

This Document will help assess Al Akhawayn University during the admission process. All the Information is taken from the university catalog on the web, the 1997-1998 catalog ,and the university web site

## **Al Akhawayn University**

Al Akhawayn University  
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## **MISSION STATEMENT**

### **GENERAL PRINCIPLES**

Al Akhawayn University in Ifrane (AUI) is an institution of higher education and scientific and technical research.

It contributes to the historical and cultural vocation of the Kingdom of Morocco, an Arab-African nation occupying a privileged geo-strategic position, belonging to Islamic civilization, and open to Europe, America and Asia.

AUI is thus designed as a Moroccan university, original in its organizational and educational approach, using modern methods to disseminate Arab-Islamic and African culture, universal knowledge, science and advanced technology.

Rooted in the noble Arab and Mediterranean humanist tradition, dynamically adapted to modern times, AUI aims to train graduates with high academic qualifications, in permanent

quest of knowledge and culture, aware of their social obligations and imbued with the values of human solidarity and tolerance.

AUI contributes to the attainment of Morocco's educational, cultural and economic objectives and serves the international community, notably through:

- The advancement of science and technology;
- The training of graduates with strong academic and professional qualifications;
- The implementation of research programs in all areas of national or international interest, with particular emphasis on major national or regional socio-economic issues.
- The experience acquired by AUI in these areas shall also be made available to the international community.

The vocation of Al Akhawayn University concerns:

- Higher education in all fields of knowledge;
- Mastery of advanced technologies and the promotion of scientific and technical research;
- Continuing education and the dissemination of advanced scientific knowledge.

AUI prepares its students for the Bachelor's and Master's degrees.

AUI is modeled in its administrative, pedagogical and academic organization on the American university system. English is the language of instruction. Al Akhawayn University will, however, give special attention to the teaching of the Arabic language at all levels and in all branches of education.

Other modern languages may also be used in specific educational curricula and seminars.

## **STUDENTS AND FACULTY**

Admission of students to different educational levels at AUI is on a competitive basis, allowing for the selection of the best candidates with the greatest potential for success in their studies. The faculty is composed of teachers/researchers who have demonstrated academic and pedagogical competence.

In order to ensure the necessary openness of the University to the world and promote a healthy, scientific emulation and understanding between peoples, a portion of the faculty will be reserved for full- or part-time appointments of foreign teachers/researchers of international renown. International students who satisfy the regular selection criteria will be admitted to the University.

## **CURRICULA AND TRAINING**

1. The curricula leading to the Bachelor's degree are based upon a common core of general education courses designed to consolidate prior learning, broaden intellectual perspectives and serve as a basis for subsequent specialization.

Such a balanced general education core, in combination with one or more fields of specialization, aims to equip graduates with the technical competence and the intellectual capacities necessary to face the challenges of our times. Moreover, particular care will be accorded to the study of Arab-Islamic culture in all fields of specialization.

2. The curricula at the Master's level aim at preparing practicing professionals in specific fields.

3. Plans for Ph.D. level studies are underway. Once offered, they will be based on academic research activities, aiming to prepare scholars capable of making significant contributions to the world of knowledge and technology.

4. A large choice of university curricula is offered to students and researchers at both the bachelor's and master's levels. Because of their flexibility and the wide range of

specializations, these curricula allow for the diversification of training programs adapted to the evolution of knowledge and socio-economic conditions with a special emphasis on those programs that are related to areas of strategic importance.

5. Because of the increasing complexity of the problems of our times, whose comprehension and resolution often necessitate a trans-disciplinary scientific approach, the educational approach of AUI will be characterized by the interdisciplinary spirit.

Special attention will thus be paid to interdepartmental teaching and research programs, which enable the student and the researcher to understand, in a dynamic manner, the different phenomena under study in their different interactions as well as in their individual complexities.

6. In order to foster its distinctive educational goals, and to prepare its students to face present and future challenges, AUI has a comprehensive and coherent system of education, academic advising, personal counselling and student support-services. In particular, AUI

- Provides all the necessary student support through qualified academic advisors;
- Emphasizes extensive faculty-student interaction in small classes which aims at developing students' communication skills, sense of initiative, research, responsibility, and personal enterprise;
- Utilizes the latest instructional technology and incites students to engage in research activities.
- Its library, laboratories and classrooms are designed in accordance with state-of-the art norms; and,
- Offers its students and researchers a pleasant community in which to live, with various cultural and sports activities.

## **RESEARCH**

Recognizing that higher education is intimately linked to scientific research, AUI cultivates the complementary relationship between these two activities, which are vital to the national and international goals of the University.

