




**AUS** | الجامعة الأميركية في الشارقة  
American University of Sharjah

Graduate Admissions Prospectus  
2017–2018

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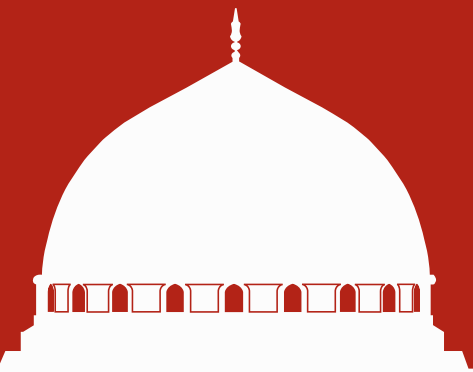
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# Discover AUS

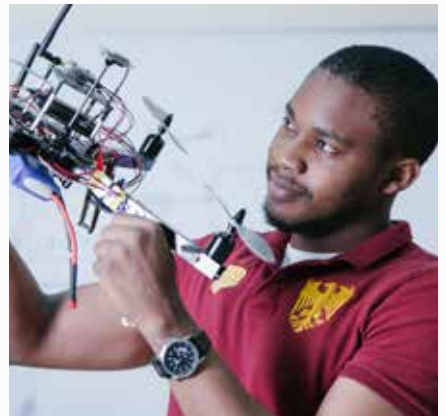


Making the right choice for your graduate studies is about more than just choosing a degree program. At American University of Sharjah (AUS), we are recognized by students, employers, faculty members and international accreditation bodies as a leading educational institution in the Gulf. The standard of instruction equals that of outstanding universities in America, with emphasis on individual initiative, active learning and the application of knowledge.

Choosing a graduate program requires an informed decision based on the flexibility of the program, the quality of the research produced, the facilities provided and the qualifications of the faculty. What makes AUS the obvious choice is that it provides a world-class American university education in the heart of the GCC with outstanding teaching, faculty and facilities.

AUS offers 14 master's degrees through the College of Architecture, Art and Design; the College of Arts and Sciences; the College of Engineering; and the School of Business Administration. These programs are designed to meet the challenges of a competitive and dynamic business and industrial environment.





## Flexibility

Our graduate programs are flexible to ensure that students are able to pursue their careers alongside their master's degree. Students can choose between a full-time schedule (three or four courses per week) and a part-time schedule (from one course per week) each semester. Courses are offered in the evenings, so students can pursue their degrees while working. Some of the programs can also be completed in as little as 16 months or as much as five years, depending on the student's status.

## Faculty

Known for its academic excellence, AUS has 374 highly qualified full-time faculty members drawn from 48 countries, with years of teaching and research experience and degree qualifications from some of the most prestigious universities in the world including Harvard University, Yale University, University of Cambridge, University of Oxford, Stanford University, Brown University, Cornell University, Columbia University, University of California- Berkeley, University of Michigan and Princeton University, to name a few.

## Graduate Assistantship Opportunities

AUS awards a number of graduate assistantships to qualified graduate students. Graduate assistantships provide assistance with tuition fees (from 33 to 100 percent tuition waivers) and a monthly stipend during regular semesters. Graduate assistantships can be in the form of a Graduate Research Assistantship or a Graduate Teaching Assistantship, giving students research experience through working with a faculty member or teaching-related experience through part-time employment in positions such as lab assistants. Assistantships are awarded on a competitive, semester-by-semester basis.

## Career and Professional Development Opportunities

Graduate students at AUS enjoy a close relationship with faculty advisors who act as mentors and provide students with guidance on career choices. Advisors also assist students who choose to continue their higher education towards a PhD degree.

Our alumni work in a number of multinational firms, NGOs and governmental institutions. The university also hosts an annual Career Forum and provides AUS alumni the opportunity to meet representatives from the private and public sectors interested in recruiting AUS students and graduates.

## Academic Resources

Students at AUS benefit from many academic resources that support their classwork. Our well-equipped laboratories, studios and computer learning resources provide valuable practical experience. Our library, one of the best in the region, has a large collection of books and media items, computer workstations, study rooms and media viewing rooms. Using the library website, students and faculty can access e-books, online databases, journals and other digital resources. The library also offers hands-on information literacy classes to teach students research skills.

## World-Class Scientific Research

AUS is committed to becoming the top research university in the region, known for its excellence and innovation. The university encourages and supports the research, scholarly and creative activities of its faculty and students. Graduate students have the opportunity to engage in research with faculty members and to publish their work. In addition, plans are underway for the university to build a state-of-the-art research, innovation and technology park.

## On-Campus Facilities

AUS has a host of on-campus facilities that provide the necessary services for the university's diverse campus community. These facilities include restaurants, coffee shops, a bank, a bookstore, a copy center and post office, a health center, sports facilities and other amenities to help you make the best use of your time on campus.





# College of Architecture, Art and Design

## Master of Urban Planning (MUP)

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[www.aus.edu/caad/mup](http://www.aus.edu/caad/mup)

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Dr. Varkki George Pallathucheril  
Dean

Zinka Bejtlic  
Associate Dean

Urban planning is concerned with creating pleasing and functional places where present and future generations can live, work, entertain and engage in their customary community, social, religious and cultural activities. Named one of the top 10 careers of tomorrow (*Gulf News*, April 13, 2016), urban planning has roots in architecture, engineering, public health, law and the social sciences. Planners today combine design, analytical and communication skills to help communities manage change. Urban planning involves government, private enterprise and local communities taking concerted action toward achieving a common goal.

The Master of Urban Planning (MUP) at AUS provides a specialized and professional education that enables graduates to exert leadership in managing urban growth, developing urbanization policies and promoting social development. The program imparts to students ethical standards compatible with the values of local cultural settings, principles of social justice and concerns for environmental protection and sustainability.

The MUP program prepares individuals to become experts and leaders in the management and planning of urban development; in doing so, they will be guided by professional and ethical standards rooted in values of sustainability, local culture and social justice.

### Program Goals

The MUP program seeks to:

- offer a high-quality educational setting that integrates theoretical principles of urban planning with practical methods and applications
- pursue approaches to teaching and learning that emphasize dealing with practical real-world issues and problems
- support and promote original interdisciplinary research in urban planning and related fields
- advance cooperation and forge partnerships with local communities, be they governmental, professional, academic and other local groups such as community-based organizations, not-for-profit entities and nongovernmental organizations

### Program Outcomes

Graduates of the MUP program will be able to:

- use quantitative, qualitative and visual techniques to analyze and interpret data and communicate information in support of planning and policy-making for cities and regions
- lead and guide locally relevant processes, which include stakeholder participation, for making and implementing different kinds of plans
- undertake research and analysis in an interdisciplinary setting to foster sound insights into planning for sustainable places

### Why Choose the Program?

The AUS MUP Program is geared to the needs of working professionals, with classes offered in the evenings and sometimes on the weekend. Having working professionals in the program enriches the overall educational experience. Students, especially those with limited professional experience, benefit from contact with working professionals familiar with local practice and conditions.

MUP students have access to some of the leading design educators and facilities in the region as the program is housed in the AUS College of Architecture, Art and Design. Full-time program faculty have extensive international teaching and practice experience; adjunct faculty provide valuable grounding in local professional practice. Urban planning is more than design,

however, and access to graduate courses in other parts of the university, such as the College of Engineering and the School of Business Administration, allow unrivaled opportunities for a broad education.

Many graduates of the program have gone on to take up leadership positions in local government and in the private sector. Others, already placed in these kinds of organizations, have used their MUP degrees to advance their careers.

