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| **Identity card of the specialty**: Academic license |

**Level:**Academic License

**Domain:**Science and Technology

**Sector:**Hydraulic

**Speciality:**Hydraulic

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| **1- Location of the training:** |

**Faculty**: TECHNOLOGY.

**Department**: Civil and Hydraulic Engineering

References of the enabling order: Order No. 703 of08/05/2015

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| **2- External partners:** |

**Companies and other socio-economic partners**: Direction of water resources of the wilaya of Béchar, company "Saoura-Ciment Béchar, public works laboratory Béchar unit, intensive language teaching center CEIL, SONATRACH, the Algerian water company ADE, Brenco Engineering & Consulting Services EURL

**International partners**: IMT Atlantique Bretagne-pays de la Loire,

**Other partner establishments**: DGRSDT, University of Oran University 2 Mohamed benhmed, University of science and technology of Oran Mohamed Boudiaf, University constontine3, University sahli Ahmed of Naama, National Polytechnic School of Oran Maurice Audin, University Mohamed khider-Biskra , Abou Bakre Belkaid Tlemcen University, Djilali Liabes University of SIDI-BEL-ABBES, Belhadj Bouchaib University of Ain-Temouchent

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| **3- General organization of the training: position of the project** |

Common foundation of the domain

**Common foundation of the domain:**

**Science and Technology**

**Sector: Hydraulic**

**Sector: Civil Engineering**

*Other Specialties approved in the sector group in your establishment***:**

**-**

**Speciality:**

**-Hydraulic**

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| **4- Context of the training:** |

Algeria is located in a region that is occasionally confronted with the scarcity and irregularity of water resources. In addition, the issues related to these resources under the double quantitative and qualitative aspect continue to grow in importance at the national level under the combined pressure of population growth (urban development) and the increase in water needs for agriculture. (which alone absorbs nearly 70% of water withdrawals). Consequently, the sustainable development of agricultural activities and other industrial and urban sectors in our country find themselves under the direct threat of a chronic irregularity in the supply of this strategic resource.

As a result, public bodies and private companies operating in the field of water management, agriculture, development and urban planning have ever-growing and increasingly pressing skills needs. mastering the technical and scientific tools for optimal management both qualitatively and quantitatively of this strategic commodity. It is to meet the expectations of these partners that the university must offer this license and develop the horizons of this sector.

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| **5- Objectives of the training:** |

It is to meet the expectations of the various partners mentioned in the context of training that the university must offer this license and develop the horizons of this sector.

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| **6- Profiles and skills targeted:** |

Through the teaching provided in this license, graduate students will be able to either follow their Master's studies or practice mainly in the following fields:

* water mobilization and management,
* water risk management,
* urban planning,
* rural development,
* the design and construction of various hydraulic structures.

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| **7- Local, regional and national employability potential:** |

This training is of interest to the public sector represented both by its economic enterprises and by its public administrations such as Ministries, Water Agencies, Dam Agencies, Agencies for the management and construction of infrastructure for irrigation and drainage, the national and regional water resources agencies, the hydraulic departments of the wilayas, the water distribution companies and the private sector through its design offices (soil, hydrology, hydraulics, environment).

The jobs for which graduates of this License are destined are diverse:

* Technical Manager,
* Head of Studies,
* Manager of irrigated perimeters,
* Agriculture-Environment Advisor,
* technical controller