

Water Management

French track

2-year undergraduate program
Semesters 1 to 4



Objectives

Students will develop technical, scientific & human skills in order to manage industrial installations, taking into account the environmental effects.

- ▶ They will be able to contribute to technical studies in different domains (environment, design & transformation of installations, R&D...) and participate in installation works (management, monitoring, control).
- ▶ They will learn to adapt to technological developments concerning instruments & equipment, automation & remote transmission & surveillance systems.

The 2-year Water Management course blends technical courses with team management, sales & administration, and supplier & customer management courses to provide students with the transversal skills necessary to work in the following sectors:

- ▶ Water production and distribution
- ▶ Wastewater collection and treatment
- ▶ Industrial wastewater treatment and distribution



Course content

The course is divided into 4 main modules :

- ▶ **Module 1:** Water treatment systems : organisation & coordination / machine operation / maintenance
- ▶ **Module 2:** Quality, health, safety & environment – environmental & industrial risks
- ▶ **Module 3:** Professional relations & team management: contact with decision-makers, internal & external communication, skills development management
- ▶ **Module 4:** Design of water treatment units & system facilities: preparation of specifications, choice of treatment process, design of treatment units, project implementation

Subjects	Semesters 1 & 2 Hours per week	Semesters 3 & 4 Hours per week
1. Culture & general studies	2	2
2. English	2	2
3. Mathematics	2	1
4. Physics & chemistry	3	2
5. Biochemistry, biology & water microbiology	3	2
6. Economics - management	1.5	2
7. Water treatment processes	9	9
8. Hydraulics	2.5	3
9. Automation, control, regulation & telemanagement, electrotechnics	5	5
10. Personalised accompaniment	2	
11. Tutoring on technical project		2
Total hours per week	32	30

During the course, there are 2 internships carried out in a company for a total of 12 weeks, in France or abroad, in order to put into practice the courses studied throughout the year and to gain invaluable professional experience.

The course is open to applicants with a general or technical baccalaureate or equivalent high school diploma.



Professional openings

Local & water authorities / Water production, distribution, and treatment companies / Design and research offices / Drinking water production and pollution control plants / Manufacturers of water treatment equipment



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RÉPUBLIQUE FRANÇAISE

La certification Qualiopi a été délivrée au titre de la catégorie d'actions de formation

de type 1

Actions permettant de faire valoir les acquis de l'expérience
Actions de formation par apprentissage