JOIN THE ISAE4W

INTERNATIONAL SUMMER ACADEMY IN ENGINEERING FOR WOMEN

14th - 29th July 2020
University of Applied Sciences Upper Austria | Europe

www.fh-ooe.at/isae4w
WHAT IS THE ISAE4W?

For the 7th time the University of Applied Sciences Upper Austria offers 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 and a half week programme combines sophisticated theory with hands-on practical experience in engineering and natural sciences. Besides knowledge transfer in these fields, social, cross-cultural and gender aspects are covered and discussed during lectures and workshops.

Why participate?
» Broaden technical & scientific knowledge
» Explore the impact of technology on our society in the future
» Earn academic credit (4 ECTS)
» Improve language and intercultural skills
» Make friends from all over the world
» Creativity, fun and experience

Essential Information
» Date: 14th - 29th July 2020
» Target group: women from 18 to 25 years
» Language of instruction: English
» Venue: University of Applied Sciences Upper Austria, Wels, Austria | Europe
» Fees: € 780,- including tuition fees, room for the entire stay, meals on weekdays (weekends are free for individual activities), numerous field trips

Application
» Please send an e-mail to isae4w@fh-ooe.at
You will then receive a personalized registration link to our online application portal
» Application deadline: 30th April 2020
» Applicants will be notified about the outcome of the review and selection-process by End of May 2020.

*Please note that due to limited capacities a maximum of two students per specialization and a total of four students per institution can be accepted. Acceptance decisions will be made exclusively based on the students’ qualifications and the fit with the offered specialization. Competitive entry: We reserve the right to decline applicants.
Topics*

**Applied Sciences in Theory and Practice**
- Group project: cutting-edge technologies and their impact on society
- Project Management
- Internet of Things for Astronomical Observation
- Creative Science: Discover Golden Ratio
- Dynamics of Space Vehicles
- Scientific World View

**Interesting Places to Visit**
- Companies:
  - Rosenbauer (systems for firefighting and disaster protection)
  - Andritz Hydro (Water Turbines)
- Museums: Ars Electronica Center – museum for information technology and technological advancements in society
- Cultural highlights in Upper Austria: Pflasterspektakel – street performance festival

**Engineering Areas**
- **Environmental Engineering and Biotechnology**
  - GMO Detection in Food
  - Hydropower
- **Electronics & Automation**
  - Robotics Workshop
  - Current Topics in Medical Technology
- **Industrial Engineering**
- **Mechanical Engineering**
- **Applied Mathematics**

**Women in Engineering**
- The role of women in science and research
- Science World Café: successful scientists from the FH Upper Austria report from their careers and research projects
- Opportunities for future exchange, degree studies, traineeships, funding opportunities

*Topics are subject to modification

Find a detailed schedule at [www.fh-ooe.at/isae4w](http://www.fh-ooe.at/isae4w)