



**02 - COURSES TRAIN THE TRAINER FOR PROFESSION  
“DISPOSAL AND RECYCLING EXPERTS – WASTEWATER”**

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***SLOVAK AUSTRIAN GERMAN ALLIANCE  
VOCATIONAL EDUCATION AND TRAINING***

## **02 - COURSES TRAIN THE TRAINER FOR PROFESSION “DISPOSAL AND RECYCLING EXPERTS – WASTEWATER”**

**Project:** SAGA FOR VET

**Activity:** Train the Trainer Week

**When?:** 17 – 21 October 2016

**Where?:** Bildungszentrum Muldenstraße, BZM

Muldenstraße 5, A-4020 Linz



***SLOVAK AUSTRIAN GERMAN ALIANCE  
VOCATIONAL EDUCATION AND TRAINING***

# PROGRAMME

**Framework program on "Train the Trainer" within the framework of the SAGA for a VET project (the intellectual output O2-O7)**

The goal of this program is to provide comprehensive knowledge regarding theoretical and practical part of the education to the participants with respect to the selected program/profession. On the basis of the information received, the participants should be able to understand the analyses of the professions developed by the partners of the BBRZ-Group and EBG and also should be active in the development of various educational programs. (accreditation) in Slovakia. In addition, the participants of the program "Train the Trainer" are able to independently conduct training programs, and to pass on the acquired information to attendees of accredited educational programs in Slovakia.

# PROGRAMME – 17 OCTOBER 2016

Time	Content	Person responsible	Location
	all the participants together		
09:00 – 12:00 a.m.	Greeting Presentation of the program and organisation The system of dual vocational education Special forms of dual vocational education	BFI ÖÖ Gerald Roithmeier	BZM Muldenstraße 5, 4020 Linz, 4 <sup>th</sup> floor, room M2
12:15 – 1:15 p.m.	Lunch		Canteen BZM
1:30 – 2:30 p.m.	Methodology and didactics	BFI ÖÖ Leonard Niederwimmer MA	BZM Muldenstraße 5, 4020 Linz, 4 <sup>th</sup> floor, room M2
2:30 – 3:30 p.m.	Train the Trainer	BFI ÖÖ Mag. Eva Mittendorfer	BZM Muldenstraße 5, 4020 Linz, 4 <sup>th</sup> floor, room M2

# PROGRAMME – 18 OCTOBER 2016

Time	Content	Person responsible	Location
	<b>The qualification of "Locksmith – metal technician" and "Operator in water management company"</b>		
08:00 – 09:00 a.m.	Transport to Laakirchen	BFI OÖ Judith Zaller	
09:00- 11:00 a.m.	Visit to UPM Laakirchen Workshops and Wastewater treatment plant	Mr. Avinger Mr. Sperl	Fabrikplatz 1 4662 Laakirchen
	<b>The Qualification "Sewer in automotive industry – upholstery in vehicles"</b>		
1:30 – 2:30 p.m.	Transport to Lilienfeld	BFI OÖ Gerald Roithmeier	
09:00 – 11:00 a.m.	Visit to vocational school Lilienfeld	Dir. Ing. Johann Atzinger	Berghofstraße 14, 3180 Lilienfeld
11:00 – 12:00	Transport to Linz	BFI OÖ Gerald Roithmeier	
12:00 – 1:00 p.m.	Lunch		Canteen BZM
2:30 – 3:00 p.m.	Voest Alpine workshops	Mr. Grubmüller	Voestalpine-Straße 3 Linz
3:00 – 4:30 p.m.	Visit to steel plant Voest Alpine	BFI OÖ Gerald Roithmeier/Judith Zaller	Voestalpine-Straße 3 Linz

