

TICHE ACADEMY

Training Offer



ABSTRACT

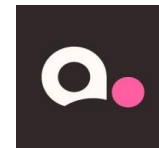
TICHE - Training Innovation for Circularity and Holistic economies - is an Erasmus project aims at establishing a **European VET Academy on Circular Economy**, based on a transnational cooperation of a very experienced and complementary partnership, (including associated partners), joining Research centers, Vet centres, University, SMEs, clusters, Umbrella organizations and international networks, public administrations, that will work together as an ecosystem to increase capacity building and responsiveness of the VET systems, according to an “European Education Area”.



Università
degli Studi
di Ferrara



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LEARN MORE ABOUT THE PROJECT



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Template for the TICHE Academy training offer's detailed description

General Description of the training initiative

Training initiative (title) <i>(ex. Expert in an eco-design for circular economy in the textile and fashion industries)</i>	Certificate of Professional Competence (CAP in French) in Urban Environment Cleaning, Collection and Recycling
EQF Level (if applicable)	VET - Certificate of Professional Competence
Proficiency level <i>(foundation/basic, intermediate, advanced, high specialized level)</i>	Intermediate
Expected learning outcomes <i>(By the end of this course, the learners will acquire)</i>	By the end of this training, the learners will master urban cleaning, waste collection, and waste treatment and recovery techniques
Methodologies	800 hours of theoretical courses + 456 hours internship in companies
Mode of Learning <i>(Blended, online, onsite)</i>	Alternating of face-to-face courses and internship periods in companies
Assessment <i>(ex. test)</i>	<p>Final evaluations (marks out of 20) defined by the French national education system detailed here:</p> <ul style="list-style-type: none"> • Professional Unit 1: Cleaning and urban cleanliness techniques (coefficient 4) + Environmental Health Prevention (coefficient 1) • Professional Unit 2 : Waste collection techniques (coefficient 3) • Professional Unit 3: Waste treatment/valorization techniques (coefficient 4) • General Unit 1: French, History-Geography, civic education (coefficient 3) • General Unit 2: Mathematics, physical and chemical sciences (coefficient 2)
Certification and recognition	Certificate of Professional Competence, level 3 in France
Targets	Job seekers with low level of education
Delivery Language/s	French

Modules of the training initiative

Module N.	Title of the Module/s	Learning/training hours (total)
MODULE 1	Cleaning and urban cleanliness techniques Environmental Health Prevention	105h theory + 140h internship 35h theory
MODULE 2	Waste collection techniques	91h theory + 140h internship
MODULE 3	Waste treatment/valorization techniques	105h theory + 140h internship
MODULE 4	French, History-Geography, civic education	105h
MODULE 5	Mathematics, physical and chemical sciences	70h
MODULE 6	Truck permit Passing of safe driving aptitude certificate First aid at work training	196h
MODULE 7	Tailored accompaniment	98h

Module's detailed description

MODULE 1	
Title of the module: Cleaning and urban cleanliness techniques & Environmental Health Prevention	
<i>Main objectives of the module</i>	
<ul style="list-style-type: none"> • Master the techniques of cleaning and urban cleanliness • Identify technical and professional expectations in this sector • Master and put into application the rules of hygiene and safety 	
<i>Contents/subjects of the module</i>	
<ul style="list-style-type: none"> • Regulations • Description of the daily tasks in the targeted job • Manual cleaning techniques • Mechanized cleaning techniques • Hygiene and safety rules 	
Learning Outcomes The Learner will <i>(ex. Have a clear understanding of the concept of CE, its historic development, its definitions, its principles. Know key examples of CE in practice.)</i>	Assessment criteria: The learner can <i>(ex. Define the concept of CE and provide relevant examples. Identify relevant supporting concepts related to CE.)</i>
<ul style="list-style-type: none"> • Have a clear understanding of the main regulations and norms framing the sector of waste management • Describe manual cleaning techniques as well as mechanized cleaning techniques • Have a clear understanding of the main hygiene and safety 	<ul style="list-style-type: none"> • Respect main regulations and norms in waste management during internships • Practice manual cleaning techniques as well as mechanized cleaning techniques • Describe and respect main hygiene and safety rules and apply them daily