AUI has thus established Research Centers which will actively contribute to the mastery of knowledge and of new technologies, emphasizing scientific research in areas of strategic importance.

These Centers, in coordination with other educational units of the University and in collaboration with other national and international institutions, will particularly address problems of a multidisciplinary nature. They will establish organic links with different sectors of national economy and, on the basis of research contracts, will undertake productive applied research.

Because of their flexibility and their full integration with the different doctoral programs, the Research Centers provide teachers, researchers and students of different backgrounds with the opportunity to work together on projects of common interest.

## **CONTINUING EDUCATION**

To respond to the rapid evolution of knowledge and technology, and to play the active social role that it has assigned itself, AUI gives high priority to continuing education. Its aim is to provide different sectors, especially economic and industrial, with its expertise and with the fruit of its research activities. Thus, the University will organize training courses, specialized study sessions, symposia and conferences.

As a place for creativity and for the confrontation of human progress in all fields of knowledge, and as a forum for cooperation and comprehension between peoples and

civilizations, Al Akhawayn University assumes an initiating and exploratory role in the fields that most preoccupy humanity.

## **MSCS DEGREE REQUIREMENTS**

To obtain the Master of Science with a major in computer science, all students must successfully complete 42SCH of courses numerated below and fulfill all other requirements.

### **I. Major 18 SCH**

To be selected from one of the areas of specialization: Programming and Information Systems, Intelligent Systems, Theory of Computation, Advanced Architecture and Communications Systems, Scientific Computing.

### **II. Minor 12 SCH**

To be selected from one of the areas of specialization listed other than the one selected as the major.

### **III. Other Computer Science or business Administration courses 6 SCH**

To be selected with the advice of the student's graduate advisor.

### **IV. Thesis/Software Project 6 SCH**

In order to earn an MSCS degree, a student must:

1. Fulfill the core and major course requirements for the MSCS, in addition to any undergraduate pre-requisite courses that may be needed;
2. Complete and defend the MS Final Project (CSC 5343, 6 SCH) or MS Thesis (CSC 5333, 6 SCH) successfully;
3. Have an overall GPA of at least 3.0;
4. Earn a grade of B or better in all courses counting towards the MSCS.

## BOARD OF TRUSTEES

Othman BENJELLOUN, **Chancellor** President and Chief Executive Officer, Banque Marocaine du Commerce Extérieur, BMCE

El Mostafa SAHEL, **Vice Chancellor** President and Chief Executive Officer, SOMED

Rachid BENMOKHTAR BENABDELLAH, **Secretary General**

### Moroccan Members

Mr André AZOULAY	Counselor to HIS MAJESTY THE KING
Professor Abbas JIRARI	Counselor to HIS MAJESTY THE KING
Mr Abdelfattah FREJ	Director of the Secretariat of HIS MAJESTY THE KING
Mr Abdellah SAAF	Minister of National Education
Mr Driss JETTOU	Minister of the Interior
Mr Najib ZEROUALI OUARITI	Minister of Higher Education, Executive Training, and Scientific Research
Mr Abdallah El MAÂROUFI	Ambassador of Morocco to the United States of America
Mr Mohamed SEQAT	Governor of Bank Al-Maghrib
Mr Abdelhak BENNANI	President and Chief Executive Officer, Wafabank
Mr Mourad CHERIF	President of ONA
Mr Aziz AKHANNOUCH	President of Afriquia

### International Members

Dr Stephen TRACHTENBERG	President, George Washington University, Washington D.C, USA
Mr Jacques DELORS	President of the International Commission on Education for the 21 <sup>ST</sup> Century, France
Mr Abdellatif Y. ALHAMAD	General Director, The Arab Fund for Economic and Social Development, Kuwait
Dr Khalid AL ANKARY	Minister of Higher Education, Saudi Arabia
Mrs Marcia ISRAEL CURLEY	Professor, University of South Carolina, USA
Mr Othman ALOMAIR	Chairman, ORMEDIA, United Kingdom

