



# WATER SCIENCE and ENGINEERING



## Key Words

*Management and protection of water resources, hydraulics, hydrology, water treatment processes, water chemistry, process engineering, hydrobiology, hydrogeology, modelling.*

## Objectives

*The graduate engineer has the expertise to deal with all disciplines of the water sector. He/She is fully competent in the assessment and management of surface and groundwater resources, in the treatment and production of water for specific uses, in the design of transport and control systems, in the design and operation of water treatment plants, in the control of water quality and in the sanitary and ecological assessment of natural environments...*

## Employment sectors

*Large national and international water companies. Engineering and study offices specialised in water management and supply, in water treatment and environmental studies. Local and national government agencies. International development organisations. Specialised private research institutes....*

## Industrial Partnerships

Industrial partners are constantly involved in curriculum definition, in offering work placements, in defining industrial projects and presenting specialised lectures.

### Industrial placements :

- third year (1 to 2 months)
- fourth year (2 to 3 months)
- fifth year (4 to 6 months)

### Projects :

Throughout the three year programme : both in research laboratories and in industry.

These compulsory industrial placements and projects provide the students with the practical knowledge and know-how of the professional environment, as they put the students in real life technical situations.

They are carried out in regional, national and international industries and are directly linked to the potential job market.

## Research Partnerships

Students are taught by academics and lecturers who also carry out research activities in the laboratories of the University of Science (Montpellier 2), in collaboration with other national research institutes (CNRS, INRA, CIRAD, IRD, IFREMER, CEMAGREF). Some of these research activities are carried out in collaboration with industrial companies (large water companies or small and medium enterprises) through industrial contracts or national (ANR, Competitiveness clusters, Oseo-Anvar...) or European projects.

Consequently, students are taught advanced state of the art industrial technology. They may then work directly in Research and Development Departments, or enrol in PhD studies in "Water science".

The Department has developed privileged relationships with regional and national technology transfer centres.

## Academic Partnerships

Polytech Montpellier – UM2, France, has well-established agreements with several European and non-European universities. In particular, a double degree programme is available with the University of Cranfield, UK.



HEAD OF DEPARTMENT : Catherine ALIAUME

Administration : +33 (0)4 67 14 36 62 - fax +33 (0)4 67 14 45 14

E.mail [scola@polytech.univ-montp2.fr](mailto:scola@polytech.univ-montp2.fr)

[www.polytech.univ-montp2.fr](http://www.polytech.univ-montp2.fr)





# WATER SCIENCE and ENGINEERING



**POLYTECH' MONTPELLIER also offers to foreign students who don't speak French the chance to study in their MUNDUS PROGRAMME.**

This is a special programme that enables foreign students who already have Master's level in their country of origin to come and spend a year learning intensive French and also specialised scientific subjects according to their choice of Speciality (Major). Upon successful completion of this year, they can join Years 4 and 5, and go on to obtain the prestigious French Engineering qualification.

For more details of this **MUNDUS PROGRAMME**, please contact us at the International Relations office : [relint@polytech.univ-montp2.fr](mailto:relint@polytech.univ-montp2.fr)



CONFERENCE DES GRANDES ECOLES