ACHIEVEMENTS

Module: Cleaning and urban cleanliness techniques & Environmental Health Prevention		
Knowledge	Skills	Competencies
<i>(Means the body of facts, principles, theories and practices that is related to a field of work or study. It is described as theoretical and/or factual knowledge)</i>	<i>(Means the ability to apply knowledge and use know-how to complete tasks and solve problems. They are described as cognitive (logical, intuitive, and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments)</i>	<i>(Means the proven ability to use knowledge, skills and personal, social and methodological abilities in work or study situations and in professional and personal development. It is described in terms of responsibility and autonomy)</i>
At the end of this unit the participant will know:	At the end of this unit the participant will be able to:	At the end of this unit, the participant will have acquired the responsibility and autonomy to:
<ul style="list-style-type: none"> • The different cleaning techniques, manual and mechanise • Relations with users 	<ul style="list-style-type: none"> • Carry out the cleaning of a street or other public space using appropriate cleaning techniques 	<ul style="list-style-type: none"> • Choosing and critiquing your I.P.E. and work materials

MODULE 2	
Title of the module: Waste collection techniques	
<i>Main objectives of the module</i>	
<ul style="list-style-type: none"> • Same as Module 1 • Master the techniques of cleaning and urban cleanliness • Identify technical and professional expectations in this sector • Master and put into application the rules of hygiene and safety 	
<i>Contents/subjects of the module</i>	
<ul style="list-style-type: none"> • Regulations • Different types of waste • Door-to-door collection • Voluntary drop-off point collection • The functioning of the waste collection centers 	
Learning Outcomes The Learner will <i>(ex. Have a clear understanding of the concept of CE, its historic development, its definitions, its principles. Know key examples of CE in practice.)</i>	Assessment criteria: The learner can <i>(ex. Define the concept of CE and provide relevant examples. Identify relevant supporting concepts related to CE.)</i>
<ul style="list-style-type: none"> • Have a clear understanding of the main regulations in waste management sector • Know the main types of wastes produced in France • Have a clear understanding of the process of a waste collection center 	<ul style="list-style-type: none"> • List and describe the main regulations framing the waste management sector • Identify and differentiate the different types of wastes treated in collection centers • Describe the different steps of the process in a waste collection center

ACHIEVEMENTS

Module: Waste collection techniques		
Knowledge	Skills	Competencies
<i>(Means the body of facts, principles, theories and practices that is related to a field of work or study. It is described as theoretical and/or factual knowledge)</i>	<i>(Means the ability to apply knowledge and use know-how to complete tasks and solve problems. They are described as cognitive (logical, intuitive, and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments)</i>	<i>(Means the proven ability to use knowledge, skills and personal, social and methodological abilities in work or study situations and in professional and personal development. It is described in terms of responsibility and autonomy)</i>
At the end of this unit the participant will know:	At the end of this unit the participant will be able to:	At the end of this unit, the participant will have acquired the responsibility and autonomy to:
<ul style="list-style-type: none"> • The different collection techniques; • The different collection vehicles and containers. 	<ul style="list-style-type: none"> • Carry out a waste collection round in pairs; • Explain what they are doing and why they are doing it. 	<ul style="list-style-type: none"> • Respecting safety rules during a collection round.

MODULE 3	
Title of the module: Waste treatment/valorization techniques	
<i>Main objectives of the module</i>	
<ul style="list-style-type: none"> • Same as Module 1 • Master the techniques of cleaning and urban cleanliness • Identify technical and professional expectations in this sector • Master and put into application the rules of hygiene and safety 	
<i>Contents/subjects of the module</i>	
<ul style="list-style-type: none"> • Waste sorting techniques and the operation of sorting centers • Different ways of waste recovery • The 11 waste treatment channels in France 	
Learning Outcomes The Learner will <i>(ex. Have a clear understanding of the concept of CE, its historic development, its definitions, its principles. Know key examples of CE in practice.)</i>	Assessment criteria: The learner can <i>(ex. Define the concept of CE and provide relevant examples. Identify relevant supporting concepts related to CE.)</i>
<ul style="list-style-type: none"> • Understand that there are different sorting techniques according to the types of sorting centers • Know the main waste treatment channels in France 	<ul style="list-style-type: none"> • Practice waste sorting techniques during internships • Describe the different processes for waste recovery • List and differentiate the main waste treatment channels in France