## **FACULTY**

Abid, Mohammed Riduan, MS (2000), Al Akhawayn University in Ifrane, Morocco  
Aftab, Ahmed, MA (1997), Institute of Education, University of London, UK  
Aghaoui, Samir, MBA (1998), Al Akhawayn University in Ifrane, Morocco  
Al Ahmad, Walid, Ph.D. (1999), Université Catholique de Louvain, Belgium  
Alaoui, Adnae, MS Marketing, Drexel University, Philadelphia, PA, USA  
Al-Janabi, Mazin, Ph.D. (1990) University of London, UK  
Amakhmakh, Naceur, Ph.D. (1997), University of Wisconsin at Madison, USA  
Backus, Steven, M.A. (1990), University of Minnesota, USA  
Baijou, Ahmed, Ph.D. (1990), Oklahoma State University, USA  
Bankroft, Graham, DTEFLA, (1997), International House, London, UK  
Barrow, Mara, MA (1996), Monterey Institute of International Studies, USA  
Bel Fekih, Cherif, Ed.D. (1993), Temple University, Philadelphia, USA  
Benbrahim, Houda, MS (2000), Al Akhawayn University in Ifrane, Morocco  
Bencherifa, Abdellatif, Ph.D. (1986), Clark University, USA  
Belhachemi, Rachid, PH.D. (1995), Oklahoma State University, USA  
Benkhalifa, Mohammed, MS (1992), City College of New York, USA  
Benlamhidi, Abdellah, Masters of Comparative Law, (1978), Penn State Carlisle, Pennsylvania, U.S.A.  
Bensaid, Amine, Ph.D. (1994), University of South Florida, USA  
Berrada, Fouad, Ph.D. (1995), Université de Montréal, Canada  
Biaz, Saad, Ph.D. (1999), Texas A&M University, USA  
Bouchalkha, Abdellatif, Ph.D. (1993), Oklahoma State University, USA  
Bougrine, Hassan, Ph.D. (1992), University of Ottawa, Canada  
Bounajma, Mohammed, Doctorat d'Etat (2000), Université Sidi Mohammed Ben Abdellah, Morocco  
Boussouab, Brahim, Doctorat d'Etat (2001), Université Ibnou Zohr, Morocco  
Burgess, Robert, Masters of Education, (1988), Temple University, Tokyo, Japan  
Chaatit, Fouad, Ph.D. (1993), The University of Texas at Austin, USA  
Charaf, Jalal, MSC (1999), Cornell University, USA  
Chekayri, Abdallah, Doctorat (1994), Université de Paris VIII, France  
Canterbury, Andrew, MBA (1978), University of Alabama, USA  
Coghlan, Leslie, Ph.D. (1986), Brown University, USA  
Conde-Partinez Carlos, Ph.D. (1995), Universidad Complutense, Madrid, Spain  
Cott, John N., MA (1970), Oxford University, UK  
Craig, Robert, MA (1987), University of Essex, UK  
Darhmaoui, Hassan, Ph.D. (1996), University of Alberta, Canada  
Dempsey, Alistair, MSc (1995), University of Scotland, Sterling, UK  
Derrabi, Mohamed, Ph.D. (1998), Université Catholique de Louvain, Belgium  
Driouchi, Ahmed, Ph.D. (1988), University of Minnesota, USA  
El Alami, Najia, Ph.D. (1993), University of Birmingham, UK  
El Asli, Abdelghani, MS (1993), City College of New York, USA  
El Kasmi, Asma, Doctorat (1991), Université de Paris VII, France  
El Maghraoui Kaoutar, MS (2000), Al Akhawayn University in Ifrane, Morocco  
Ennahid, Said, Ph.D. (2001), Arizona State University, USA  
Fountain, Robert, Ph.D. (University of New Mexico, USA  
Ghayur, Arif, Ph.D. (1978), St. John's University, New York USA  
Hanzazi, Maria, MA (1996), Fairleigh Dickinson University, Rutherford, New Jersey, USA  
Hardcastle, Peter, MEd (1982) University of Leicester, UK  
Henderson, Kay, MS Human Development (1986), University of Texas, Dallas, USA