# PROGRAMME – 19 OCTOBER 2016

Time	Content	Person responsible	Location
<b>The qualification of "Locksmith – metal technician" and "Operator in water management company"</b>			
09:00 – 12:00 a.m.	Visit to vocational school	Dir. Ing. Reinhold Felber	Makartstraße 3a Linz
12:00 – 1:00 p.m.	Lunch	p	Canteen BZM or BBRZ
1:15 – 3:45 p.m.	Transport to Asten	Judith Zaller	
2:00 – 4:00 p.m.	Visit to the wastewater plant Asten	Mr. Gamperer	Ipfordorfer Straße 7, Asten
<b>The Qualification "Sewer in automotive industry – upholstery in vehicles"</b>			
07:30 – 10:00 a.m.	Transport to Graz	BFI OÖ Gerald Roithmeier	
10:00 – 12:00	Visit to the company MAGNA –workshops	Mr. Schröttner Mr. Walser	Liebenauer Hauptstraße 317, Graz
12:00 – 1:00 p.m.	Lunch		GRAZ
3:00 – 5:30 p.m.	Transport to Wels	BFI OÖ Gerald Roithmeier	
3:00 – 5:30 p.m.	Visit to the upholstery company Sattlerei Winklkmayr	Georg Winklmayr	4600 Wels

# PROGRAMME – 20 OCTOBER 2016

Time	Content	Person responsible	Location
	all the participants together		
09:00 – 11:30 a.m.	Systematics of apprenticeship The test of the qualified worker Test workshop	WK OÖ Mr. Riegler	WIFI Wiener Straße 150 Linz
12:00 – 1:00 p.m.	Lunch		Canteen BZM
1:15 – 3:30 p.m.	Lecture on Health and Safety at Work	BFI OÖ Ing. Mag. Gudrun Wolfschwenger	BZM Muldenstraße 5, 4020 Linz, 4 <sup>th</sup> floor, room M2

# PROGRAMME – 21 OCTOBER 2016

Time	Content	Person responsible	Location
	all the participants together		
09:00 – 12:00 a.m.	Summary Reflection Discussion	BFI OÖ Gerald Roitmeier	WIFI Wiener Straße 150 Linz
12:00 – 1:00 p.m.	Lunch		Canteen BZM



# TRAINING REGULATIONS ON PROFESSION “DISPOSAL AND RECYCLING EXPERTS – WASTEWATER”

Thanks to vocational training in a training company and vocational school, an apprentice trained in “Disposal and recycling experts – wastewater” is qualified to carry out the following tasks in a competent, independent and autonomous way:

1. Equipment of the work place
2. Reading and preparing simple sketches and drawings
3. Maintenance and servicing of devices, machines and plants for the handling of wastes and residual materials
4. Detection and classification of wastes and residual materials
5. Selection of disposal and recycling strategies
6. Analysis and documentation of collection and treatment of wastes and residual materials
7. Professional and secure operation of waste technology devices, machines and plants
8. Competence to carry out professional tasks such as landfill guard and waste management officer
9. Supervision over landfill entrance
10. Participation in consulting regarding waste and residual materials

# DISPOSAL AND RECYCLING EXPERT WASTEWATER

**Training companies: Companies with focus on wastewater disposal as well as reprocessing treatment.**

Disposal and recycling expert on wastewater area work in all areas regarding wastewater disposal as well as reprocessing treatment (sewage systems and wastewater treatment plants Besides determination of handling methods of wastewater and professional operation and supervision over wastewater treatment plants, consulting on sewage avoidance and reduction is becoming increasingly important.

# DISPOSAL AND RECYCLING EXPERT WASTEWATER

## Important training contents:

- Operation and maintenance of wastewater treatment machines and equipment (e. g. wastewater treatment plants)
- Identification, analysis and classification of wastewater
- Selection of disposal and treatment method
- Tasks such as official responsible for a sewage treatment plant
- Consulting on sewage avoidance and reduction

