



جامعة الإمارات العربية المتحدة  
United Arab Emirates University

**UAEU**

## **Statistical Year Book 2012-2013**

**الكتاب الإحصائي السنوي 2012 – 2013**

**Planning, Academic & Institutional Development Department**

## Foreword

After 28 years of publication, the UAE University Statistical Yearbook continues to be one of the principal sources of data for both internal and external University stakeholders. The statistical yearbook presents a "snapshot" of UAE University. The publication is produced annually by the Planning, Academic & Institutional Development Department (PAIDD) at the University and is intended to provide yearly statistics regarding students, graduates and staff.

In order to make information more readily available to all constituents, the PAIDD website provides an online version of this publication. The website is also a source of other valuable information related to the university. It can be accessed using the following address:

<http://www.uaeu.ac.ae/irpsu>. For more comprehensive information about the university the reader may visit the University website at: <http://www.uaeu.ac.ae> .

We hope that you will find value in this year's presentation of information on UAE University.

### **Planning, Academic & Institutional Development Department**

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# Educational Opportunities at UAEU

The UAEU has nine Colleges including College of Medicine. Collectively the nine College have about 43 departments or programs . The following table shows a list of the eight Colleges and their departments:

## College of Humanities & Social Sciences

- Department of Arabic Language & Literature
- Department of History & Archaeology
- Department of Mass Communication
- Department of English Literature
- Department of Linguistics
- Department of Translation Studies
- Department of Philosophy
- Department of Geography & Urban Planning
- Department of Political Science
- Department of Social Work
- Department of Sociology
- Leadership and Society Program
- Department of Psychology

## College of Science

- Department of Mathematical Sciences
- Department of Physics
- Department of Chemistry
- Department of Biology
- Department of Geology

## College of Education

- Department of Curriculum & Instruction
- Department of Foundations of Education
- Department of Special Education
- Department of Physical Education

## College of Business & Economics

- Department of Accounting
- Department of Economics & Finance
- Department of Business Administration
- Department of Statistics

## College of Law

- Department of Public Law
- Department of Private Law

## College of Food & Agriculture

- Department of Arid land Agriculture
- Department of Food Science
- Department of Agribusiness
- Department of Nutrition & Health
- Veterinary Medicine Department

## College of Engineering

- Department of Civil & Environmental Engineering
- Department of Chemical & Petroleum Engineering
- Department of Architectural Engineering
- Department of Electrical Engineering
- Department of Mechanical Engineering

## College of Information Technology

- Computer Systems Design
- Enterprise Systems
- Networking
- Software Development
- Information Security
- Electronic Commerce
- Intelligent Systems

## Graduate Programs

### *Following is the list of Masters programs being offered at UAEU:*

#### **Business Administration (MBA)**

The Master of Business Administration experience at the United Arab Emirates University emphasizes leadership, innovation, and entrepreneurial creativity. During four semesters of courses, MBA students are guided through a progression of thought and shared experience that prepares them for confident, competent business leadership in and beyond the UAE business environment and provides the business community with high quality graduates who are capable of becoming the business leaders of the

#### **Master of Professional Accounting (\*New)**

The accounting department is launching the first AACSB-accredited MPA program in the region to meet local demands for practitioners and managers alike. The Accounting Department has obtained (in 2012) the first AACSB-accounting accreditation in the GCC and MENA region, and the tenth worldwide outside North America.

As the professional accounting field is highly needed in the country, this program was considered to attract top businesses and companies from around the world. The MPA program caters for practicing accountants and managers who have chosen the professional path, and would like to further their education with a post-graduate degree in accounting. The degree will also be a natural route to a Doctorate of Business Administration (DBA).

#### **Master of Education**

**Track 1: School Leadership**

**Track 2: Curriculum & Instruction**

**Track 3: Special Education**

The basic objective of the Master of Education program is to improve the performance of teachers, administrators and other educational professionals, and to provide distinguished service for professionals in the field through a well designed and high quality program that is based on international standards. This program is developed in cooperation with the Faculty of Education at the University of Georgia – Athens (UGA). Faculty members from UGA University will co-teach one module in each course. Moreover, Master of Education students will also have the option to take a course at UGA.

