General Information

The Munich Summer School of Applied Sciences embraces an in-depth study of engineering and business topics as well as of cross-cutting issues. The courses are application-orientated, employing state-of-the-art technology and teaching methodology.

The program is directed to international and German Bachelor students of Mechanical Engineering, Automotive Engineering, Electrical Engineering, Industrial Engineering as well as Business studies.

Program Structure

The summer school is a five week program. Students with no or little knowledge of German take an intensive language course in the first week and partly during the second week. Both, international and German students will participate in a course on intercultural communication.

Students will select two credit courses which are taught in English by multinational teams of two or three renowned lecturers from University of Applied Sciences – München, from the Strascheg Center for Entrepreneurship as well as from California Polytechnic State University (USA).

Each course includes 48 student-professor contact hours including laboratory experiments and simulations which is equivalent to 4 ECTS-credits or 3 US-credits (see our homepage for detailed course descriptions).

Courses

Automotive Mechatronics
- Simulation and control of mechatronic systems
- Modelling and simulation of wheel slip-control systems
- Using Simulink to model automotive and kinematic systems

Design of Lightweight Structure
- Machine and structural design
- Metal and composite materials
- Analytical stress and strain calculation
- Thin-Walled Structures
- Introduction to and using of ABAQUS

Thermodynamics
- Work, power and energy
- 1st and 2nd Law of Thermodynamics
- Properties of pure substances
- Entropy, energy, combustion
- Power and Refrigeration Cycles

Product Development
- Marketing and economics as an aspect of design
- Conceptual work on design problems
- Finding out customer needs
- Team building in intern. teams

International Management
- International management framework
- Market entry options
- Mergers & acquisitions
- International customer relationship Management

Innovation and Entrepreneurship
- Entrepreneurship and entrepreneurial spirit
- Implementation of business model
- Development and growth of the enterprise
- Interdisciplinary team work

Additional Information

Supplementary program features

A broad and attractive cultural program will turn the stay in Munich into an unforgettable experience. It includes guided tours, excursions to cultural and historical sites in the area of Munich as well as talks, receptions and festivities. Field trips to major Bavarian (car) companies will complement the program. The University of Applied Sciences – München guarantees professional assistance for the participants by the coordinating staff. Also, bilingual student tutors will support the students to adapt to their daily life in Germany. Participants will be accommodated in student dormitories or hostels.

Requirements

The summer academy is designed for advanced engineering and business students (please see also prerequisites defined in the course descriptions). Good knowledge of English needs to be proven (at least level B2 of CEFR, TOEFL iBT 70 or equivalent, or mother tongue). Also a letter of motivation and a transcript with the most recent grade point average are expected.

Fees

The program fee of 2,190 Euros covers tuition for two subject courses, the German language class, the intercultural communication class as well as housing and the cultural program. It needs to be paid by April 15, 2009. Scholarships are available. Please check our homepage for more details.

"I would recommend this program to anyone. I had the time of my life." Eric, Pennsylvania State University
Study in Munich!

Munich is a leading international economic and technical hub in Europe. Companies like Siemens, O2 and BMW have their headquarters in town; global players like Apple, Intel, Microsoft and Netscape have their German branch offices here.

University of Applied Sciences – München was founded in 1971. Today it is the largest University of Applied Sciences in Bavaria and the second largest in Germany. It maintains excellent contacts to companies and business in and around Munich.

Besides, Munich, the capital city of Bavaria, is a vibrant center of cultural activity. With its nearly 850-year-old history, Munich is a city of theatre and music, film and literature, museums, bars, clubs and festivals. Come and see yourself. Take part in the life of one of Germany’s most exciting cities!

Application

The application deadline is March 15, 2009.
The application form can be downloaded at www.hm.edu/summerschool. Please send it to the University of Applied Sciences - München, either via e-mail (summerschool@hm.edu), via fax (+49-89-1265-1472) or via regular mail to the University of Applied Sciences - München (see contact details below).

Contact

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Financed by the DAAD from funds of the Department for Foreign Affairs

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