|  |
| --- |
| **Identity card of the specialty:**Academic master:Environmental genius |

**Level:**Licence

**Domain:**science and technology

**Sector:**Process Engineering

**Speciality:**Environmental genius

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

**Faculty (or Institute)**: Science and technology

**Department**: Mechanical Engineering

References of the authorization decree of the diploma to be prepared:**145**of02/14/2021.

|  |
| --- |
| **2- External partners:** |

**Companies and other socio-economic partners**:

- the petrochemical industry: Sbaa refinery, drilling in the wilayas of Adrar and Béchar

- the mineralogical industry: barite, ceramics and brickyards in Béchar and iron in Tindouf,

- food industry

- House of the environment

- Department of the environment

**Other partner establishments**:

Abu Bakre Belkaid Tlemcen University

University Mohamed khider- Biskra

University of Oran 2 Mohamed benhmed

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

**Common foundation of the domain:**

**Science and Technology**

**Sector :**

**-Process Engineering**

**Major: Mechanical Engineering**

**Major: Mechanical Engineering**

**Major: Mechanical Engineering**

S

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

**-**

**Speciality :**

**-Environmental genius**

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

IThe Master in Environmental Management aims to train environmental specialists capable of quickly integrating into the business world, of ensuring technology transfers, of carrying out projects, of assuming managerial responsibilities. and management, while possessing solid scientific and regulatory knowledge.  
This training respects specific specifications, in particular a close partnership with companies and communities, technological monitoring with research laboratories in biology and chemistry, monitoring and support for internships, the implementation of personal projects and/or collectives, as well as a solid corporate culture (project management, management, marketing, law, taxation, etc.).  
The employment sectors are more specifically Quality, Safety, Environment coordination, sustainable development management, expertise in environmental assessment (risk assessment, biological and/or chemical methods of assessment and control, remediation), treatment and management of industrial effluents, soils or waste.  
All the technical and managerial skills will be acquired at the end of the Master, in particular those related to the regulatory framework (environmental law, ICPE classification, labor law, health and safety) and normative (ISO 14000, ISO 26000; ISO 45001)..

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

This training aims to complete the training provided at the level of the "ecology and environment" license to prepare students to analyze the diversity of living things at different levels of perception (from molecular to ecosystem) and to try to understand the mechanisms that govern their organization, functioning and evolution, as well as their reactions to constraints and global changes. Through the diversity of teaching units offered, this training allows preparation for a research activity in the field of biological sciences and the environment. Collaborations are planned with the eco-genetics and plant biology teams for the most relevant themes in their respective fields.

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

Training of teacher-researchers for the university sector as well as engineers for the public and private sector in the fields of land management and planning (ministries, directorates and design offices responsible for the protection and management of the environment and territory, management of national parks, reserves, etc. The winner may be employed by: The Ministry of Agriculture (by the High Commission for the Development of the Steppe, by the General Directorate of Forests, by the National Institute for Agronomic Research, etc.). The Ministry of the Environment and Regional Planning (environmental observatory, national research center on biodiversity, etc.). The Ministry of Higher Education (National Center for Research on Arid Zones, etc.) The Master in Environmental Management responds to national demand, many structures have been set up by the MATE: National Observatory for the Environment and of Sustainable Development, National Waste Agency… in which the future winner could find his place. Students, at the end of this training, can also take the entrance exams to doctoral schools in this field and begin a career as a teacher-researcher.

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

The training (Conservation of Biodiversity and Sustainable Development) will allow the student to continue his studies within the framework of Doctorate in various current and strategic themes which will aim at the knowledge of the floristic diversity of the different ecosystems threatened with extinction, monitoring of desertification, inventories of taxa with the aim of creating a database, etc. But above all the benefits will be considerable if the recruitment of these skills will be done within the structures of the user sector whose mission is in line with the profile of the student (National Parks, INRF, HCDS, CRSTRA, DGF, ANCN, protection departments and environmental inspection of the Wilayates, Forest Conservations, departments of the Ministries of Agriculture, Environment and Territorial Planning, etc.).