#### **Architectural Engineering**

Master of Architectural Engineering is envisioned as a post-professional degree with established educational standards that aim at developing advanced specialized knowledge, research skills and preparing our graduates for successful professional practice. The program provides specialization opportunities in one of the program three concentration areas; i) History, Design & Planning, ii) Building Construction, and iii) Building Science. Advances in research within the three concentration areas have become the academic means of support of modern architectural practices. It offers prospective graduate students the means to integrate their intellectual qualities through synthesizing architecture, sciences, and engineering using intellectual rigor, aesthetic judgment, and technical understanding of buildings and construction.

#### **Civil Engineering**

The Master program has evolved from the obvious need to develop qualified and specialized engineers in the various disciplines of Civil Engineering. Graduates of the proposed Program will be highly specialized in their areas and are therefore expected to take the lead in the national development of UAE in the various fields of Civil Engineering. The program is offered by the Department of Civil and Environmental Engineering.

#### **Electrical Engineering**

The UAE University needs to maintain its leadership in technology locally and within the Arab world by offering graduate degrees in areas of rapid technological growth such as Electrical Engineering. It will also strengthen its position as the principal provider of national human resources to the local industry and government organizations. The main motivations exist for the program; meeting industry and market demands, developing modern communities in the UAE, and developing an advanced research environment.

#### **Engineering Management (MEM)**

The Faculty of Engineering and Faculty of Business and Economics at UAEU offers a two year Masters of Engineering Management (MEM) degree program. The program is developed for promising executives with an undergraduate technical degree who are rising through the technical function of their organization or starting their own company. It is an elite program - restricted to highly motivated groups of UAE professionals designed to impart knowledge for today's and tomorrow's technology driven businesses. The program is not intended for students pursuing further advanced degrees. The interdisciplinary nature of the program will provide students with training that enables them to be globally competitive.

# Graduate Programs

## **Material Science and Engineering**

Material Science and Engineering involves creating reliable and useful materials to serve mankind. This is accomplished through design, processing and analysis of materials having controlled compositions, microstructure and properties. The master program in Material Science and Engineering (MSE) is interdisciplinary, focusing on all materials, metals, polymers, ceramics, electronic materials, biomaterials and their composites. Completion of the master program in MSE at the United Arab Emirates University provides a significant level of preparation for a broad range of career paths.

## **Mechanical Engineering**

The mission of the Mechanical Engineering Department is to provide high quality education in mechanical engineering to prepare graduates for diverse careers in mechanical engineering to contribute to the expansion of the country's economical development and to meet the needs of the UAE industry and society. Undergraduate as well as graduate programs of Mechanical Engineering at UAEU can provide life long satisfaction. Internationally the number of degrees awarded in Mechanical Engineering and its specializations have been consistently ranked first.

## **Water Resources**

The WRMP is an interdisciplinary program, focusing on surface water resources, groundwater resources, and non-traditional water resources including the desalination and treated wastewater. Graduate of the WRMP are expected to play a leading role at the national, regional and international levels to develop and sustain the limited available water resources. Holding a Master Degree in Water Resources from the United Arab Emirates University provides an outstanding level of preparation for a broad range of career paths in related areas.

## **M.Sc. in Remote Sensing and Geographic Information Systems (GIS)**

The Remote Sensing and Geographic Information Systems Master of Science Program is the first of its kind in the region. It is designed to provide students with the theoretical background and practical skills to start or advance their career in remote sensing and GIS. The curriculum has been specifically developed to suit students from diverse academic backgrounds and professional occupations. No prior remote sensing or GIS experience is required to excel in the program. The demand for professionals with geospatial skills has been consistently increasing in various sectors including municipalities, police, environmental agencies, utilities companies and oil industry. Our primary objective is to educate and train those who need spatial thinking and geospatial techniques in their current or future careers.

## **Petroleum Science and Engineering**

### **Track 1: Petroleum Geosciences**

### **Track 2: Petroleum Engineering**

### **Track 3: Chemical Engineering**

The Petroleum Science and Engineering program is a coordinated program that offers industry personnel the opportunity to earn a Master of Science (M.Sc.) degree in one of three disciplinary areas of Petroleum Geosciences, Petroleum Engineering, or Chemical Engineering. Offering the three programs together, allows professionals in the three disciplines to work on multi-disciplinary teams during part of the course work and in their research, mirroring recent trends in Industry.

## **Clinical Psychology**

This program provides professional preparation for the clinical practice of psychology enabling individuals to diagnose and treat psychological and behavioral disorders in a variety of settings. This program requires 39 semester hours of study, including six semester hours (600 clock hours) of supervised practicum experience in an approved mental health or rehabilitation setting. Full-time students will be able to graduate in two years, while part-time students will take a longer time.

