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

**Level:**Academic License

**Domain:**Science and Technology

**Sector:**Civil Engineering

**Speciality:**Civil Engineering

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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: Civil Engineering**

**Sector: Civil Engineering**

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

**-**

**Speciality:**

**-Civil engineering**

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

Algeria is experiencing intense activity in the field of construction, which requires the training of executives able to take charge of these activities. This training aims to train technicians able to be involved in construction projects and intervene in the project study phase. This training is also the prelude to a higher university education in civil engineering within the framework of the master's degree in geotechnics, structure and materials in civil engineering, which also aims at a serious management of the problems posed to the construction of structures.

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

The Civil Engineering Bachelor's degree course aims to give the student a scientific and technological basis ensuring mastery of academic and practical knowledge in the various construction fields. Besides, a professional aptitude leading to a good insertion in functions of framing, management within construction companies, follow-up and control of projects, this License ensures to the student a scientific and specific basic training which him confers a capacity of assimilation allowing him to access higher diplomas: the Master and the possibility of preparing a Doctorate in the various specialties of Civil Engineering.

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

This training aims to train executives for the Civil Engineering, Building and Public Works sector in general, and more particularly, companies, design offices, and consulting firms.

Furthermore, we are witnessing the emergence of a promising field in terms of employability and research, which is undergoing rapid technological development, namely the development of new materials. These call for the introduction of new technologies, new methods of execution, and new commercial techniques and consequently a revival in the demand for specialized personnel.

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

Career opportunities at executive level are important in all phases of a construction operation:

Programming of works: public sector (local authorities, construction companies.

Calculation of works: Design offices, engineering firms.

The conduct and monitoring of works and the quality - control of works: Building companies for major works and secondary works, control offices.

Maintenance and management of heritage: Technical management, rehabilitation, development.

Monitoring of construction sites: medium and large-scale construction.