ACHIEVEMENTS

Module: Waste treatment/valorization techniques		
Knowledge	Skills	Competencies
<i>(Means the body of facts, principles, theories and practices that is related to a field of work or study. It is described as theoretical and/or factual knowledge)</i>	<i>(Means the ability to apply knowledge and use know-how to complete tasks and solve problems. They are described as cognitive (logical, intuitive, and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments)</i>	<i>(Means the proven ability to use knowledge, skills and personal, social and methodological abilities in work or study situations and in professional and personal development. It is described in terms of responsibility and autonomy)</i>
At the end of this unit the participant will know:	At the end of this unit the participant will be able to:	At the end of this unit, the participant will have acquired the responsibility and autonomy to:
<ul style="list-style-type: none"> • The different techniques of waste separation; • The advantages and disadvantages of different types of waste recovery. 	<ul style="list-style-type: none"> • Explain the functioning of a sorting centre; • Explain the different waste recovery methods; • Directing users at the waste disposal centre. 	<ul style="list-style-type: none"> • Sorting all types of waste.

MODULE 4	
Title of the module: French, History-Geography, civic education	
<i>Main objectives of the module</i>	
<ul style="list-style-type: none"> • Read, write and understand basic French in a professional environment • Have basic notions of History and Geography for general culture • Have basic notions of civic education in France 	
<i>Contents/subjects of the module</i>	
<ul style="list-style-type: none"> • Writing exercises: resume, cover letters, small reports on company visits • Lectures and exercises on basic notions of History and Geography for general culture • Lectures and exercises on basic notions of civic education in France 	
Learning Outcomes The Learner will <i>(ex. Have a clear understanding of the concept of CE, its historic development, its definitions, its principles. Know key examples of CE in practice.)</i>	Assessment criteria: The learner can <i>(ex. Define the concept of CE and provide relevant examples. Identify relevant supporting concepts related to CE.)</i>
<ul style="list-style-type: none"> • Read, write, and understand French in a professional environment. 	<ul style="list-style-type: none"> • Express himself correctly (speaking and writing) • Be well understood by others • Respect others and hierarchy

ACHIEVEMENTS

Module: French, History-Geography, civic education		
Knowledge	Skills	Competencies
<i>(Means the body of facts, principles, theories and practices that is related to a field of work or study. It is described as theoretical and/or factual knowledge)</i>	<i>(Means the ability to apply knowledge and use know-how to complete tasks and solve problems. They are described as cognitive (logical, intuitive, and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments)</i>	<i>(Means the proven ability to use knowledge, skills and personal, social and methodological abilities in work or study situations and in professional and personal development. It is described in terms of responsibility and autonomy)</i>
At the end of this unit the participant will know:	At the end of this unit the participant will be able to:	At the end of this unit, the participant will have acquired the responsibility and autonomy to:
<ul style="list-style-type: none"> • General knowledge of French History-Geography and civic education 	<ul style="list-style-type: none"> • Exchange in French with his colleagues and employer • Write professional documents (reports...) 	<ul style="list-style-type: none"> • Write summaries and make short oral summaries in French, History-Geography, civic education

MODULE 5	
Title of the module: Mathematics, physical and chemical sciences	
<i>Main objectives of the module</i>	
Have basic knowledge in math, physics, and chemistry	
<i>Contents/subjects of the module</i>	
<ul style="list-style-type: none"> • Math exercises • Theory on waste materials properties 	
Learning Outcomes The Learner will <i>(ex. Have a clear understanding of the concept of CE, its historic development, its definitions, its principles. Know key examples of CE in practice.)</i>	Assessment criteria: The learner can <i>(ex. Define the concept of CE and provide relevant examples. Identify relevant supporting concepts related to CE.)</i>
<ul style="list-style-type: none"> • Have a clear understanding of the different material properties found in waste management • Know the basic rules to calculate distances and costs 	<ul style="list-style-type: none"> • Calculate distances, costs • Differentiate different waste materials

ACHIEVEMENTS

Module: Mathematics, physical and chemical sciences		
Knowledge	Skills	Competencies
<i>(Means the body of facts, principles, theories and practices that is related to a field of work or study. It is described as theoretical and/or factual knowledge)</i>	<i>(Means the ability to apply knowledge and use know-how to complete tasks and solve problems. They are described as cognitive (logical, intuitive, and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments)</i>	<i>(Means the proven ability to use knowledge, skills and personal, social and methodological abilities in work or study situations and in professional and personal development. It is described in terms of responsibility and autonomy)</i>
At the end of this unit the participant will know:	At the end of this unit the participant will be able to:	At the end of this unit, the participant will have acquired the responsibility and autonomy to:
<ul style="list-style-type: none"> • General knowledge of Mathematics, physical and chemical sciences 	<ul style="list-style-type: none"> • Write professional documents (reports...) 	<ul style="list-style-type: none"> • To differentiate materials in waste management • To calculate distances and costs

