Program Hightlights

Program Name: ***Electronics of Embedded Systems***

Program URL :

Department:



Degree Name\* :***Master Degree in Electronics of Embedded Systems***



Study Level\* :



Course Intensity\* :



Study Mode\* :



MBA Program Type :***N / A***



## Program Details

Broad Subject Area\* :



Main Subject\* :



Custom Subject :



Specialization :***Electronics of Embedded Systems***



Program Description:

**The Master of Science in Electronics of Embedded Systems is a graduation engineering program offered at the University of Oum El Bouaghi, Faculty of Sciences and Applied Sciences, Department of Electrical Engineering. The master's degree is a 2-year program designed for students who have completed a bachelor degree in Electronics, Communication Engineering and other related Engineering fields, who want to get a thorough technical foundation in Embedded Systems engineering, Industrial Electronics and Automation Engineering.**

**The curriculum provides training in hardware and software, where students develop foundational knowledge from various engineering technology fields, including DSP, MCU and Microprocessor interfacing and programming, Real Time Systems, Networks, PLCs and Microelectronics, also VHDL, Java, Assembly and C/C++ coding…etc**

**With a balance between theory and practice through labs and final semester capstone project, students grounds solid engineering principles that qualifies them to be embedded systems engineers, able to develop smart embedded systems for innumerable applications with endless opportunities, and also prepare them to pursue post graduate studies or exceptional careers in hardware/software development and much more**

University Official Website :

<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 :***N / A***



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 : …….. ***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

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 OF ACADEMIC MASTER

Speciality: Embedded systems electronics

*Semester 1*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Microprocessor system design |
| Advanced digital electronics: FPGA and VHDL |
| Advanced signal processing |
| Digital ServoSystems |
| Methodologyteaching unit | TP Microprocessor System Design |
| TP FPGA and VHDL |
| Advanced Signal Processing / Digital Servo Systems |
| Object-oriented programming in C++ |
| Discoveryteaching unit | Chosen course |
| Chosen course |
| Transversal teaching unit | Technical English and terminology |

*Semester 2*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Processeurs des signaux numériques (DSP) |
| Capteurs intelligents et MEMS |
| Systèmes à microcontrôleurs |
| Réseaux industriels de communication |
| Methodologyteaching unit | TP Processeurs des signaux numériques |
| TP Systèmes à microcontrôleurs |
| TP Capteurs intelligents/TP Réseaux industriels |
| Etude et Réalisation des projets |
| Discoveryteaching unit | Chosen course |
| Chosen course |
| Transversal teaching unit | Ethics and deontology |

*Semester 3*

|  |  |
| --- | --- |
| Teaching unit | Title of the Subject |
| Fundamentalteaching unit | Embedded Systems |
| Real Time Systems |
| Programmable Logic Controllers |
| Artificial Vision |
| Methodologyteaching unit | TP Embedded Systems/ TP Real Time Systems |
| TP Programmable LogicControllers |
| TP Artificial Vision |
| JAVA language |
| Discoveryteaching unit | Chosen course |
| Chosen course |
| Transversal teaching unit | Searching documentation conception of writing thesis |