>Subject Area Engineering</b>			
<b>Field of study</b>	<b>Project title</b>	<b>Responsible professor</b>	<b>Number of credits</b>
Mechanical Engineering	Model identification and control of a fuel cell stack	Prof. Dr.-Ing. habil. Mangold	15 ECTS
Electrical Engineering	Sensor concept for e-Scooters as measurement vehicle (cannot be offered in the current semester due to pandemic)	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 an electrolysis or fuel cell plant	Prof. Dr. Seyfang	6 – 9 ECTS
	Microreactors in theory and practice		

<b>Subject Area Computer Science</b>			
<b>Field of study</b>	<b>Project title</b>	<b>Responsible professor</b>	<b>Number of credits</b>
Mobile Computing	Android App for tracking e-scooter data	Prof. Dr. Lauzi	10 – 15 ECTS

<b>Subject Area Natural Science</b>			
<b>Field of study</b>	<b>Project title</b>	<b>Responsible professor</b>	<b>Number of credits</b>
Agriculture and Environment	Animal nutrition / Health (several projects upon request)	Prof. Dr. Dusel	15 ECTS
	Soil Science / Plant Nutrition	Prof. Dr. agr. Appel	15 ECTS
	Organic agriculture / Agroecology	Prof. Dr. Schulte-Geldermann	15 ECTS
	Potato research (Germany and African countries)	Prof. Dr. Schulte-Geldermann	15 ECTS
Bioinformatics	Development of a bioinformatics analysis pipeline for MinION sequencing projects	Dr. Görmez	15 ECTS
	Development of an image processing tool for the analysis of microscope images of cells and cell kernels	Dr. Görmez	15 ECTS

## Master level

<b>Subject Area Engineering</b>			
<b>Field of study</b>	<b>Project title</b>	<b>Responsible professor</b>	<b>Number of credits</b>
Mechanical Engineering	Advanced control concepts and state estimation techniques for fuel cell systems	Prof. Dr.-Ing. habil. Mangold	15 ECTS

<b>Subject Area Natural Science</b>			
<b>Field of study</b>	<b>Project title</b>	<b>Responsible professor</b>	<b>Number of credits</b>
Agriculture and Environment	Soil Science/Plant Nutrition	Prof. Dr. agr. Appel	15 ECTS
	Ecological Organic agriculture / Agroecology	Prof. Dr. Schulte-Geldermann	15 ECTS
	Potato research	Prof. Dr. Schulte-Geldermann	15 ECTS
	Animal nutrition / Health (several projects upon request)	Prof. Dr. Dusel	15 ECTS

Please note: This is the status as of September 2021 for the current winter semester. The projects will be updated continuously.