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

**Level:**Academic License

**Domain:**Science and Technology

**Sector:**Public works

**Speciality:**Public works

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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: Public works**

**Sector: Civil Engineering**

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

**-**

**Speciality:**

**- Public works**

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

Algeria is experiencing intense activity in the field of public works, which requires the training of executives capable of taking charge of these activities. This training aims to train technicians able to be involved in engineering structure projects and intervene in the study phase of road projects. This training is also the prelude to a higher university education in public works within the framework of the master's degree in roads and engineering structures, which also aims to take serious charge of the problems posed in the construction of engineering structures (bridges, road, tunnel...ect.

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

The purpose of this training is to provide students with a versatile training in the Public Works sector (road and motorway infrastructure, railway network, port and airport infrastructure) which is currently experiencing considerable economic and social growth, the result of a bold and sustainable development policy for the national territory. It also aims to provide graduates with a certain socio-professional integration for the conduct of construction projects both in design offices and technical study laboratories and in public or private companies and administrations affiliated with the construction sector. Public Works.

The training is structured in 6 semesters, the first two of which (Common Base) concern all students in the Science and Technology field. The first year (semesters S1 and S2) is followed by two multidisciplinary semesters in Civil Engineering, Public Works and Hydraulics (semesters S3 and S4). During the third year, the student will receive specific training in the Public Works sector (semesters S5 and S6) allowing him to acquire knowledge in the field of road, rail, port and airport infrastructures.

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

The Public Works sector is a promising niche in full technological evolution: new high-performance materials, new construction techniques and various production methods, increasingly efficient design and calculation tools and an indisputable political will. This dynamic is amplified by an increased demand for various technical skills (project design and management, supervision of the implementation phases, decision-making, etc.). As such, training for a Bachelor's degree in Public Works supports these developments and contributes to sustainably supplying this sector with graduates capable of integrating into companies, design or technical control offices and local or regional administrations. national affiliates.

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

The potential for employability is many and varied. We mainly focus on the following professions:

* Conduct of works in the public sector (local authorities, national administration);
* Design and calculation of structures (design offices);
* Control and monitoring of works (control offices);
* Monitoring and execution of works (companies).