## **Master of Social Work**

Master of Social Work programs prepare graduates for advanced professional practice in an area of concentration. The MSW program will prepare UAEU graduates to enter the job force as specialized practitioners, accepting leadership roles within the areas of health/mental health, criminal justice, applied research, policy analysis, community education, schools and in the planning and provision of social services in other areas.

## **Masters in Governance and Public Policy**

The Master of Governance and Public Policy (MGPP) degree aims to impart knowledge, skills, and analytic capability about the rational application of methods, practical tools and techniques in public governance including the formulation, implementation, and evaluation of public policy in the dynamic and complex era of globalization. The Program combines relevant contemporary theories, professional skills, practical knowledge, high level research skills and critical thinking to approach the questions of governance and policy management in the new millennium.

# Graduate Programs

## **M.Sc. in Horticulture**

The Faculty of Food and Agriculture offers Master's Degree in Horticulture Sciences. The graduates of are highly demanded in the current job markets. The occupational positions which can be filled by graduates of this proposed program include, but are not limited to, horticulture architects and designers, city horticulturists, research assistants and university instructors, and many others. Students can focus their study in the areas of horticulture, agro-ecology, biotechnology, breeding, crop physiology, crop production, mineral nutrition, modeling and quantitative horticulture, plant growth and development, post harvest physiology, renegotiation/ restoration, as well as sustainable water management.

## **Master of Science in E-Business**

The Electronic Business (E-Business) specialization provides a wide-range of theory and practice in e-Business, which in the last decade has totally transformed the way business and management are conducted. The main pillar of the program is service oriented computing, which covers the science and technology of services innovation and delivery that leverages information and computing technologies to be able to model, create, operate, and manage business solutions.

## **Master of Science in Information Security**

The Information Security specialization provides the management skills and technical knowledge needed to plan, acquire, operate, manage and evaluate an organization's information security operations. Students enrolled in this specialization are expected to pursue a plan of study to assure professional competence and breadth of knowledge in the field of information security. The emphasis of this specialization is on applying proven and innovative practices for building industry-standard secure systems, applications and networks .

## **Master of Science in Software Engineering**

The Software Engineering specialization provides a solid foundation in theory and practice in software engineering, with in-depth exposure to the state-of-the-art in software development processes, methodologies, and tools. Teamwork is emphasized throughout the curriculum to provide students with essential skills to be successful software engineering professionals.

## **Private Law**

Master in private law set up to enhance scientific research in the field of private international law and help to develop its scientific and respond to the needs of the UAE market in terms of providing outstanding scientific talent in the field of civil and commercial. To enable the analysis and understanding of legislative provisions. And provide legal consultation is true and accurate and the ability to deal with the tasks of teaching in the faculties of law in this field of specialization and prepare students to pursue postgraduate studies (PhD), and qualifying students to work in the judicial field.

## **Master of Science in Network Engineering**

**The Network Engineering specialization provides the foundations for building, deploying and managing computer network systems.** The emphasis of this specialization is on applying proven and innovative practices for building industry-standard networking solutions.

## **Master of Science in IT Management**

The Information Technology (IT) Management specialization produces graduates who have a thorough understanding of information systems and technologies along with relevant management, communication, and decision-making skills. Students learn how to integrate information systems technology expertise and management skills to effectively implement organizational solutions. This combination of advanced technical knowledge and management skills with organizational strategy put information systems graduates in a position to succeed as IT leaders and technical experts

## **International Trading Law**

The UAE has now become one of the most important international trade centers attracting huge amounts of economic investments from all over the globe especially from the western countries. This requires highly qualified individuals; efficiency in the field of international trade law is probably the most important issue here with special focusing on international trade law contracts and the related international trade organizations. Jurist has to possess distinguished efficiency, remarkable experience, correct legal command and high ability to conduct negotiations with international corporations.

## **Public Law**

The Public Law specialty emphasizes the laws related to the state as sovereign state such as the Criminal Law, Administrative Law, International Law and Constitutional Law. These are all highly important laws as they are located in the state's public order core and require; therefore; rooting to be correctly understood and implemented as they touch the state's interests in general and the citizens' interests in particular. Since the UAE is in need to have distinguished efficiencies to run its administrative establishments, judicial positions capability to conduct authenticated and scientific research process to understand and analyze legislative provisions and judicial judgments to provide correct and accurate legal consultations especially in the governmental establishments.