## Admission Requirements

Applicants are required to fulfill the university's general admission requirements for graduate studies. The program admits students from all fields of study including, but not limited to, urban planning, architecture, engineering, business, the humanities and the social sciences. Applicants must submit their most recent curriculum vitae (CV) with the application package.

Applicants are encouraged to apply early. The MUP Program has a limited number of seats.

## Degree Requirements

The MUP degree is awarded after the successful completion of a minimum of 33 credits of courses. This includes six core courses (18 credits) and three elective courses (9 credits) at the graduate level, and a capstone experience with two workshops (6 credits). Students (full- or part-time) must complete the degree requirements within five years from the time of initial enrollment in the program. A minimum cumulative grade point average of 3.00 is required for graduation.

## What Students Say

*I chose this program because I believed that it would fulfill my passion towards sustainability and would provide me with the required knowledge to add my own print to the existing practices of sustainable development in the UAE through investigation and research.*

Shaima AlHarmoodi, MUP graduate

*Cities have increased in size and population dramatically over the last century, since more people have shifted from rural to urban areas. This change has to be accompanied by proper specialized planning; in our case, it's urban planning. Living in one of the fastest growing cities worldwide, I wanted to 'master' the art of planning cities, where you are able to create vibrant spaces, achieve economic growth and social equality, and ultimately combat the effects of climate change, through good urban planning. The AUS Master of Urban Planning program helps me to achieve that passion, through quality education, and it is a great honor being part of this program.*

Mohamed AlMutawwa, Manager–Green Economy, RTA Dubai

*I have more than 30 years practical experience in different aspects of engineering, including 16 years in master planning. The MUP program helps me fill the gap between my practical experience and theoretical knowledge, which includes studying various schools and theories of urban planning as well as using the proper instruments for the implementation of urban planning principles. The program helps the learners to think analytically from a planning perspective in addition to conducting professional urban planning studies and analysis.*

Omar Thiad, Senior Manager–CAD & Survey, Dubai Creative Clusters Authority

*As an Urbanist, I've been always passionate about urban design and city planning. Graduating with a bachelor's degree in architectural engineering encouraged me to pursue my career in urban planning, which is why I chose to enroll in the MUP program at AUS. As one of the best urban planning programs in the region, this program helped me perform better at my work, enhance my knowledge and skills while applying them to reality, propose better policies and projects, and grow within my career.*

Humaid Abdulla Al Hammadi, Head of Land Allocation Unit, Planning Department, Dubai Municipality





CAS



# College of Arts and Sciences

## Master of Arts in English/Arabic/English Translation and Interpreting (MATI)

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[www.aus.edu/cas/mati](http://www.aus.edu/cas/mati)

Dr. James Griffin, Director of Graduate Programs

Dr. Said Faiq, Program Coordinator

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The Master of Arts in English/Arabic/English Translation and Interpreting (MATI) responds to the vital role that intercultural communication plays in international encounters and the growing impact of the Arab region on world affairs by equipping graduates with highly specialized translation and interpreting skills in English and in Arabic. The AUS MATI Program places the diverse range of skills required for translation and interpreting within a general theoretical framework, which provides students with the conceptual tools to identify, analyze and resolve problems and develop a reflective approach to translation and interpreting. The AUS MATI Program provides students with advanced training in translation and interpreting techniques as well as in terminology management, machine translation (MT), translation memory (TM) and language engineering areas most relevant to the work of translators and interpreters in today's complex web of communication.

Dr. Mahmoud Anabtawi  
Dean

Dr. James Griffin  
Dr. Ahmad Shihan Al-Issa  
Associate Deans

### Program Goals

To fulfill its mission, the AUS MATI Program aims to:

- equip graduates with highly specialized translation and interpreting skills and techniques in English and in Arabic
- provide students with the conceptual tools to identify, analyze and resolve problems and develop a reflective approach to translation and interpreting
- enhance their knowledge of English and Arabic language and linguistics as they relate to translation and interpreting
- provide students with relevant technologies for translation and interpreting
- prepare students to respond confidently to the demands of translation and interpreting within the fields of business, science, international relations, law and journalism
- further develop their knowledge of relevant research methods and academic writing conventions

### Program Outcomes

Graduates of the AUS MATI Program should be able to:

- demonstrate competence in translation and interpreting into and out of English and Arabic
- demonstrate the ability to reflect upon and use relevant theories of translation and interpreting in the production and assessment of translation and interpreting tasks
- apply knowledge of English and Arabic language and linguistics to the tasks of translation and interpreting
- apply relevant technologies to translation and interpreting activities
- perform competently in translating and interpreting for business, science, international relations, law and journalism
- employ appropriate research methodologies and conventions of academic writing

### Why Choose the Program?

This fully accredited program is for participants who want to become professional translators or interpreters, or to go onto doctoral research and an academic career in these areas. Translation and interpreting services are in demand now more than ever as the world market expands and globalization gathers momentum. The vital role that English plays in international communication and the growing impact of the Arab World on world affairs combine to create a demand for highly trained English/Arabic translators and interpreters. The AUS MATI Program responds to these demands. It equips graduates from a variety of disciplines with highly specialized translation and interpreting skills. The program also addresses the need for upgrading skills of professionals already working as translators and interpreters. Courses produce graduates conversant with various forms of translation and interpreting required in the complex web of communication. This diverse



range of skills is placed within a general theoretical framework, providing students with conceptual tools to identify, analyze and resolve problems and develop a reflective approach to translation and interpreting. Areas covered in the program include:

- intensive translation and interpreting training
- specialized technical translation
- state-of-the-art facilities for translators and interpreters
- lexicography and terminology management
- machine-assisted translation and language engineering
- research-oriented translation studies
- links with professional organizations

Some of our graduates are employed by embassies or the British Council. Others work in the private sector for translation agencies, petroleum companies, banks and media organizations, or in teaching. Some pursue doctoral research and a career in academia.

## Admission Requirements

In addition to the general university admission requirements, the following applies to the AUS MATI Program:

- Non-native speakers of Arabic must hold a BA in Arabic.
- Participants are expected to be native speakers or near-native speakers of Arabic with a high level of competence in English, or native speakers or near-native speakers of English with a high level of competence in Arabic.
- We welcome applications from students with significant relevant experience in Arabic/English translation or interpreting.
- Applicants may be required to take Arabic/English translation tests as part of their admission process.

## Degree Requirements

The program consists of 10 courses (30 credit hours) and a thesis (6 credit hours). Completion of all program requirements requires four semesters on average. Funding is available on a competitive basis.

## What Students Say

*Thanks to the AUS MATI Program, I explored the true horizons of this profession. The program's solid theoretical base along with the global and cultural dimensions associated ensures a wide range of career opportunities to any future student.*

Fatemah Al Buloshi, American University of Sharjah  
Formerly with the Government of Dubai

*The unique blend of theory and practice sharpened my appreciation of translation and interpreting and what they really involve. Like many, before joining the program, I thought of translation and interpreting as mere mechanical operations. Now, having gone through the courses and the thesis, I know that these two vital activities of communication are more than that. It was very clear from the first course that I was facing a new field totally different from what I knew, a field that involves linguistic, cultural, political as well as technological dimensions.*

Nidhal Mohammed Qwai, Ministry of Education



# Master of Arts in Teaching English to Speakers of Other Languages (MA TESOL)

[www.aus.edu/cas/matesol](http://www.aus.edu/cas/matesol)

Dr. James Griffin, Director of Graduate Programs

Dr. Gary Linebaugh, Program Coordinator

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Students in the MA TESOL program receive a balanced foundation of both practical and theoretical knowledge needed to teach English at all levels and to progress to doctoral studies in areas related to language teaching. The curriculum seeks to produce informed teachers capable of using theory to enhance their teaching practice. Their acquired theoretical knowledge is reinforced by supervised teaching in real-world classrooms, peer teaching and classroom demonstrations.

