Benefits for the Graduate

Are you interested in
- professional project management,
- the development of complex systems solutions,
- creating multidisciplinary approaches by
  the integration of expert knowledge,
- the practical application of scientific results to
  plan and control processes?

The Systems Engineering program aims to provide graduates with greater technological understanding and improved management skills. These are essential for high potentials to resolve engineering, technological and organizational issues in the area of complex systems widely found in business and industry.

The program is intended for project managers, engineers, and scientists who wish to broaden their career prospects. Furthermore, the Master's degree offers graduates the option of enrolling in a PhD program at other universities.

Contact and Further Information

Postal Address
Hochschule München
University of Applied Sciences – München
Electrical Engineering and
Information Technology
Lothstraße 64
80335 München, Germany
Website
www.hm.edu

Application form
Download:
www.ee.hm.edu/studierende/
ipse/Application_form.pdf
Completed applications should be submitted as early as possible to ensure a place in the program.

Registration Office
University of Applied Sciences – München
Registration Office
Lothstrasse 34
80335 München, Germany
imma-amt@hm.edu

Information
Chairman's Office
info-ipse@ee.hm.edu
+49 (0) 89 1265-3400
www.ee.hm.edu/studierende/
ipse/index.html

To contact the program coordinator
Prof. Dr. Werner Kohl
coord@ipse@ee.hm.edu
+49 (0) 89 1265-3461

Systems Engineering
International Master's Program
Study Objectives
The program aims to qualify students to plan, design and integrate complex systems solutions, teaching an effective combination of knowledge and skills in various technical, economic and scientific disciplines.

Students will learn how to analyze, design and test complex systems and become familiar with methods and tools such as project management, quality management, configuration management and work techniques. In addition, economic and social aspects will be covered.

In combination with their previous studies, graduates will be able to manage processes and solve system design problems of high complexity.

The three semester program leads to the degree «Master of Systems Engineering» which is compatible with international standards.

The entire program will be taught in English.

First Semester
- Principles of Systems Engineering
- System Analysis and Testing
- Design of Complex Systems
- Project Management
- Economic Aspects of Project Management
- Work Techniques and Social Skills
- Communication for International Projects
- Germany: Language and Culture for Professional Practice

Second Semester
- System Modeling
- Risk Management
- Quality Control and Configuration Management
- Legal Aspects of Project Management
- International Business and Economics
- Systems Engineering in Selected Applications
- Electives, e.g.
  - Project Learning
  - Intercultural Human Resource Management
  - Knowledge Management
  - Marketing

Third Semester
- Master’s Thesis

Admission Criteria and Costs

Admission criteria are:
- Bachelor’s degree in Engineering or Economics with final grade above average.
- One year of work experience.
- TOEFL score 550/213 or higher (unless English is the native language).
- Statement of motivation (700-1000 words).
- Bank security for tuition.
- Applications are subject to selection through the Munich University of Applied Sciences.
- The required minimum number of students is 18.

Costs
The tuition fee is Euro 4,990 -- per semester (not including accommodation and study materials).