DAAD Deutscher Akademischer Austausch Dienst
German Academic Exchange Service

Transnational Mobility in Bachelor and Master Programmes

Bachelor of Science in Mechanical Engineering and Applied Computer Science

Technical University of Lodz
International Faculty of Engineering (IFE)
Żwirki 36, Łódź, Poland
www.ife.p.lodz.pl

Solid knowledge in mechanics
good background in electrical and electronic engineering, automatics and control, computer science and management

Field of study: **Mechanical Engineering**
Language of instruction: **English**
Duration: **4 years**
ECTS credits: **240**
Study year divided into two semesters: September – January, February - June
25 students in one year
90% of students spending a part of the programme abroad
30 incoming exchange students a year
Partners**: (among others) TU Wien, DTU, Coventry University, University of Strathclyde, FH Brandenburg**

To support the international atmosphere at the International Faculty of Engineering and to give students possibilities to learn to act in a multicultural environment IFE introduced in 1998 the "mobility semester". Today, all VI semester students, approximately 150 students, have the possibility to go to 100 universities in 20 countries under the scheme of the Erasmus programme.

Strengths and Weaknesses

Mobility window supports the horizontal mobility of students in the programme.
Mobility brings experiance of academic, social and cultural diversity.
Mobility window must be well-organized and promoted to convince all students to study abroad. The availability of information on all matters concerinng the mobility period seems to be one of the most important tools of promoting mobility.

Programme contents

Semester 1: Advanced English, Chemistry, Engineering Drawing, Information Technology, Material Science, Mathematics I, Measurements Physics
Semester 2: Basic Mechanical Engineering, Computer Aided Design, Electronics and Electrical Engineering, Foreign Language, Mathematics II, Modern Physics, Fundamentals of Programming
Semester 3: Advanced Material Science, Advanced Mechanical Engineering, Business English for Engineers, Economics, Fluid Mechanics and Thermodynamics, Foreign Language Mathematics III
Semester 4: Design of Machines, Design Project I, Foreign Language, Manufacturing, Mathematics IV, Team Building and Communication Skills
Semester 5: Automatics and Robotics, Design Project II, Elective courses, Energy Resources and Conversion, Foreign Language
Semester 6: MOBILITY WINDOW
Semester 7: Advanced Manufacturing, Ecology and Environmental Management, Elective Courses, FEM Methods, Intellectual Property Protection, Management, Safety at Work and Ergonomics
Semester 8: Industrial Placement, Final Project

Mobility should be open for every student, not only for best ones!