Heiba, Farouk, Ph.D. (1978), University of Pennsylvania, USA  
 Hogga, Mustapha, D.SC. (1987), Sorbonne, France  
 Hottel-Burkhart, Nancy, Ph.D. (1981), The University of Texas at Austin, USA  
 Ibnou El Khayat, Ahmed, MBA (1999), Al Akhawayn University in Ifrane, Morocco  
 Kalpakian, Jack, Ph.D. (2000), Old Dominion University, USA  
 Kamal, Abdelillah, Ph.D. (1995), Université Mohammed V, Rabat, Morocco  
 Kerr, Barbara, M.Ed (1996), University of Manchester, UK  
 Kettani, Driss, Ph.D. (1998), Laval University, Canada  
 Khalafi, Abdeslam, D.E.S. (1996), Université Sidi Mohammed ben Abdellah, Fez, Morocco  
 Krate, Ronald, Ph.D (1981), New York University, USA  
 Lahlou, Moncef, Ph.D. (1991), The University of Texas at Austin, USA  
 Legrouri, Ahmed, Ph.D. (1988), Glasgow University, Scotland, UK  
 Leseure, Michel, Ph.D. (1998), The University of Sheffield, UK  
 Loudiyi, Khalid, Ph.D. (1989), Oklahoma State University, USA  
 Maghraoui, Driss, Ph.D. (2000), University of California, USA  
 Mardock, Naomi, MA (2001), School for International Training, Brattleboro, Vermont, USA  
 Mekaoui, Hafid Tlemcani, MA (1991), Blindern University in Oslo, Norway  
 Mittan, Robert, MA (1988), University of Arizona, Tucson, Arizona, USA  
 Nazih, Nadia, Ph.D. (1992), Texas A&M University, USA  
 Nwokoma, Anele, MBA (1989), Grambling State University, USA  
 Ouauicha, Driss, Ph.D. (1986), The University of Texas at Austin, USA  
 Ouardaoui Abdelkrim, Ph.D. (1996), University of Massachusetts Lowell, USA  
 Peyron, Margaret, DEA (1997), Grenoble III University, France  
 Peyron Michael, Doctorat (1975), Institut de Géographie Alpine de Grenoble, France  
 Pratt, Paula, Ph.D. (1992), Union Institute, Ohio, USA  
 Psaras, Dean, MA (1991), The University of Texas, USA  
 Rachdi, Ahmed, MS in Business Administration (1990), San Francisco State University, USA  
 Rachidi, Tasseddine, Ph.D. (1995), University of Essex, UK  
 Raissouni, Bachir, Ph.D. (1984), New Mexico State University, USA  
 Rathburn, Gail, Ph.D. (1999), Indiana University, USA  
 Ritchie, Robert, JD (1983) Temple University School of Law, Philadelphia, USA  
 Ross, Eric, Ph.D. (1996), McGill University, Canada  
 Sabia, Said, DES (1990), Université Abdelmalek Saadi, Tetouan, Morocco  
 Samad, Daizal, Ph.D. (1989), University of New Brunswick, Canada  
 Sample, Travis, Doctorate of Public Administration (1987), University of Southern California, USA  
 Seapker, Jill, MA (2001), School of International Training, Brattleboro, Vermont, USA  
 Sebt, Ibtissama, MA (1992) University of York, UK  
 Seifert, Linda, Ph.D. (2001), University of Canberra, Australia  
 Sekkat, Zouheir, Doctorat (1996), Université Sidi Mohamed Ben Abdallah, Fès, Morocco  
 Shoup, John, Ph.D. (1990) Washington University, USA  
 Smith, Kevin, Ph.D. (1988), Georgia Institute of Technology, USA  
 Swin, Robert, Ph.D. (1964), Stanford University, USA  
 Tiyal, Samir, D.U. (1997), Université Clermont-Ferrand, France  
 Walker, Emily, MA (2000), Central Michigan University, USA  
 Willis, Michael, Ph.D. (1996) University of Durham, UK  
 Wyrzten, Jonathan, MA (1999), University of Texas at Austin, USA  
 Wyrzten, Leslie, MA (2000), University of Texas at Austin, USA

## **Institutional Partners**

### **I. Companies**

- Alliance Commerciale Technologique (ACT)
- Banque Centrale Populaire <http://www.bcp.ma/>
- BMCE Capital <http://www.bmcek.co.ma/>
- Brasseries du Maroc [www.ona.ma/html/a\\_53.htm](http://www.ona.ma/html/a_53.htm)
- CADTech <http://www.cadtech.ma/>
- Cap Gemini Ernst & Young <http://www.cgey.com/>
- Ciments du Maroc <http://www.cimentsdumaroc.com/>
- Confédération Générale des Entreprises Marocaines <http://www.cgem.ma>
- ENERCORP & Group Somepi <http://www.enercorp.com/> & <http://www.somepigroup.com/>
- Ericsson <http://www.ericsson.com/>
- GROUPE VIVENDI UNIVERSAL [www.vivendiuniversal.com](http://www.vivendiuniversal.com)
- HOLCIM [www.holcim.com/](http://www.holcim.com/)
- IBM Maroc <http://www.ibm.com/>
- Inspire Norway & BMCE Bank
- Institut National d'Hygiène
- Lotus Development SA
- Lucent Technologies <http://www.lucent.com/>
- Maghreb Arab Press <http://www.map.co.ma/>
- MANAGEM [Branch of ONA (Omnium Nord Africain)] [www.ona.ma/](http://www.ona.ma/)
- Office National D'exploitation des Aéroports <http://www.onda.ma/>
- OMNIDATA
- Société Shell du Maroc <http://www.shell.com/>
- Toyota du Maroc <http://www.toyota.com/>