MODULE 6	
Title of the module: Passing of professional certificate and permit	
<i>Main objectives of the module</i>	
<ul style="list-style-type: none"> • Validation of the Truck permit • Validation of safe driving aptitude certificate • Validation of first aid at work training 	
<i>Contents/subjects of the module</i>	
<ul style="list-style-type: none"> • Passing the truck permit • Passing the safe driving aptitude certificate • 2 days of training on first aid at work 	
Learning Outcomes The Learner will <i>(ex. Have a clear understanding of the concept of CE, its historic development, its definitions, its principles. Know key examples of CE in practice.)</i>	Assessment criteria: The learner can <i>(ex. Define the concept of CE and provide relevant examples. Identify relevant supporting concepts related to CE.)</i>
<ul style="list-style-type: none"> • Know traffic regulations applied to trucks • Know rules and instructions to drive specific engines • Know the main gestures, information to collect and numbers to contact for first aid 	<ul style="list-style-type: none"> • Drive safely respecting traffic regulations applied to trucks • Drive safely specific engines • React as expected facing an incident needing first aid

ACHIEVEMENTS

Module: Passing of professional certificate and permit		
Knowledge	Skills	Competencies
<i>(Means the body of facts, principles, theories and practices that is related to a field of work or study. It is described as theoretical and/or factual knowledge)</i>	<i>(Means the ability to apply knowledge and use know-how to complete tasks and solve problems. They are described as cognitive (logical, intuitive, and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments)</i>	<i>(Means the proven ability to use knowledge, skills and personal, social and methodological abilities in work or study situations and in professional and personal development. It is described in terms of responsibility and autonomy)</i>
At the end of this unit the participant will know:	At the end of this unit the participant will be able to:	At the end of this unit, the participant will have acquired the responsibility and autonomy to:
<ul style="list-style-type: none"> • Specificity of the Highway Code for trucks 	<ul style="list-style-type: none"> • Have the right gestures and reflexes in case of first aid needed 	<ul style="list-style-type: none"> • Drive and use safely trucks and engines in a professional environment

MODULE 7	
Title of the module: Tailored accompaniment	
<i>Main objectives of the module</i>	
<ul style="list-style-type: none"> • Define learners' professional project • Identify potential employers • Apply to job offers 	
<i>Contents/subjects of the module</i>	
<ul style="list-style-type: none"> • Writing of a resume • Writing of cover letters • Methods to search and identify potential employers • Methods to send applications • Methods to conduct a job interview 	
Learning Outcomes The Learner will <i>(ex. Have a clear understanding of the concept of CE, its historic development, its definitions, its principles. Know key examples of CE in practice.)</i>	Assessment criteria: The learner can <i>(ex. Define the concept of CE and provide relevant examples. Identify relevant supporting concepts related to CE.)</i>
<ul style="list-style-type: none"> • Identify key information in a CV and cover letter • Identify and use the right networks for job search • Have the right posture during a job interview 	<ul style="list-style-type: none"> • Write a resume and a cover letter in French without mistakes • Identify relevant employers for his job search • Pass several job interviews at the end of the training

ACHIEVEMENTS

Module: Tailored accompaniment		
Knowledge	Skills	Competencies
<i>(Means the body of facts, principles, theories and practices that is related to a field of work or study. It is described as theoretical and/or factual knowledge)</i>	<i>(Means the ability to apply knowledge and use know-how to complete tasks and solve problems. They are described as cognitive (logical, intuitive, and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments)</i>	<i>(Means the proven ability to use knowledge, skills and personal, social and methodological abilities in work or study situations and in professional and personal development. It is described in terms of responsibility and autonomy)</i>
At the end of this unit the participant will know:	At the end of this unit the participant will be able to:	At the end of this unit, the participant will have acquired the responsibility and autonomy to:
<ul style="list-style-type: none"> • Professional attitudes and behavior 	<ul style="list-style-type: none"> • Write a resume and a cover letter tailored to a job offer/employer 	<ul style="list-style-type: none"> • Answer with relevant answers during a job interview