

# RESOURCE EFFICIENCY IN ARCHITECTURE AND PLANNING

## *Anbietende Institution des Studiengangs*

HafenCity University Hamburg

## *Ziel des Studiengangs*

The international and interdisciplinary Master of Science degree programme “Resource Efficiency in Architecture and Planning” (REAP) aims to enable participants to promote sustainable urban development in different geographical and cultural settings. Its main emphasis lies on technology for the provision of urban and building services, yet it also investigates the socio-economic context in which these services are provided and managed. The programme provides an overview of the complex relationships between buildings, urban services, technology and the environment and also imparts knowledge of resource efficient technologies. With this programme, HafenCity University Hamburg targets persons from all over the world, with a wide range of academic backgrounds and work experience, sharing an interest in technology and society and a concern for urban life. Due to its international character, all REAP courses are taught in English.

## *Aufbau des Studiums*

The REAP programme consists of 18 study modules, taught over two academic years. In each semester, students enrol for 30 credit points.

Lectures and seminars are grouped around the central project work, i.e. real-time, real-world case studies, in which students develop recommendations and solutions for applied tasks. These could be: Designing a building-based, integrated supply-treatment system for water and wastewater; working out a plan for the environmentally sound retrofit of a housing block; devising an incentive-based scheme for refuse management or recycling of building materials. Project work is inspired by the research activities taking place at the university and can in turn contribute to this research.

## *Schwerpunkt des Studiums*

The REAP programme covers the following areas:

- Sustainability
- Water, material and energy cycles in the city
- Urban noise
- Resource efficient urban technologies and infrastructure
- Economics and administration of buildings and urban services
- Legal and policy instruments
- Urban planning on different scales: building (1:10 - 1:100), neighbourhood (1:500- 1: 5000) and city (1:10000 - 1:100000) scale and regarding the specific geographical and cultural context
- Skills development: dimensioning, perception, assessment and decision making in the field of sustainable resource technologies
- Research methods and decision support techniques

## *Abschluss*

Master of Science (M.Sc.)

# RESOURCE EFFICIENCY IN ARCHITECTURE AND PLANNING

## *Studiendauer*

Four semester

## *Zulassung und Bewerbungsvoraussetzung*

The minimum admission requirements are:

- a Bachelor's degree or recognised equivalent from an accredited institution in Architecture, Urban Planning, Geography, Landscape Architecture, Civil Engineering, Law, Political Science, Business and Administration, Economics, Humanities or others with focus on REAP related fields;
- relevant work experience of at least six months (this may have been gained prior to or while being enrolled at university);
- evidence of English language proficiency;
- demonstrated strong interest as well as personal aims and objectives for the study in the Master of Science REAP programme.

## *Bewerbungsverfahren*

[www.hcu-hamburg.de/master/reap/application-procedure/](http://www.hcu-hamburg.de/master/reap/application-procedure/)

## *Kosten*

375 Euros tuition fee per semester and approx. 267 Euros administration fee per semester.

---

## *Kontakt*

### **HafenCity University Hamburg**

Prof. Wolfgang Dickhaut

Julia Davidson

Hebebrandstraße 1

22297 Hamburg / Germany

[reap-master@hcu-hamburg.de](mailto:reap-master@hcu-hamburg.de)

[www.hcu-hamburg.de/master/reap](http://www.hcu-hamburg.de/master/reap)