Students acquire knowledge about language structure and its acquisition, language learning theories, and research methods. They are trained to evaluate the effectiveness and validity of different teaching methodologies and testing procedures, to use CALL, to develop or adapt materials for special teaching/learning situations, to supervise classroom teachers, and to assist in the administration of English as Second Language (ESL) programs in the Gulf region.

The AUS MA TESOL Program has attracted and retained outstanding professional and multicultural faculty members committed to mentoring and teaching students. They are active scholars with research agendas in various specialty areas in TESOL.

## Program Goals

To fulfill its mission, the program's goals are:

- to develop in students a critical approach to assessing second language learning models, teaching methodologies and materials appropriate to the UAE cultural context
- to prepare students for positions requiring high levels of proficiency in teaching English as a foreign or second language at the secondary and tertiary levels
- to equip its graduates with the required competencies to contribute to the field and prepare them to enroll in PhD programs

## Program Learning Outcomes

Upon graduation from the AUS MA TESOL Program, students should be able to:

- demonstrate an understanding of the basic models of language learning/teaching
- explain the role of culture in language learning and teaching in an ESL/EFL environment
- demonstrate critical and practical knowledge in the field of computer assisted/enhanced language learning
- apply pedagogical theories in applied linguistics to teaching practices
- apply testing and assessment concepts to real classroom situations
- develop/adapt and evaluate learner-centered curricula and materials for specific language teaching situations
- use effective classroom observation and research skills to improve teaching
- conduct original research

## Why Choose the Program?

Because of the important role of English as a lingua franca in business and education worldwide, the demand for professionals qualified in teaching English to speakers of other languages (TESOL) continues to grow. This program is ideal for:

- those who have a bachelor's degree and are interested in a career in TESOL
- those who are already teachers and want to expand their career options
- those who are considering doctoral studies in the fields of language or education

Among the many careers in TESOL are teacher, teacher educator, school principal/director, education administrator, school inspector, curriculum developer, materials-writer/editor and university faculty member.

Special features of the program include:

- highly qualified, experienced faculty from all over the world with PhD degrees earned from prestigious universities
- faculty who have taught English in different countries around the world

- faculty with active research interests in various TESOL areas
- excellent library facilities and laboratories
- on-site opportunities to carry out practice teaching
- an evening course schedule, allowing students to attend classes around their work schedules

Graduates from the AUS MA TESOL Program have secured teaching and administrative posts both in the UAE and abroad. Some are directing TESOL programs at universities and private language institutes, some are working as language instructors in universities in the UAE, and others are teaching supervisors and inspectors in the region. A number of the program's graduates have enrolled in doctoral studies in universities abroad.

## Admission Requirements

In addition to fulfilling the general university requirements for graduate admission, the applicant must have a minimum score of 5.0 on the TWE (Test of Written English). Applicants may register for the TWE exam with the AUS Testing and Professional Development Center. Applicants should take the TWE exam at least one week prior to the beginning of the registration period of the semester they are applying for.

## Degree Requirements

The MA TESOL is awarded after successful completion of 36 credits at the graduate level. This consists of 10 graduate-level courses and a six-credit thesis, or 11 graduate-level courses and a three-credit professional project. The thesis or professional project is supervised by a faculty advisor and committee.

## What Students Say

*When I joined the MA TESOL program, I thought I knew why I was there: I wanted to become a better teacher. But the MA TESOL program and its faculty helped me achieve more than I had expected. They helped me identify my potential and develop it. I never knew I was a good presenter until I heard it from my professors, and as a result of their continuous support, I ended up presenting at the International TESOL Arabia Conference during the last year of my studies. I never knew that I was a good writer until I was encouraged by my professors to send out my articles to different journals and get them published. I never knew how much I love doing research and how much fun one can possibly have while doing it. I am now a PhD researcher at the Institute of Education, University of Reading, UK. My PhD dissertation is about teachers' reflection, and it is now my passion. The topic of reflective practice was first introduced to me in this program. My dreams have now come true. I am very grateful to all my professors in the MA TESOL program at AUS for helping me find my way.*

Shahla Yassaei, MA TESOL graduate

## Master of Science in Mathematics (MSMTH)

[www.aus.edu/cas/msm](http://www.aus.edu/cas/msm)

**Dr. James Griffin**, Director of Graduate Programs

**Dr. Abdul Salam Jarrah**, Graduate Program Coordinator

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The Master of Science in Mathematics (MSMTH) program provides students with rigorous and thorough knowledge of a broad range of pure and applied areas of mathematics. It is designed to train students with different professional goals, ranging from employment or career advancement in business, industry or government, to basic training in foundations needed to obtain a research career or pursue a PhD in mathematics or mathematics-related fields.

## Program Goals

The program seeks to accomplish the following:

- provide the analytical skills necessary to formulate and solve complex mathematical problems that are of contemporary relevance in the fields of pure and applied mathematics
- develop the mathematical skills and knowledge to facilitate career advancement in education, business or industry, or to pursue more advanced study such as a PhD degree in mathematics or mathematics related-fields
- provide the mathematical skills and knowledge to describe and solve complex quantitative problems that arise in business or industry



## Program Outcomes

Upon completion of the program, graduates should be able to:

- apply advanced mathematical analysis to mathematical models
- demonstrate a comprehensive understanding of analysis, algebra, geometry and applied mathematics
- formulate and construct proofs
- clearly communicate mathematical concepts
- apply advanced mathematical techniques in their professional activities
- conduct independent research in specialized areas of mathematics
- employ mathematical methods to model and solve practical problems
- demonstrate advanced knowledge of analysis, financial mathematics, and differential equations and their applications
- formulate problems in mathematical terms arising in related areas such as engineering, finance, and the natural and physical sciences

## Why Choose the Program?

The program, which can be completed within two years, is flexible as it has two tracks (pure and applied), with thesis and non-thesis options. It is designed to train students with different professional goals—ranging from employment or career advancement in business, industry, or government—to basic foundations needed to obtain a research career or pursue a PhD in mathematics or other related fields. With evening and weekend classes on offer, the program appeals to working professionals.

The MSMTH faculty members are active researchers as well as passionate teachers. Their diverse research expertise covers many areas of mathematics and statistics, and they regularly present their work at international professional meeting.

## Admission Requirements

In addition to meeting the university's admission requirements, an applicant must hold a bachelor's degree in mathematics or a related field and have successfully completed at least the following:

- 9 credit hours in calculus
- 3 credit hours in differential equations
- 3 credit hours in linear algebra
- 3 credit hours in modern algebra
- 3 credit hours in advanced calculus

## Degree Requirements

The Master of Science in Mathematics degree consists of two tracks: Pure Mathematics and Applied Mathematics (industrial/financial). Students in each track must select between two options: the thesis option and the non-thesis option.

Students seeking an MSMTH degree must successfully complete a minimum of 30 credits in required and elective courses, with a minimum cumulative GPA of 3.00. Students must successfully complete the degree requirements within five years from the time of initial enrollment in the program.