# SUBJECT TEACHING

- **NATURAL SCIENCES**
  - Area of competence “Chemical and biochemical substances, reactions and processes”
  - Area of competence “Disposal and recycling technology”
  - Area of competence “Technical and legal documentation”
- **WASTE ENGINEERING AND ENVIRONMENTAL TECHNOLOGY**
  - Area of competence “Chemical and biochemical substances, reactions and processes”
  - Area of competence “Disposal and recycling technology”
  - Area of competence “Technical and legal documentation”
- **APPLIED MATHEMATICS**
  - Area of competence “Chemical and biochemical substances, reactions and processes”
  - Area of competence “Disposal and recycling technology”
  - Area of competence “Technical and legal documentation”
- **PROJECT LABORATORY**

# SUBJECT TEACHING



Your vocational training at UPM Steyrermühl

Vocational training opportunities at UPM at Steyrermühl

The UPM Steyrermühl paper mill was founded in 1868 and recently produces around 470,000 tons of high-quality magazine and newspaper printing papers for daily newspapers, newspaper supplements, catalogs, and more on two modern paper machines each year. Waste paper and wood pulp are used as primary raw materials for production.

The Steyrermühl plant combines tradition and progress. In this way, technological innovations were always developed, resource-conserving production methods were introduced and the high quality requirements were ensured by continuous improvement.

# SUBJECT TEACHING

## Entsorgungs- & Recyclingfachmann/-frau für Abfall/Abwasser

### Tätigkeitsspektrum/Einsatzbereiche

UPM betreibt in Steyrermühl eine betriebseigene Kläranlage die auch die kommunalen Abwässer reinigt. Dort wird die umweltgerechte Abfall- und Abwasserbehandlung sicher gestellt.

Entsorgungs- und Recyclingfachleute sorgen für die ständige Überwachung der Umwelanlagen, führen die Abwasseranalytik im Labor durch, warten und reinigen die Anlagen und erledigen kleinere Reparaturen an Pumpen und Maschinen.

### Voraussetzungen

- Qualifizierter Pflichtschulabschluss
- Interesse an Technik und naturwissenschaftlichen Fächern
- Ein hohes Maß an Genauigkeit und logisches Denken
- Unempfindlichkeit gegenüber chem. Stoffen & Gerüchen
- Selbständige Arbeitsweise & Teamgeist

### Ausbildung

Die Ausbildung dauert 4 Jahre.

Der Berufsschulunterricht findet geblockt einmal jährlich in der Berufsschule Linz 3 statt.

Kernstück der Ausbildung sind Biologie bis hin zur Mikrobiologie und Chemie sowie Anlagentechnik. Erlernt wird das Analysieren von Abwasser und Abfällen im Labor sowie die Klassifikation und umweltgerechte Entsorgung.



# SUBJECT TEACHING



## WHAT IS THE ÖWAV?

Since 1909 the Austrian Water and Waste Management Association (ÖWAV) has represented the entire Austrian water and waste management sectors. The ÖWAV is a non profit organisation and is therefore considered an "independent counsellor" with the goal of achieving sustainable water, wastewater and waste management objectives in Austria.

# SUBJECT TEACHING



## The ÖWAV education and training program

- Conferences and seminars
- Workshops and symposia
- Courses focusing on: – Waste treatment plants; – Waste water treatment plants; – Sewer systems; – Hydro dams and retention basins; – Manufactured snow systems; – Ecological river engineering; – Hydro maintenance
- Knowledge and experience transfer for – Personnel of waste treatment plants; – Personnel of wastewater treatment plants; – Flood protection associations
- Specialized training for executives



# SUBJECT TEACHING



## WELCOME ON THE WEBSITE OF VOCATIONAL SCHOOL LINZ 3

Vocational school for Chemical laboratory engineering, Chemical process engineering, Disposal and recycling expert, Design engineer, Automotive engineering, Metal technician, Pharmaceutical technician, Production technician and Technical draftsman, ...

