Program Hightlights

Program Name\* :hydraulics

Program URL :

Department:



Degree Name\* :***Bachelor Degree in 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 Bachelor of Science in hydraulics is an undergraduate engineering program offered at the University of Oum El Bouaghi, Faculty of Sciences and Applied Sciences, Department of hydraulic Engineering. The bachelor's degree is a 3-year program designed for students who want to get a thorough technical grounding in hydraulics.**

**This curriculum falls within the field of Science and Technology in fundamental subjects like maths, physics and computer science in the two first semesters; and on hydraulics related subjects, such as: general hydraulics(fluid mechanics) , hydrology, drinking water supply, sewerage network,pump and pump station,water treatment and purification, watermanagement, etc… Besides, students apply their theoretical knowledge in labs and projects, which prepares them to pursue careers in hydraulics related fields, or pursue a master degree in urban hydraulics and hydraulics structures.**

**The aim of this training is to provide graduates with the intellectual skills needed toproblems related to the pollution phenomenon of urbanized sites, to make adequate sewerage network improved drinking water supply.**

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

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

Duration Unit :3

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 baccalaureate weighted rates accepted at Algerian universities are used to establish the**

**required rate in order to enter the program.**

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 : 20

Average age (in years) : 20

Average years of work experience at managerial level :

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 :

LICENCE ACADEMIQUE

Speciality: Hydraulics

Common Base Science and Technology

*Semester 1*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Mathematics 1 |
| Physics 1 |
| Structure of the material |
| Methodologyteaching unit | TP Physics 1 |
| TP Chemistry 1 |
| Informatics 1 |
| Writingmethodology |
| Discoveryteaching unit | Careers in science and technology 1 |
| Transversal teaching unit | ForeignLanguage 1 (English) |

*Semester 2*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Mathematics 2 |
| Physics 2 |
| Thermodynamics |
| Methodologyteaching unit | TP Physics 2 |
| TP Chemistry 2 |
| Informatics 2 |
| Methodology of the presentation |
| Discoveryteaching unit | Careers in science and technology 2 |
| Transversal teaching unit | ForeignLanguage2 (English) |

*Semester 3*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Mathematics 3 |
| Waves and vibrations |
| Fluidmechanics |
| Rational mechanics |
| Methodologyteaching unit | Probability and statistics |
| Informatics 3 |
| Technical design |
| TP Waves and vibrations |
| Discoveryteaching unit | Basic technology |
| Metrology |
| Transversal teaching unit | Technical English |

*Semester 4*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | General hydraulics I |
| Hydrology I |
| Mathematics 4 |
| Numerical methods |
| Resistance of materials |
| Methodologyteaching unit | Computer Aided Drafting |
| TP Fluid Mechanics |
| TP Numerical Methods |
| TP Resistance of Materials |
| TP Hydrology |
| Discoveryteaching unit | Geology |
| Topography |
| Transversal teaching unit | Entrepreneurship and business management |

*Semester 5*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | General Hydraulics II |
| Hydrology II |
| Hydrogeology |
| Hydraulic structures  |
| Soil mechanics |
| Methodologyteaching unit | TP Topography |
| Water treatment and purification |
| TP Soil Mechanics |
| TP Hydraulics |
| Discoveryteaching unit | Irrigation |
| Notions de Système d’informations géographiques |
| Transversal teaching unit | Législation des eaux |

*Semester 6*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Hydraulic developments |
| Drinking water supply |
| Building materials |
| Sanitation |
| Pumps and pumping stations |
| Methodologyteaching unit | End of Cycle Project |
| Hydroinformatics |
| Notions of reinforced concrete |
| Discoveryteaching unit | Water resources management. |
| Pipe technology and network equipment |
| Transversal teaching unit | Professional project and business management |