## What Students Say

*The faculty members in the math department enhance our cognitive abilities to prepare us for future challenges. It's a blessing to pursue my master's degree here, because it has not only increased my interaction with these scholarly heavyweights and the undergraduate students, but it has also enriched my mathematical skills. I can easily say that I'm living and breathing mathematics right now, which is a dream come true.*

Binish Jamal, MSMTH student

*I decided to join the MSMTH program, not just because I could stay with my family, but also because I know from my undergraduate days that the Department of Mathematics and Statistics at AUS has amazing faculty members. I have thoroughly enjoyed being able to customize both my undergraduate and graduate program—you really learn what you want to learn. The graduate program MSMTH at AUS is the best way to pave my future path.*

Jonas Saman, MSMTH student



# College of Engineering

## Master of Science in Biomedical Engineering (MSBME)

[www.aus.edu/cen/msbme](http://www.aus.edu/cen/msbme)

Dr. Hasan Al-Nashash, Program Director

Salwa M. Mohamed, Academic Programs Coordinator

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The Master of Science in Biomedical Engineering program prepares professionals for advanced careers and/or doctoral studies related to biomedical engineering. The program continuously strives to create a stimulating academic environment that promotes excellence in teaching and research, helping its students to become competent, innovative and responsible professionals. Based on high standards similar to those followed in the United States, the MSBME curriculum provides core courses in mathematics, anatomy and physiology, followed by elective courses in several biomedical engineering subdisciplines, including healthcare management and informatics, biomedical signals and devices, biomaterials and biofluidics.

### Program Educational Objectives and Outcomes

Graduates of the MSBME program will be prepared to:

- perform research emphasizing creativity, independent learning and scientific methods in a chosen area of biomedical engineering
- apply advanced mathematics and engineering knowledge in identifying, formulating and solving biomedical engineering problems
- select and use techniques, skills and modern tools necessary for research or professional practice
- communicate effectively
- recognize the need for, and engage in, lifelong learning
- attend to biomedical professional and ethical responsibilities

### Why Choose the Program?

Recent developments in the Middle East and North Africa (MENA) region, and specifically in the Gulf Cooperation Council (GCC) region, have increased the need for biomedical engineers. The tremendous rate of population growth in the MENA region is accompanied by a concurrent demand for and growth in healthcare services, such as hospitals, clinics, medical colleges, medical technology suppliers and biomedical engineering, which is reported to be one of the fastest growing engineering discipline worldwide.

The MSBME degree at AUS is offered to:

- support local and regional healthcare industry needs with qualified biomedical engineers who are prepared to solve engineering problems and carry out research and development projects
- meet the rapidly growing demand for specialized biomedical engineers to cope with the expanding regional healthcare industry
- allow for appropriate technology transfer and development that will help enhance the performance of regional industries
- present an efficient and formal mechanism to link local and regional industry with the College of Engineering faculty and students to tackle mission-driven and applied research
- provide an alternative to graduate education abroad for qualified students of the region

In the AUS MSBME program, students can select a number of multidisciplinary areas, including healthcare operations management, planning and risk management, biomedical informatics, instrumentation, signal processing, biomaterials, drug delivery and biomechanics. These areas of study enhance the technical skills of all biomedical engineers to meet today's demands as well as those of the future.

AUS has excellent facilities and library resources. The College of Engineering has a wide range of advanced laboratories and software tools that foster advanced research activities.

Teaching and research assistantships, which include stipends and tuition waivers, are available on competitive bases.

**Dr. Richard Tracy Schoephoerster**  
Dean

**Dr. Ghaleb Hussein**  
Associate Dean for Graduate Affairs  
and Research

**Dr. Salwa Beheiry**  
Associate Dean of CEN



## Admission Requirements

AUS strives to attract students with excellent qualifications in order to maintain the world-class quality of its programs. In addition to meeting the university's general requirements for graduate admissions, for admission to the AUS MSBE Program, an applicant must meet specific requirements of the program. For full admission to the MSBME program, an applicant must have a four-year bachelor's degree in engineering from an independently accredited university recognized by the UAE Ministry of Education's Higher Education Affairs Division and by AUS.

A student must complete the degree requirements within five years from the time of initial enrollment in the program.

## Degree Requirements

Students pursuing the MSBME degree must complete a minimum of 30 credits with a minimum cumulative grade point average of 3.00 out of 4.00. Students can choose from three options: thesis, project or courses. Students in all options will be required to complete research-oriented class projects within many of courses. Students who receive an assistantship from AUS must select the thesis option. The degree requirements are aligned with internationally recognized biomedical engineering graduates programs, especially in the United States.

# Master of Science in Chemical Engineering (MSChE)

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[www.aus.edu/cen/msche](http://www.aus.edu/cen/msche)

**Dr. Naif Darwish**, Head of Department

**Salwa M. Mohamed**, Academic Programs Coordinator

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The Master of Science in Chemical Engineering Program prepares professionals in an environment that combines chemical engineering practice and technical research to contribute to the growing body of chemical engineering knowledge, research and development both regionally and internationally. Major research activities include, but are not limited to, the areas of environment, water and wastewater, energy, biomedical and biochemical engineering, process control, transport phenomena, reactions and kinetics, materials and corrosion.

## Program Educational Objectives and Outcomes

Graduates of the MSChE program will be prepared to:

- be successful professionals in a specialized area of chemical engineering
- maintain a desire for research, innovation and lifelong learning
- uphold the responsibilities of the engineering profession

Upon graduation, an AUS MSChE graduate should demonstrate the ability to:

- perform research emphasizing creativity, independent learning and scientific methods in a chosen area of chemical engineering
- apply advanced mathematics and engineering knowledge in identifying, formulating and solving engineering problems
- select and use techniques, skills and modern tools necessary for research or professional practice
- communicate effectively
- recognize the need for, and engage in, lifelong learning
- attend to professional and ethical responsibilities

## Why Choose the Program?

The global economy and rapid changes in technology require an increasing number of engineers with technical expertise beyond the undergraduate level. The Master of Science in Chemical Engineering (MSChE) Program at AUS is designed to help students develop such expertise.

The AUS MSChE Program design is based on high standards similar to those followed in the United States. It strengthens knowledge in the important topics of transport phenomena, thermodynamics, kinetics and reactor design, as well as mathematics. Elective courses are available in several additional topics in chemical engineering. Students further develop their skills through research in a topic of current relevancy.

The MSChE faculty members have a wealth of industrial and academic experience. All faculty members received their degrees from well-recognized universities. MSChE faculty members are active in research and have also carried out consultation activities for industry both regionally and globally.

AUS has excellent facilities and library resources. The College of Engineering has a wide range of advanced laboratories and software tools that foster advanced research activities.

Teaching and research assistantships, which include stipends and tuition waivers, are available on competitive bases.

In addition to working in industry, graduates of the MSChE program have been admitted to universities in the USA and Canada to pursue PhD degrees.

## Admission Requirements

AUS strives to attract students with excellent qualifications in order to maintain the world-class quality of its programs. In addition to meeting the university's general requirements for graduate admissions, for admission to the AUS MSChE Program, an applicant must have a Bachelor of Science in Chemical Engineering from an independently accredited university recognized by AUS. Degreed individuals in other engineering fields or a quantitative science field that is closely related to the sought program field may be considered on a case-by-case basis.

## Degree Requirements

The AUS MSChE Program consists of 30 credit hours comprising college and program courses with a thesis or a project option. This includes 6 credits of college core courses, 15 to 21 credits of program courses, a seminar, and a 9-credit research thesis or a 3-credit project.

