Program Hightlights

Program Nam: **Chemical Engineering**

Program URL :

Department:



Degree Name\* :



Study Level\* :



Course Intensity\* :



Study Mode\* :



MBA Program Type :



## Program Details

Broad Subject Area\* :



Main Subject\* :



Custom Subject :



Specialization :



Program Description:

**The Master of Science in Chemical Engineering is is a graduation engineering program offered at the University of Oum El Bouaghi, Faculty of Science and Applied Science, Department of Process Engineering. The master's degree is a 2-year program designed for students who have completed a bachelor degree in Process Engineering, who want to get a thorough technical foundation in chemical industry.**

**The program provides training in hardware and software, through which students develop fundamental knowledge in various fields of engineering technology, including an in-depth study of various reactors, unit operations, thermal transfers, reaction kinetics, techniques analysis and separation..., and their relationship with oil and gas refining, petrochemical industry, detergent industry, environmental protection... and others. This is reinforced by training the student in the field of programming and simulation by learning different programming languages (Fortron...) for use in simulation programs such as Hisys...**

**By balancing theory and practice through laboratories and a final-semester capstone project, students establish solid engineering principles that qualify them to be chemical engineers, capable of advancing endless chemical and industrial technologies with endless opportunities, as well as preparing them to pursue graduate studies. Or exceptional jobs in the development and management of factories, institutions, laboratories, offices of expertise and much more.**

University Official Website : [**http://www.univ-oeb.dz**](http://www.univ-oeb.dz)

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

Duration Unit : **02**

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 : **N / A**

Currency :



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

Program Statistics

Students per Class : **25**

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

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

Percentage of international students : **5 %**

Percentage of women : **80 %**

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 **: Chemical Engineering**

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamental teaching unit | Unit operations I  (Absorption-Strippage\_ Extraction-mixing) |
| Reaction engineering I: non-ideal reactors and bioreactors |
| Applied thermodynamics |
| Heat Transfer and Heat Exchangers |
| Methodologyteaching unit | Unit operations I |
| Reaction Engineering I |
| P¨W: Heat Transfer and Heat Exchangers |
| Process Engineering Simulators |
| Discoveryteaching unit | Chosen course |
| Chosen course |
| Transversal teaching unit | Technical English and Terminology |

*Semester 2*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Opérations unitaires 2  (Humidification-Séchage-Evaporation-Cristallisation) |
| Adsorption Processes and Membrane Separation |
| Reaction engineering II: polyphase reactors |
| Furnaces and Boilers |
| Methodologyteaching unit | ractical work Unit operations 2, Membrane adsorption and separation processes |
| Process regulation and control |
| Numerical analysis |
| Discoveryteaching unit | Chosen course |
| Chosen course |
| Transversal teaching unit | Ethics, deontology and intellectual property |

*Semester 3*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Distillation |
| Refining and petrochemicals |
| Porous and dispersed media |
| Process optimization and modeling |
| Process intensification |
| Methodologyteaching unit | PW: Distillation |
| PW: Refining and petrochemicals |
| Practical work Porous and dispersed media |
| Plan of experiments |
| Discoveryteaching unit | Chosen course |
| Chosen course |
| Transversal teaching unit | Literature search and brief design |