ISAE4W - International Summer Academy in Engineering for Women

12th - 22nd July 2016
Wels Campus

University of Applied Sciences Upper Austria
Stelzhamerstrasse 23, 4600 Wels
Austria | Europe

www.fh-ooe.at/isae4w
What is the ISAE4W?
International Summer Academy in Engineering 4 (for) Women

The government of Upper Austria and the University of Applied Sciences Upper Austria offer a unique opportunity for a selected group of highly-motivated and talented women (high school, college or undergraduate students) to experience top-class and challenging university-level coursework.

The Academy’s intensive, two-week programme combines sophisticated theory with hands-on practical experience in engineering and natural sciences. In addition to knowledge transfer in these fields, social, cross-cultural and gender aspects are covered and discussed during lectures and workshops.

Why participate?
>> Improve language and intercultural skills
>> International contacts
>> Broaden technical and scientific knowledge
>> Creativity, fun and experience
>> Earn academic credit (4 ECTS)

Essential Information
>> Date: 12th - 22nd July 2016
>> Target group: women from 18 to 25 years
>> Language of instruction: English
>> Venue:
  University of Applied Sciences Upper Austria
  School of Engineering and Environmental Sciences
  Stelzhamerstraße 23, 4600 Wels, Austria | Europe
>> Fees:
  € 780,- including tuition fees, room for the entire stay, meals on weekdays (weekends are free for individual activities), numerous excursions
>> Application: online from now until 30th April 2016
see www.fh-ooe.at/isae4w
>> Contact: isae4w@fh-ooe.at
Selected Topics

Natural Sciences in Time & Space
>> Development of the natural sciences and world-view from ancient Greece to modern day physics
>> The physics of space travel
>> Observing the universe

Applied Sciences in Theory and Practice
>> Research projects with modern devices and methods at the University of Applied Sciences Upper Austria
>> Career Talks – successful graduates from the University of Applied Sciences Upper Austria report from their careers in science and technology
>> Group project – leading-edge technologies and their impact on society
>> Sustainability – the interconnections of different technological systems and considerations about how changes affect these systems
>> OpenLab of the University of Applied Sciences Upper Austria

Synthetic Biology
>> Synthetic biology – promises and dangers for society
>> General molecular biology – basic introduction into DNA replication and PCR technology

Interesting Places to Visit
>> Companies: visit to the voestalpine with a tour through the steel production site
>> Museums: Ars Electronica Center – museum for information technology and technological advancements in society
>> Cultural highlights in Upper Austria: 30th Pflasterspektakel (street performance festival in Linz)

Specific Topics
>> Intercultural communication and the role of women in science and research
>> From the business idea to the successful company

We are looking forward to meeting you!