## What Students Say

*At AUS, I particularly enjoyed the research, and working closely with faculty on a topic directly related to my interests.*

Noor Abachi, MSChE graduate

*The master's degree program in chemical engineering at AUS has helped me to pursue my wish to learn more after finishing my undergraduate degree.*

Maisam Ali, MSChE Graduate

*I joined AUS to gain knowledge in my specific field through the applied research topics that several of the faculty are offering.*

Saeed Ur Rehman, MSChE graduate

*The opportunity to teach as part of my assistantship at AUS has been a great experience. I've found that when you teach a subject, you begin to understand it much better. I'm also developing leadership skills, as I learn how best to manage and control a recitation or lab group.*

Salam Taji, MSChE graduate

# Master of Science in Civil Engineering (MSCE)

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[www.aus.edu/cen/msce](http://www.aus.edu/cen/msce)

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Through the AUS Master of Science in Civil Engineering (MSCE) Program, students gain in-depth knowledge of the subdisciplinary areas of civil engineering including structural, materials, geotechnical, environmental, transportation and water resources engineering, and construction management. While most bachelor's degree programs in civil engineering broadly encompass many subdisciplines—a reflection of the wide variety of fields in which civil engineers typically work—master's degree programs allow students to further explore specific areas. This detailed, field-specific study of fundamental principles, design methodology and industry-standard planning and design tools helps students prepare to tackle more sophisticated engineering activities, such as planning, analysis, design and project administration.

Gaining experience in conducting original technical research is another important aspect of the AUS MSCE Program. As students find new ways to apply innovative technical solutions to today's problems and further expand the boundaries of engineering understanding, they lay a foundation of problem-solving ability and lifelong learning that will be critical in a career.

## Program Educational Objectives and Outcomes

Graduates of the MSCE program will be prepared to:

- be successful professionals in a specialized area of civil engineering
- maintain a desire for research, innovation and lifelong learning
- uphold the responsibilities of the engineering profession

Upon graduation, an AUS MSCE graduate should demonstrate the ability to:

- perform research emphasizing creativity, independent learning and scientific methods in a chosen area of civil engineering
- apply advanced mathematics and engineering knowledge in identifying, formulating and solving engineering problems
- select and use techniques, skills and modern tools necessary for research or professional practice
- communicate effectively
- recognize the need for, and engage in, lifelong learning
- attend to professional and ethical responsibilities

## Why Choose the Program?

The competitive nature of the construction industry in the UAE and the Gulf region requires engineers with advanced technical skills for identifying, analyzing, evaluating, designing and managing civil engineering projects. The graduate program in civil engineering (MSCE) at AUS is designed for those whose goal is to work in the subdisciplines of civil engineering. Engineers completing a graduate degree program are particularly well suited to work as designers and take an active role in advanced, highly visible projects. Students with a master's degree often find themselves in higher demand, able to work on more desirable projects and earning a higher starting salary than engineers entering the workforce with a bachelor's degree.

Designed based on high standards similar to those followed in the United States, the MSCE degree at AUS is offered:

- to support local and regional industry needs by educating qualified civil engineers who are equipped to solve civil engineering problems and involve themselves in research and development
- to meet the growing need for specialized civil engineers to cope with the expanding regional industrial base
- to facilitate technology transfer that will help in enhancing the performance of regional industries
- to present an efficient and formal mechanism linking local and regional industry with the College of Engineering faculty and students to tackle applied research
- to provide an alternative to graduate education abroad for qualified students of the region

The AUS MSCE faculty members have a wealth of industrial and academic experience.

All faculty members received their degrees from reputable universities. Many of them have worked in leading international companies related to civil engineering. All MSCE faculty members are active in research and have also carried out consultation activities for industry both regionally and globally.

AUS has excellent facilities and library resources. The College of Engineering has a wide range of advanced laboratories and software tools that foster advanced research activities.

Teaching and research assistantships, which include stipends and tuition waivers, are available on competitive bases.

In addition to working in industry, graduates of the MSCE program have been admitted to universities in the USA and Canada to pursue PhD degrees.

## Admission Requirements

AUS strives to attract students with excellent qualifications in order to maintain the world-class quality of its programs. In addition to meeting the university's general requirements for graduate admissions, for admission to the AUS MSCE program, an applicant must have a Bachelor of Science in Civil Engineering from an independently accredited university recognized by AUS. Degreed individuals in other engineering fields or a quantitative science field that is closely related to the sought program field may be considered on a case-by-case basis.

## Degree Requirements

The AUS MSCE Program consists of 30 credit hours comprising college and program courses with a thesis or a project option. The sequence of courses comprises 3 credits of college core courses, 18 to 24 credits of program courses, a seminar, and a 3-credit project or a 9-credit research thesis.

# Master of Science in Computer Engineering (MSCoE)

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[www.aus.edu/cen/mscoe](http://www.aus.edu/cen/mscoe)

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The Master of Science in Computer Engineering curriculum provides core courses in mathematics, followed by core and elective courses in several computer engineering subdisciplines. The MSCoE both deepens a student's general understanding of the theoretical principles and provides specific professional background that allows the individual to succeed in a business environment characterized by rapid technological advancements and a critical demand for continuous improvement in quality.

Graduates of this program acquire solid technical, analytical and practical skills to handle major problems or assignments in the computing field. The core components of the degree include networking, hardware and software design. Additionally, students are allowed to select an area of concentration by taking a set of courses that supports their individual career interests. These areas of concentration include computer networks, optical and wireless networking, high performance and parallel computing, databases and Internet computing, digital video/image processing, VLSI and design automation, industrial automation and software engineering. The program includes a thesis, which enables students to develop their research skills by conducting independent research in the field of computer engineering.

## Program Educational Objectives and Outcomes

Graduates of the MSCoE program will be prepared to:

- be successful professionals in a specialized area of computer engineering
- maintain a desire for research, innovation and lifelong learning
- uphold the responsibilities of the engineering profession

Upon graduation, an AUS MSCoE graduate should demonstrate the ability to:

- perform research emphasizing creativity, independent learning and scientific methods in a chosen area of computer engineering



- apply advanced mathematics and engineering knowledge in identifying, formulating and solving engineering problems
- select and use techniques, skills and modern tools necessary for research or professional practice
- communicate effectively
- recognize the need for, and engage in, lifelong learning
- attend to professional and ethical responsibilities

## Why Choose the Program?

The AUS MSCoE Program strives to produce graduates who are qualified to provide appropriate solutions to digital technology-related problems typically experienced by organizations operating in the UAE and elsewhere. The program aims to bring together exciting new developments in the computing field with key issues in the design and implementation of information systems. It endeavors to strike a balance between the fast-growing knowledge in computing and the application of such technology and to prepare engineers for the sophisticated workforce of the 21st century. The program's commitment to the region is bolstered by its efforts to build partnerships with regional industries in order to foster an entrepreneurial environment for its students as well as provide opportunities for them to engage in applied research activities leading to innovative solutions that improve the quality of life in the UAE.

The AUS MSCoE Program's faculty members have a wealth of industrial and academic experience. All faculty members received their degrees from reputable universities. Many of them have worked in leading international companies related to computer engineering. All MSCoE faculty members are active in research and have also carried out consultation activities for industry both regionally and globally.

AUS has excellent facilities and library resources. The College of Engineering has a wide range of advanced laboratories and software tools that foster advanced research activities.

Teaching and research assistantships, which include stipends and tuition waivers, are available on competitive bases.

In addition to working in industry, graduates of the MSCoE program have been admitted to universities in the USA and Canada to pursue PhD degrees.

## Admission Requirements

AUS strives to attract students with excellent qualifications in order to maintain the world-class quality of its programs. In addition to meeting the university's general requirements for graduate admissions, for admission to the AUS MSCoE Program, an applicant must have a Bachelor of Science in Computer Engineering from an independently accredited university recognized by AUS. Degreed individuals in other engineering fields or a quantitative science field that is closely related to the sought program field may be considered on a case-by-case basis.

## Degree Requirements

The AUS MSCoE Program consists of 30 credit hours comprising college and program courses with a thesis or a project option. The sequence of courses comprises 3 credits of college core courses, 18 to 24 credits of program courses, a seminar, and a 3-credit project or a 9-credit research thesis.

