Program Hightlights

Program Name\* :**urban hydraulics**

Program URL :

Department:



Degree Name\* :***Master Degree inurban hydraulics***



Study Level\* :



Course Intensity\* :



Study Mode\* :



MBA Program Type :



## Program Details

Broad Subject Area\* :



Main Subject\* :



Custom Subject :



Specialization : urban hydraulics



Program Description:

**The Master of Science in urban hydraulics is a graduation engineering programoffered at the University of Oum El Bouaghi, Faculty of Sciences and Applied Sciences, Department of hydraulics Engineering. The master's degree is a 2-year program designed for students who have completed a bachelor degree in hydraulics sciences.**

**The main objective, expected of the training envisaged, is to transmit to the students the theoretical and practical knowledge in the field of urban hydraulics and the analytical methods attached to it. The purpose of the multidisciplinary programmes proposed is to train competent managers who know their mission precisely. Endowed with a great autonomy, they will be able to identify and the various hydraulic arrangements and works that will be associated with them, know the treatment and purification of water. They will also be responsible for the management and construction of reservoirs, protective structures, drinking water supply and sewerage networks, as well as the study of projects in the field of modelling and master plans.**

**This training aims to preparemanagers, who are able to manage:**

**\_Design of hydraulic installations and equipment.**

**\_Drinking water treatment: improving and maintaining water quality.**

**\_Wastewater treatment, purification and reuse.**

**\_Conservation, protection and restoration of water resources as part of sustainable management.**

**\_Develop research axes that can contribute, in cooperation with the social and economic sectors (industry,agricultural engineering, hydraulic components, etc.) for sustainable development.**

University Official Website :http://www.univ-oeb.dz

Get more details (email) :djouambi\_abdelbaki@yahoo.fr hadef.amar@univ-oeb.dz

Duration Unit :2

Duration Type :



Start Month(s) :

                                                                



Application Deadline :







Fees Currency :



Price Information :الاشارة هنا إلى أن التعليم مجاني إضافة إلى الايواء والاطعام والنقل ويستفيد الطلبة من منحة إضافية

Entry Requirements

Exam Type:



Entry Requirements (Other) :

**The bachelor rates are determined according to Academic team with 80% for In State students**

**and 20% for Out of State and foreign students.**

Min Total Tuition Fees (Domestic) :***N / A***

Max Total Tuition Fees (Domestic) :***N / A***

Min Total Tuition Fees (Domestic, In State) :***N / A***

Max Total Tuition Fees (Domestic, In State) :***N / A***

Min Total Tuition Fees (Domestic, Out of State) :***N / A***

Max Total Tuition Fees (Domestic, Out of State) :***N / A***

Min Total Tuition Fees (International) :***N / A***

Max Total Tuition Fees (International) :***N / A***

Minimum Professional Experience (in years) :***N / A***

Financial Aid

Is there a school sponsored scholarship or financial aid?

  Yes   No

Annual school budget for all scholarships : ……..

Currency :



Scholarship Information :الاشارة هنا إلى أن التعليم مجاني إضافة إلى الايواء والاطعام والنقل ويستفيد الطلبة من منحة إضافية

Program Statistics

Students per Class :**15**

Average age (in years) :**23**

Average years of work experience at managerial level :***N / A***

Percentage of international students :**5**%

Percentage of women :**40**%

Average GMAT score for your cohort :

Average salary after graduation : …………………………………….

                                                                                                                                                                                                                                                                                                    

Percent employment after graduation : …………… %

Program accreditations :



Average work experience (in years) :

Number of nationalities in current cohort :

PROGRAM ACADEMIC MASTER

Speciality: Urban Hydraulics

*Semester 1*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Applied hydraulics |
| Hydrological analysis and modelling |
| Free surface flows |
| Loaded flows |
| Methodologyteaching unit | Digital Hydraulics |
| Geographic Information Systems (GIS) |
| Sanitation II |
| Discoveryteaching unit | Chosen course |
|  | Chosen course |
| Transversal teaching unit | Technical English and terminology |

*Semester 2*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Water treatment and desalination |
| Hydraulic works  |
| Hydraulic machines and pumping stations |
| Underground Hydraulics |
| Methodologyteaching unit | Modelling and Simulation in hydraulics |
| TP Water Treatment and Desalination |
| TP Hydraulic machines and pumping stations |
| Organisation and mechanisation of works |
| Discoveryteaching unit | Chosen course |
| Chosen course |
| Transversal teaching unit | Ethics, deontology and intellectual property |

*Semester 3*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Urban water distribution and collection |
| Wastewater treatment and reuse |
| Preservation and protection against floods |
| Watercourse development and solid transport |
| Reconnaissance techniques and drilling |
| Methodologyteaching unit | Specialised software |
| TP Water treatment  |
| Integrated water resources management |
| TP Water treatment  |
| Discoveryteaching unit | Chosen course |
| Chosen course |
| Transversal teaching unit | Literature search and brief design |