# Graduate Programs

## **MSc in Medical Sciences**

### **Track 1: Microbiology & Immunology**

### **Track 2: Pharmacology & Toxicology**

One of the important tasks of the FMHS is to “develop medical scientists and to support programs of research in the basic medical sciences and clinical sciences, with emphasis on areas of special interest for United Arab Emirates”. Master of Medical Sciences program’s ultimate aim is to develop competence and expertise in the fields of basic and applied medical sciences. The structure of the Master of. Med. Sc. curriculum is organized as consisting of two tracks: “Medical Microbiology and Immunology” and “Applied Pharmacology and Toxicology”. The program is designed to cater for the needs and aspirations of individual students, the expressed needs of the relevant institutions in UAE.

## **MSc in Public Health**

The Master of Public Health (MPH) program is a new program. It is a multi-disciplinary program open to both UAE Nationals and non-Nationals who can demonstrate an interest and commitment to public health. Although there will be a particular emphasis on the health and health needs of the UAE and its neighboring region, UAEU MPH graduates will have the competencies to practice public health in any community or population throughout the world. The course is predominantly a taught course but the latest teaching methods will be used and there will be substantial written assignments. The course will be delivered by staff from the Department of Community Medicine together with visiting teachers from overseas at the FMHS campus at UAEU. The program will provide a broad academic training in public health, occupational health, epidemiology and biostatistics. Students will acquire the knowledge and skills to understand and appraise clinical and health services research and to plan and evaluate health services or other interventions to improve health .

## **MSc in Molecular Biology and Biotechnology**

This program is strongly interdisciplinary and offers training in the fields of basic and applied molecular biology, animal and plant biotechnology, pharmacology, etc. Students who joined this MSc program can choose from many research topics for their thesis work, in addition to being well placed in a setting of advanced and inspiring graduate courses.

## **MSc. Degree in Chemistry**

The purpose of the proposed program is to provide opportunities to top students to pursue a high quality graduate education in the field of chemistry. Students graduating from the program will be prepared to fill positions in:

- Industries such as oil and gas, pharmaceutical and technology sectors.
- Government labs and offices including those involved with water treatment, environmental issues and forensic science.
- Education.

The program will also prepare students who wish to pursue the Ph.D. degree both at UAEU and abroad.

## **Environmental Sciences**

The Environmental Science Master Program at the United Arab Emirates University is designed to prepare students with the knowledge, technical and research skills needed to identify, analyze, and resolve environmental problems from an interdisciplinary perspective. The program integrates knowledge from a wide variety of disciplines including the physical, chemical, biological, natural, engineering and health sciences. Acceptance in the program is competitive and the language of instruction is English. A scholarship program is available to provide financial support for students with exceptionally high academic records.

## **MSc in Physics**

The Master of Science in Physics program is designed to serve and support the UAE strategic needs in various areas which include, but are not limited to: Nuclear energy, Semiconductor Industry, Medical Physics, Aerospace Industry, Nanophysics and Nanotechnology. The program aims at preparing its graduates for professional and leadership positions in industrial, educational and governmental institutions.

## **Master in Mathematical Sciences**

The department of The objectives of the program are to provide students with knowledge and mathematical skills useful to their professional careers and to prepare students to more advanced studies. In addition the students will be given the opportunity enlarge their view of higher mathematics, while developing their knowledge and skills in their favorite discipline.

*For detailed information regarding the UAEU graduate programs & graduate research opportunities visit the following websites:*  
<http://www.uaeu.ac.ae/graduate/>

## PhD Program

### About the Program

In May 2009, the UAEU announced the launch of the first PhD programs at a national university in the United Arab Emirates. From September 2009, UAEU began accepting suitably qualified students into doctoral programs in each of its Faculties. UAEU PhD program is open to both national and non-national students with high academic standing and keen interest in research. Scholarships are available for national students.

### PhD Program Model

The program follows an American model, which involves one year of course work to be followed by research and the writing of a dissertation over a further two to three year period. Standards are high, with admission and program quality managed by the Board of Graduate Studies.

### UAEU Research Strategy

The PhD program is part of the wider strategy to increase research capability at UAEU and represents an important step in the transformation of UAEU into a world-class research-intensive university.

*For detailed information regarding the UAEU Phd program and research opportunities visit the following website:*

*[http://www.uaeu.ac.ae/study\\_opportunity/phd/index.shtml](http://www.uaeu.ac.ae/study_opportunity/phd/index.shtml)*

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