## What Students Say

*The MSCoE program covers the breadth of the computer field with courses ranging from theory to design, to programming, and beyond. It's a great experience so far in all senses: scientifically, culturally and intellectually. I have made wonderful friends, and meeting professors in this department made me feel like I was home. It's great to have good, caring and supportive mentors.*

Jumanah A. Al-Dmour, MSCoE graduate

*What I liked most about this school is that the student interests always come first. When I first arrived the administrative team was very helpful and took care of my needs. The school has academic staff with high qualifications who try their best to graduate great generations. The syllabus is well organized to directly assist achieving the program objectives.*

Sameer Alawnah, MSCoE graduate

# Masters of Science in Electrical Engineering (MSEE)

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[www.aus.edu/cen/msee](http://www.aus.edu/cen/msee)

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The AUS Master of Science in Electrical Engineering (MSEE) Program prepares professionals in an environment that combines electrical engineering practice and technical research to contribute to the growing body of electrical engineering knowledge, research and development. It also prepares graduates to continue advanced studies towards the PhD degree in electrical engineering.

The MSEE Program is dynamic to accommodate new trends in electrical engineering and has several subdisciplinary and research areas that cover a diverse range of topics including digital signal processing, communications, electromagnetics, microelectronics, biomedical engineering, renewable energy, power systems and high voltage engineering, power electronics and electric drives, and control systems.

## Program Educational Objectives and Outcomes

Graduates of the MSEE program will be prepared to:

- be successful professionals in a specialized area of electrical engineering
- maintain a desire for research, innovation and lifelong learning
- uphold the responsibilities of the engineering profession

Upon graduation, an AUS MSEE graduate should demonstrate the ability to:

- perform research emphasizing creativity, independent learning and scientific methods in a chosen area of electrical engineering
- apply advanced mathematics and engineering knowledge in identifying, formulating and solving engineering problems
- select and use techniques, skills and modern tools necessary for research or professional practice
- communicate effectively
- recognize the need for, and engage in, lifelong learning
- attend to professional and ethical responsibilities

## Why Choose the Program?

The competitive nature of industry in the UAE and the Gulf region requires engineers with high technical skills for identifying, analyzing, evaluating, designing and managing electrical engineering projects. Furthermore, practicing engineers wish to enhance their knowledge in technical areas and pursue higher education without traveling abroad.

The MSEE Program at AUS is dedicated to meet such requirements and aspirations. AUS offers the MSEE Program for the following reasons:

- to support local and regional industry needs for electrical engineers who are prepared to solve electrical engineering problems and carry out innovative research development projects
- to allow for appropriate technology transfer and development that will help enhance the performance of regional industries
- to present an efficient and formal mechanism to link local and regional industry with College of Engineering faculty and students to tackle mission-driven and applied research
- to provide an alternative to graduate education abroad for students of the region with a high-quality education at AUS

The AUS MSEE faculty members have a wealth of industrial and academic experience. All faculty members received their degrees from reputable universities. Many of them have worked in leading international companies related to electrical engineering. All MSEE faculty members are active in research and have also carried out consultation activities for industry, both regionally and globally.

AUS has excellent facilities and library resources. The College of Engineering has a wide range of advanced laboratories and software tools that foster advanced research activities.

Teaching and research assistantships, which include stipends and tuition waivers, are available on competitive bases.

In addition to working in industry, graduates of the MSEE program have been admitted to universities in the USA and Canada to pursue PhD degrees.

## Admission Requirements

AUS strives to attract students with excellent qualifications in order to maintain the world-class quality of its programs. In addition to meeting the university's general requirements for graduate admissions, for admission to the AUS MSEE Program, an applicant must have a Bachelor of Science in Electrical Engineering from an independently accredited university recognized by AUS. Degreed individuals in other engineering fields or a quantitative science field that is closely related to the sought program field may be considered on a case-by-case basis.

## Degree Requirements

The AUS MSEE Program consists of 30 credit hours comprising college and program courses with a thesis, project or courses option. The sequence of courses comprises 6 credits of college core courses, 15 to 24 credits of program courses, a seminar, and, in the case of the thesis/project option, a 3-credit project or a 9-credit research thesis.

## What Students Say

*AUS is one of the most distinguished universities in the Gulf region. I was amazed by the opportunities provided by the master's degree program in electrical engineering offered at AUS and hence decided to pursue it. Interactive classes and very helpful professors allow me to gain new insights into concepts taught in various sources. Moreover, I have gained research experience by assisting professors with their research.*

Omniyah Noory, MSEE graduate

*The MSEE program at AUS has exceeded my expectations and provided me with an opportunity to change my career direction. The program offered me valuable academic knowledge and research skills, increased confidence and the desire for innovation and life-long learning.*

Husameldin Hussain Mukhtar, MSEE graduate

# Master of Science in Engineering Systems Management (MSESM)

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[www.aus.edu/cen/mseesm](http://www.aus.edu/cen/mseesm)

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The Master of Science in Engineering Systems Management is a multidisciplinary program, integrating management skills with technical knowledge from different engineering disciplines for the purpose of accomplishing work activities and entire projects more economically and productively. ESM encompasses:

- the integration of system elements—people, information, hardware, software, energy, economics and processes—to manage technology, work activities and projects in public and private sectors
- the development of realistic alternatives, use of practical decision criteria and the implementation of the selected alternative
- the collection and analysis of engineering and other information to make technically feasible and financially sound decisions
- the identification of technical and managerial aspects related to the development and operation of a broad spectrum of products and processes

## Program Educational Objectives and Outcomes

Graduates of the MSESM program will be prepared to:

- utilize engineering system management tools and techniques to design and implement economically and technically sound solutions to real-world problems
- lead the change management process to meet organizational goals and objectives
- communicate effectively in a multidisciplinary team work environment
- act professionally and ethically in the practice of engineering systems management
- engage in lifelong learning and carry out independent research in ESM fields

Upon graduation, an AUS MSESM graduate should demonstrate the ability to:

- apply the techniques, tools and skills of engineering systems management to address real-world problems
- conduct economic and financial analysis of projects and engineering operations
- function as effective members of multidisciplinary teams and communicate effectively in both written and verbal forms
- recognize professional and ethical responsibilities and act accordingly within a global and social context
- engage in theoretical and applied research projects

## Why Choose the Program?

The global economy and rapid changes in technology require an increasing number of engineers with technical expertise and modern management skills. Today's engineers are routinely confronted with broader job responsibilities, often involving organizational and managerial talents that must be integrated with technical skills. The AUS MSES M Program is designed to achieve such integration. It integrates the technical aspects of engineering with financial, legal and administrative skills of business and management.

The competitive nature of industry in the UAE and the Gulf region requires engineers with technical and managerial skills. Identifying, evaluating, implementing and managing the most appropriate information sources, technologies and systems demand a well-developed level of team-building, problem-solving and economic skills.

The AUS MSES M Program is the right choice for those whose goal is to work in the areas of engineering management and systems engineering. The ESM curriculum is designed to enhance the management and technical skills of all engineers, regardless of their discipline, to meet today's demands as well as those of the future.

AUS has excellent facilities and library resources. The College of Engineering has a wide range of advanced laboratories and software tools that foster advanced research activities.

Teaching and research assistantships, which include stipends and tuition waivers, are available on competitive bases.

In addition to working in industry, graduates of the MSES M program have been admitted to universities in the USA, Canada, UK, Australia and elsewhere to pursue their PhD degrees.

## Admission Requirements

AUS strives to attract students with excellent qualifications in order to maintain the world-class quality of its programs. In addition to meeting the university's general graduate admission requirements, applicants must hold a bachelor of science degree in engineering from an independently accredited university recognized by the UAE Ministry of Education's Higher Education Affairs Division and by AUS. Applicants with non-engineering degrees may be considered for conditional admission on a case-by-case basis. Preference will be given to applicants with relevant work experience.

