

Green Science

Analyze – Predict – Act Shape a Sustainable Future

Green Science combines cutting-edge technologies and approaches to prepare you for solving real-world environmental challenges. The program focuses on the key environmental systems of water, soil, and air. You will learn how to analyze, model, and improve these systems using advanced methods in data analytics, environmental modelling, and life cycle assessment.

You will build a strong foundation in natural sciences, sustainability, and technology while gaining practical skills in modern laboratories. Project-based learning is a key component of the curriculum, enabling you to apply your knowledge to real-world challenges.

With its international setting, practical training, and transferable skills, Green Science empowers you to analyze, predict, and act in addressing complex sustainability challenges. Graduates are ready for various Master study programs and career opportunities in environmental technology, sustainable industries, and cutting-edge research, all united by common goal: shaping a greener future.

Career Profile

Graduates of the Green Science program are highly sought after across sustainability-focused industries. Career opportunities range from biological, chemical, and environmental laboratories to circular economy, resource management, environmental and sustainability management, the development of innovative green technologies, as well as water, air, and soil technologies. Start your journey towards a sustainable career and become part of the solution for a greener future.

Study Focus

- Biology/Chemistry
- Life-Cycle Assessment/Sustainability
- Laboratory Management
- Environmental technologies
- German – professional Cambridge Level B2.2
- Project-based learning approaches
- Interdisciplinary and transfer skills

Degree

- Bachelor of Science (BSc)

Duration

- 6 Semester (180 ECTS)

Language of Instruction

- English

Admission Requirements

- A level/high school diploma or equivalent
- English at B2 level (IELTS or TOEFL) and German A1 level with Berlitz On-Demand at semester start

Application

- Online: fh-ooe.at/application

Admission Procedure

- Online application, MS Teams interview with pre-selected candidates

Internship

- Minimum 9 weeks in Austria or abroad

Mode of study

- Full-time

Tuition Fees

- EU/EEA citizens: 363.36 EUR¹ per semester
 - all others: 767.72 EUR¹ per semester
- Scholarships available as of the 2nd semester (merit based).

¹ plus Austrian Student Union fee



Curriculum

Science & Technology Basics

01 Sem	Analyze
	i.e. natural science, mathematics, business administration & cultural integration
02 Sem	Analyze
	i.e. natural science, physics, business administration, social skills & cultural integration

Science & Technology Applications

03 Sem	Predict – all about water
	i.e. data analysis, thermodynamics, quality management
04 Sem	Predict – all about soil
	i.e. climate, molecular biology, good laboratory practice
05 Sem	Predict – all about air
	i.e. sustainability, good manufacturing practice, project management
06 Sem	Act
	i.e. environmental ethics, law, internship, bachelor thesis

Ready4UpperAustria

The program offers strong practical and research experience through hands-on laboratory courses, field projects, and applied case studies. Students work with modern analytical methods, follow professional standards and develop their own research ideas. German courses with a total of 25 ECTS credits will also make you feel at home in Austria and lay the foundation for a successful start in the German-speaking job market.

Good to Know

→ To support German-speaking students in adapting to an English-speaking academic environment, English is taught as a foreign language during the first two semesters. The courses help students build confidence in academic communication while raising their language proficiency to Cambridge Level C1.



Welcome to a journey filled with exciting topics, innovation, and discovery, all aimed at preserving our planet as a valuable place to live for future generations. If you are passionate about biology, chemistry, the environment, and technology, Green Science offers you the opportunity to actively contribute to addressing some of the most important challenges facing our society today.

Join us and turn your interests into the foundation of a future-oriented and inspiring education. Our program will equip you with the knowledge and skills to build a meaningful career and make a positive impact on the world.

I look forward to welcoming you personally to our campus in Wels and accompanying you on this exciting journey.

Manuel Selg, Ph.D.
Study program director



What excites me about my degree program is the combination of natural sciences, technology, and sustainability. Thanks to the broad education, I was able to further develop my interests in a targeted way and find my specialization in environmental engineering. The hands-on teaching and the welcoming, close-knit atmosphere in Wels provide the ideal environment to actively contribute to solutions for future ecological challenges.

Sarah Kukral
Graduate

Contact

Head of Studies

→ Manuel Selg, Ph.D.

Administrative Assistants

→ Petra Schiffer, Christa Damböck

University of Applied Sciences Upper Austria
School of Engineering
Stelzhamerstrasse 23, 4600 Wels/Austria
+43 5 0804 43040 | sekretariat.gs@fh-wels.at