### **II. Ministers**

- Ministère des Affaires étrangères et de la Coopération: <http://www.maec.gov.ma/>
- Ministère des Finances et Investissements Extérieurs: (Ministère des Finances et de la Privatisation) ---> New Name <http://www.mfie.gov.ma/>
- Ministère de l'intérieur (Collectivités locales)
- Ministère de la prévision économique et du plan

### **III. International Institutions**

- Dubai Internet City (DIC) <http://www.dubaiinternetcity.com/>
- Euro Prospective [www.imaginet.fr/euro-prospective](http://www.imaginet.fr/euro-prospective)
- European Foundation for Management Development <http://www.efmd.be/>
- WorldBank <http://www.worldbank.org/>
- United Nations Development Program <http://www.pnud.org.ma/>

### **IV. Others**

- Administration de la Conservation Foncière du Cadastre et de la Cartographie: <http://www.acfcc.gov.ma/>
- American Chamber of Commerce in Morocco: <http://www.amcham-morocco.com/>
- Association de Bienfaisance Musulmane & The Society of friends of AUI & King Fahd Middle East Studies Program: [www.uark.edu/~jcrose/field/](http://www.uark.edu/~jcrose/field/) ---> King Fahd Middle East Studies Program
- Association Professionnelle des Sociétés de Bourse



- Association des professionnels en technologie de l'information
- Club des Investisseurs Arabes au Maroc <http://www.ciam.ma/>
- MACECE <http://www.macece.org/>

## **Academic Partners**

### **AUSTRALIA**

- Macquarie University <http://www.mq.edu.au>

### **AUSTRIA**

- FHS Kufstein Tirol <http://www.fh-kufstein.ac.at/>

### **CANADA**

- Laurentian University <http://www.laurentian.ca/>

### **FINLAND**

- Joensuu Yliopisto (University of Joensuu) [www.joensuu.fi/englishindex.html](http://www.joensuu.fi/englishindex.html)

### **FRANCE**

- Ecole des Mines D'Ales <http://www.ema.fr/>
- Université René Descartes (Paris V) <http://www.iut.univ-paris5.fr/>
- Science Politique Paris <http://www.sciences-po.fr/>

### **GREAT BRITAIN**

- University of Sussex <http://www.sussex.ac.uk/>

### **GERMANY**

- Technische Universität München (Technical University of Munich) <http://www.tu-muenchen.de/>
- Universität Bayreuth (University of Bayreuth) <http://www.uni-bayreuth.de>

### **JAPAN**

- Kansai Gaidai University <http://www.uni-bayreuth.de/>
- Meijo University <http://www.uni-bayreuth.de/>
- Osaka University <http://www.osaka-u.ac.jp/>

### **SPAIN**

- Universitat Autònoma de Barcelona (Autonomous University of Barcelona) <http://www.uab.es/>

### **USA**

- American University <http://www.american.edu/>
- Beloit College <http://www.beloit.edu/>
- Binghamton SUNY <http://www.binghamton.edu/>
- Boston College <http://www.aui.ma/AuiPartners/www.binghamton.edu>
- Carson-Newman College <http://www.cn.edu/>
- Georgetown University <http://www.georgetown.edu/>
- George Washington University <http://www.gwu.edu/>
- Haverford College <http://www.haverford.edu/>
- Idaho State University <http://www.isu.edu/>
- Indiana State University <http://www.indstate.edu/>
- Johnson C. Smith University <http://www.jcsu.edu/>
- Mercer University <http://www.mercer.edu/>
- Montana State University at Bozeman <http://www.montana.edu/>
- Oklahoma City University <http://www.okcu.edu/>
- Ouachita Baptist University <http://www.obu.edu/>
- Samford University <http://www.samford.edu/>

- South Dakota State University <http://www.sdstate.edu/>
- University of Arizona <http://www.arizona.edu/>
- University of Arkansas <http://www.uark.edu/>
- University of Dayton <http://www.udayton.edu/>
- University of Montana <http://www.umt.edu/>
- University of North Florida <http://www.unf.edu/>
- University of Texas at Austin <http://www.utexas.edu/>
- University of Washington <http://www.washington.edu/>
- Virginia Military Institute <http://www.vmi.edu/>
- Washington College <http://www.washcoll.edu/>
- West Virginia University <http://www.wvu.edu/>
- Worcester Polytechnic Institute <http://www.wpi.edu/>