

Training Evaluation Request
Oregon Environmental Services Advisory Council
Watura
Water Chemistry

Course title: Water Chemistry

Drinking Water CEUs: 1.5h

Wastewater CEUs: 0h

Instructor bio: Maelle LIMOUZIN

Course description: Many chemical reactions take place in water, and it is important to know what they are and how to identify them. This course starts by looking at the basics of water chemistry: the three states of matter, the composition of an atom, a molecule, and an ion. Then it focuses on the different units and formulas used for calculating the amount of matter in a substance.

Learning goals:

- Describe the different properties of matter and how the elements react with each other
- State the formulas and units used for calculating the amount of matter in a substance

Tracking attendance method:

The e-learning platform offers a highly interactive experience designed to engage learners at every stage. It begins with an initial test to assess knowledge and tailor the learning journey. The course includes short, focused videos interspersed with mandatory training quizzes that reinforce key concepts and ensure active participation. Students are required to watch every video entirely and to answer practice questions before advancing to the next course module. Students cannot skip course content. A final quiz at the end of each chapter evaluates overall comprehension and certifies the learner's mastery of the material. Students must obtain a minimum score of 70% for every chapter's final quiz to successfully complete the course and obtain the certificate of attendance. The platform automatically tracks each learner's learning time. The real learning time is indicated alongside the delivered credits in the course completion certificate.

Course outline: Water Chemistry

Initial Test		10 min
1. Basics of Water Chemistry	1.1. Course Overview	1 min
	1.2. Structure of Matter	5 min
	1.3. Definition of an Atom	6 min
	1.4. Definition of a Molecule	5 min
	1.5. Definition of an Ion	6 min
	1.6. Balancing Chemical Equations	8 min
	1.7. How to Use the Periodic Table	5 min
	1.8. Chapter 1 - Fact Sheets	4 min
	Chapter final test	10 min
2. The Different Units and Formulas Used in Water Chemistry	2.1. How to Use the Different Units of Concentration	7 min
	2.2. Density and Relative Density	6 min
	2.3. How to Calculate a Dilution	7 min
	2.4. Course Glossary	3 min
	2.5. Chapter 2 - Fact Sheets	2 min
	Chapter final test	5 min
Total Learning Time		90 min
Requested Contact Hours		1.5 h