

Field of Study 6 - Resource Efficiency in Urban Planning

Master of Science in Environmental Engineering

Students within this FoS have strong competences in designing built environments at various levels (e.g. landscape, urban space, neighbourhoods, buildings) aiming for an optimization of primary resource needs and energy consumption. They are familiar with the interdependencies between urban functions and energy consumption; they understand the major factors of energy efficiency of buildings and settlements as well as the material flows from and to the settlements. They develop strategic measures for planning built environments with respect to the goals of sustainable development.

Required Modules

NN	Bauphysik in der Planung
BV620005	Nachhaltige Architektur, Stadt- und Landschaftsplanung

Elective Modules

AR30046	Städtebau/ Urbanism
BGU52018	Interaction of Land Use and Transport
WZ6407	Urban Ecology
BV620006	Sonderthemen des nachhaltigen Bauens /Special topics in sustainable design
NN	Anwendung einer Lebenszyklusanalyse
NN	Ökobilanzierung/Life Cycle Assessment
EI0699	Stadtenergiesysteme und moderne städtische Infrastruktur
EI0638	Nutzung alternativer Energien

This FoS will be taught in German in the winter term of 2016/17

Pending module codes will be updated before the beginning of the semester.