## Degree Requirements

The AUS MSES M program consists of 36 credit hours comprising core and theme courses with a thesis, professional project or courses option. The sequence of courses comprises 15 to 18 credits of core courses, 15 to 18 credits of theme courses, and a 6-credit research thesis or professional project for the thesis/project option.

## What Students Say

*We manage life by decisions that we make; some we regret and some we appreciate. Joining the MSES M Program is a decision I will never regret. It has added excellent managerial tools to my bag of engineering tools.*

Esam A. Almula, First AUS ESM graduate

*The ESM program is what the region needs at this point in time. The market needs more technical managers to cope with massive projects in the Gulf. I feel that I gained a massive amount of knowledge that has helped me develop my skills as a manager and engineer. I recommend the program to those engineers who want to expand their careers and get the better of the two worlds: being an engineer and a manager at the same time.*

Ahmed Bin Adi, ESM graduate

*Choosing AUS to continue my graduate study was the best decision I ever made. It was a fundamental turning point in my life. The ESM program improved my technical skills and enhanced my knowledge in managerial skills to understand better the working environment. It opens for me broad prospects in the construction and management field.*

Nadine Dannan, ESM graduate



# Master of Science in Mechanical Engineering (MSME)

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[www.aus.edu/cen/msme](http://www.aus.edu/cen/msme)

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Mechanical engineering has several subdisciplinary areas. The AUS MSME Program provides its graduates with advanced knowledge and skills that enable them to focus on a particular area of expertise that addresses the evolving needs of industry and society. The lower level graduate courses broaden students' knowledge in the respective subjects. The higher level courses challenge students and enhance their skills in critical thinking, problem solving and research. Students are prepared to assume a leadership role in technology transfer and research and development in their field of study.

The Master of Science in Mechanical Engineering Program emphasizes basic and applied research in emerging areas of mechanical engineering, which include renewable energy sources and efficient energy utilization, computational fluid dynamics and heat transfer, turbomachinery, robotics and autonomous systems, estimation and sensor fusion, modeling, simulation and control of mechanical systems, MEMS/NEMS, advanced materials and quality technology, and system design optimization. Several of these areas are funded by local industry.

## Program Educational Objectives and Outcomes

Graduates of the MSME program will be prepared to:

- be successful professionals in a specialized area of mechanical engineering
- maintain a desire for research, innovation and lifelong learning
- uphold the responsibilities of the engineering profession

Upon graduation, an AUS MSME graduate should demonstrate the ability to:

- perform research emphasizing creativity, independent learning and scientific methods in a chosen area of mechanical engineering
- apply advanced mathematics and engineering knowledge in identifying, formulating and solving engineering problems
- select and use techniques, skills and modern tools necessary for research or professional practice
- communicate effectively
- recognize the need for, and engage in, lifelong learning
- attend to professional and ethical responsibilities

## Why Choose the Program?

The challenges faced by the global industry in general and in the UAE and the Gulf region in particular require engineers with high technical skills in identifying, analyzing, evaluating, designing and managing mechanical engineering projects. The global economy and rapid changes in technology require an increasing number of engineers with technical expertise beyond the bachelor's degree level.

The AUS MSME Program is offered to:

- support local and regional industry needs by graduating qualified mechanical engineers who are prepared to solve problems and carry out research and development projects
- allow for appropriate technology transfer and development that will help enhance the regional industrial base
- present an efficient and formal mechanism to link local and regional industry with the College of Engineering faculty and students to tackle mission-driven and applied research
- provide an alternative to graduate education abroad for qualified students of the region

The AUS MSME faculty members have a wealth of industrial and academic experience. All faculty members received their degrees from reputable universities. Many of them have worked in leading international companies related to mechanical engineering. All MSME faculty members are active in research and have also carried out consultation activities for industry both regionally and globally.

AUS has excellent facilities and library resources. The College of Engineering has a wide range of advanced laboratories and software tools that foster advanced research activities.

Teaching and research assistantships, which include stipends and tuition waivers, are available on competitive bases.

In addition to working in industry, graduates of the MSME program have been admitted to universities in the USA and Canada to pursue their PhD degrees.

## Admission Requirements

AUS strives to attract students with excellent qualifications in order to maintain the world-class quality of its programs. In addition to meeting the university's general requirements for graduate admissions, for admission to the AUS MSME Program, an applicant must have a Bachelor of Science in Mechanical Engineering from an independently accredited university recognized by AUS. Degreed individuals in other engineering fields or a quantitative science field that is closely related to the sought program field may be considered on a case-by-case basis.

## Degree Requirements

The AUS MSME Program consists of 30 credit hours comprising college and program courses with a thesis or a project option. The sequence of courses comprises 3 credits of college core courses, 18 to 24 credits of program courses, a seminar, and a 3-credit project or a 9-credit research thesis.

## What Students Say

*While working on research, you get very constructive feedback from the professors. Moreover, the courses are interesting and prepare you for the future. In addition, the facilities provided by the department are extremely helpful for research and studies.*

Tahir Abdul Hussain Ratlamwala, MSME graduate

*The MSME program at AUS has a variety of areas that one could focus on. It ranges from manufacturing processes to thermofluids to fluid dynamics. I am planning to continue my thesis in fluid dynamics, and the new wind tunnel will be very beneficial for my thesis development. The program has also increased my knowledge and ability to solve real-life problems at work.*

Walid Mazyan, MSME graduate, Petrofac LTD INTL

# Master of Science in Mechatronics Engineering (MSMTR)

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[www.aus.edu/cen/msmtr](http://www.aus.edu/cen/msmtr)

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The objective of the Master of Science in Mechatronics Engineering Program is to provide a comprehensive program of study and practical opportunities at an advanced level to working engineers and fresh graduates. Graduates of the AUS MSMTR Program acquire the skills necessary to deal with state-of-the-art technology for designing, maintaining, selecting and procuring modern engineering systems, which are of prime importance for local and regional industrial development.

Mechatronics is a systems approach for solving engineering design problems that integrates the fields of electrical, mechanical and computer engineering, and computer science. Graduates of the MSMTR Program are capable of working with integrated systems from design, operation, troubleshooting and diagnostic perspectives. They are prepared to lead technology transfer and industry modernization, and to be better decision makers when selecting, procuring or commissioning engineering systems. Graduates of the MSMTR Program are also capable of working in multidisciplinary teams and are prepared to be technical team leaders. They are committed to lifelong learning emphasizing optimal technical solutions using state-of-the-art technology while taking into account socioeconomic and environmental concerns.

In addition, the Master of Science in Mechatronics Engineering provides students with broad knowledge and skills in their areas of specialization with emphasis on new and emerging technologies to meet the growing demands of globalization.