### Contact

Makartstraße 3a, 4020 Linz

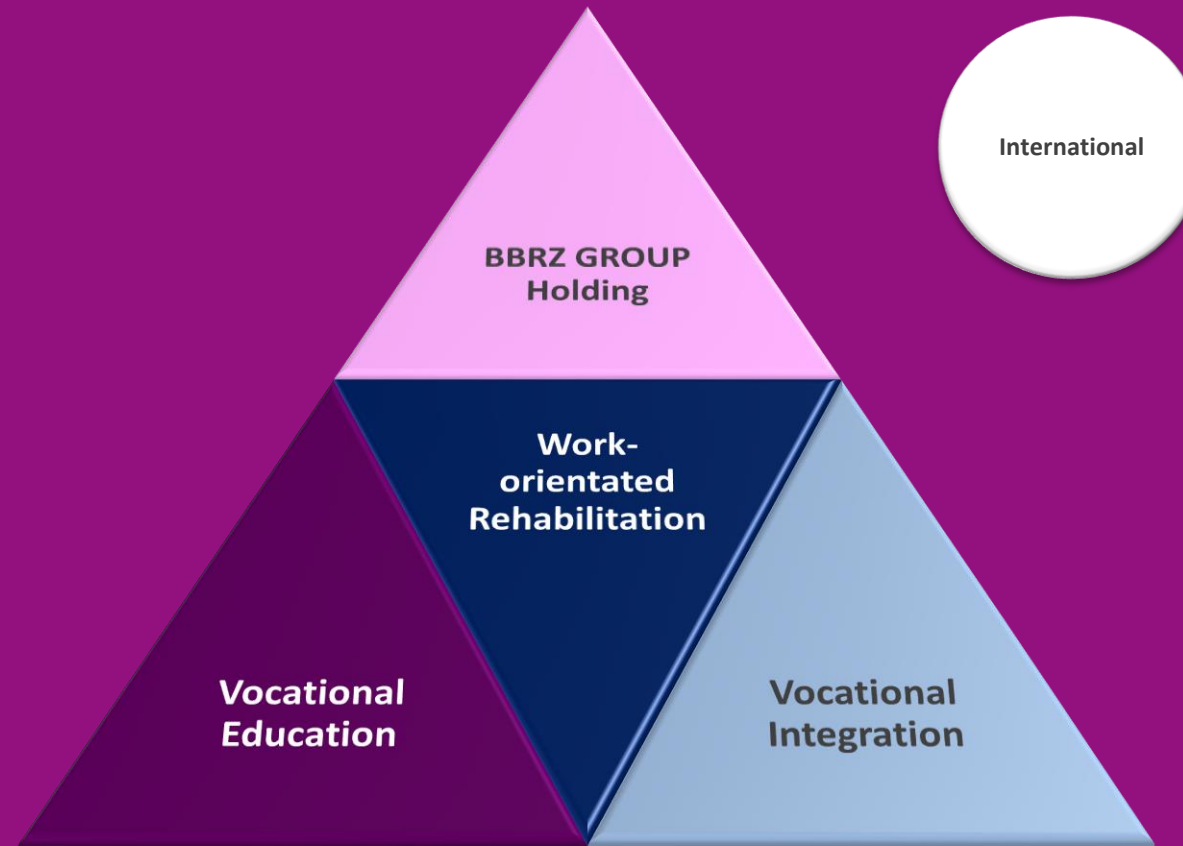
T 0732 65 15 64, F 0 732 7720-25 84 09

E-Mail [bs-linz3.post@ooe.gv.at](mailto:bs-linz3.post@ooe.gv.at)

# FINAL APPRENTICESHIP EXAMINATION

- Final exam
  - Test work
  - Expert discussion
  
- Theoretical exam
  - Technical knowledge
  - Specialized technical knowledge
  - Technical calculation

# Overview



- Courses: 5.000
- Turnover: 60,2 Mio Euro
- Employees: 1.850  
(including 1.200 trainers)
- Participants: 55.000
- 5 regions with 45 sites
- Market share in Upper Austria: 33 %



- Comprehensive provider in the field of adult education
- Biggest provider for second chance education in Upper Austria and distance learning at university level
- Market leader in social services and health care colleges
- Reliable and competent training organisation for skilled workers and apprentices in cooperation with companies
- Developer and promoter of innovative projects
- Training center for people with migrant background, NEET's and youths in transition from school to work