Field of Study 6 - Resource Efficiency in Urban Planing
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.