## Program Educational Objectives and Outcomes

Graduates of the MSMTR program will be prepared to:

- apply the latest techniques in precision mechanical engineering, control theory, computer engineering and science, and electronics to design more functional, adaptable and cost-effective products
- provide employers with interdisciplinary skills necessary to utilize cutting-edge technology tools in the design, development and implementation of modern engineering systems
- understand and develop technologies such as information technology, embedded systems, modeling and simulation, and precision engineering systems in the design and development of smart products
- apply mechatronics principles in the broad context of engineering system design
- address open-ended problems and maintain an attitude of self-learning

Upon graduation, an AUS MSMTR graduate should demonstrate the ability to:

- apply advanced engineering tools necessary to identify, model and analyze mechatronics engineering problems
- formulate and propose alternative solutions that satisfy specific performance requirements of a mechatronics system
- design and implement a mechatronics component, process or system and assess its performance
- function effectively in multidisciplinary teams in a leadership role or as an active member
- act professionally and ethically
- recognize contemporary issues and their influence on technology advancement in a global and societal context
- engage in lifelong learning in engineering and related professional areas
- conduct research and development activities in mechatronics and related areas
- communicate effectively through technical presentations and documentations

## Why Choose the Program?

Mechatronics has been identified as a leading emerging technology that will change the world. Trends in modern products include the combination of mechanics, electronics, optics and digital signal processing as well as miniaturization of components and prefabricated parts. Other emerging technologies such as micro-mechanics, nanomechanics, wireless and smart sensor networks, and data interchange are also subareas of mechatronics. Because technology will renew with increasing speed in the future, the study of mechatronics provides a sound education in natural sciences and technology that helps secure a student's position in the future world.

The mechatronics program at AUS has an integrated approach to product design, problem solving, teamwork and project activities that makes its graduates important to employers and to business customers. At AUS, graduate students enjoy course offerings, laboratory experiences and project opportunities designed and taught by full-time faculty members who have been educated at some of the world's top universities.

Graduates from electrical/electronics, mechanical or computer/software engineering or a physical science discipline can use the AUS MSMTR Program to help integrate their subject knowledge to develop an interdisciplinary approach to problem solving and engineering product development. In addition to working in industry, graduates of the MSMTR program have been admitted to universities in the USA and Canada to pursue PhD degrees.

Teaching and research assistantships, which include stipends and tuition waivers, are available on competitive bases.

## Key Program Features

- Independent research study under faculty supervision
- well-equipped mechatronics center providing excellent work environment
- excellent networking opportunities with leading industries in the region and top academic institutions worldwide
- high-profile faculty members with vast industrial and academic experience in leading North American institutions

## Admission Requirements

AUS strives to attract students with excellent qualifications in order to maintain the world-class quality of its programs. In addition to meeting the university's general requirements for graduate admissions, an applicant for the AUS MSMTR program must have a bachelor of science degree in engineering from an independently accredited university recognized by AUS. Degreed individuals in fields closely related to engineering or quantitative science may be considered on a case-by-case basis.

## Degree Requirements

The AUS MSMTR Program consists of 30 credit hours comprising core and elective courses with a thesis or courses option. The sequence of courses comprises a 3-credit discipline-bridging course, 15 credits of core courses, 6 to 15 credits of elective courses, a seminar and a 9-credit research thesis for the thesis option.

## Facilities

The Mechatronics Research Lab houses advanced equipment and software including an open-architecture autonomous ground robot with built-in sensors and a vision system, an indoor rotary wing platform, a portable vibration measurement system, an active suspension system, and several UAVs and mobile robots.

## What Students Say

*Combining theory with hands-on experience is the backbone of the mechatronics at AUS. The level of research places the program among the top engineering master's programs in the region. My experience as a graduate teaching assistant in the program gave me the opportunity to go through the education cycle from both ends, as a student as well as an instructor.*

Ahmad Al Nabulsi, MSMTR graduate  
Lab Instructor, Khalifa University of Science, Technology and Research

*The experience I gained during my graduate studies at AUS helped me in achieving my goal of being a researcher in one of the top North American universities. The state-of-the-art lab equipment along with the knowledge, experience and support of the faculty members are highly beneficial for any graduate student to discover his/her true research abilities and enthusiasms. I deeply recommend this program for any student who wants to get both the experimental and theoretical aspects of mechatronics engineering.*

Omid Mohareri, Simon Fraser University, BC, Canada





SBA

# School of Business Administration

## Master of Business Administration (MBA)

[www.aus.edu/sba/mba](http://www.aus.edu/sba/mba)

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The Master of Business Administration (MBA) program prepares students for leadership positions in the private and public sectors. The MBA is designed to help managers in the MENA region think and act globally by integrating the latest business knowledge into problem solving. The program provides advanced management education in an environment that encourages students to extend their leadership capabilities.

Our high-quality curriculum, taught in the evening, carries a total of 33 credits and includes three kinds of courses. Three pre-MBA courses cover basic skills for students who are new to business or who need a review before moving into advanced topics. The number of pre-MBA courses waived depends on previous education and experience. Ten core courses cover the principles of analysis and leadership skills expected of an executive manager. Finally, two elective courses are required for a general MBA while a total of three electives are required for a concentration in either finance or human resource management.

### Program Goals and Objectives

AUS MBA graduates are expected to achieve the following objectives:

- **Proficiency in the core business knowledge required of an executive manager.** Participants will appropriately apply principles of economics, financial analysis, information and operations management, and marketing to the diagnosis of complex business problems.
- **Understanding of the interrelation between business organizations and other social institutions.** Participants will use principles of ethics and social responsibility to understand the management of relationships between a business enterprise and its key internal and external stakeholders.
- **Teamwork, interpersonal communication and leadership skills expected of an executive manager.** Participants will demonstrate graduate-level competence in team interaction, effective writing and presentation skills and leadership.
- **Application of critical thinking, analysis and problem solving to crucial business decisions.** Participants will apply a variety of techniques to analyze problems critically, to develop, evaluate and select from alternative courses of action, then implement decisions effectively in the organizational context.

### Why Choose the AUS MBA?

The AUS Master of Business Administration (MBA) program is like no other MBA in the region. This is how the AUS MBA is different:

- **Best in the Gulf.** The AUS MBA was recently ranked by *Forbes Middle East* as the best MBA program in the Gulf region and second best in the MENA region, and by the QS Global 200 Business Report as best in the Middle East and third best in the Middle East and Africa.
- **Professors who live and work here.** With over 80 full-time, resident faculty members from 28 different countries you will receive personal attention from professors who both live and work in the Gulf region and understand the global business arena.
- **The AUS MBA is flexible.** Classes are offered in the evening and may be taken on a part-time or full-time basis, allowing you to fit your studies into your busy life.
- **General MBA or two concentrations.** Participants can choose a generalist MBA or select a concentration in either finance or human resource management.
- **Study abroad.** You have the option to study abroad at one of our partner institutions including the Kedge Business School in France, Maastricht University in the Netherlands, and ISEP partner ([www.isep.org](http://www.isep.org)) institutions.
- **Powerful alumni network.** More than 10,000 AUS alumni hold leading positions in local, multinational and governmental organizations. Many alumni participate in the campus clubs, associations, and career and coaching events.
- **Excellent job placement and career development services.** Our MBA students are encouraged to use all the services of our job placement center, which regularly organizes events or coaching sessions on CV and cover letter writing, behavioral assessments, interviewing skills, job searches, career planning and recruitment strategies.

Dr. Jörg Bley  
Dean

Dr. Mohsen Saad  
Associate Dean of SBA

- **Assistantships and work/study opportunities.** Investing in graduate study can require a significant investment. We offer assistantships and work/study options on a competitive basis.
- **Reputation for excellence and innovation.** AUS is consciously based upon American institutions of higher education and thoroughly grounded in Arab culture. Your employer will quickly see your ability to apply new thinking to the old business problems and see new opportunities in world markets.
- **A place to call home.** The AUS campus is a traditional university campus comprised of a vibrant community of students from 90 nationalities located only 20 minutes from Dubai, one of the world's most cosmopolitan cities.

## Admission Requirements

Admission to the MBA program is competitive. In addition to meeting the university's general graduate admission requirements, applicants are required to take the MBA Admissions Test. This exam is administered through the AUS Test and Professional Development Center. The score on this exam is then considered with the student's work experience and the undergraduate grade point average, particularly for the last two years of study. These results are used to assist the SBA Graduate Committee in determining the admission status of an applicant. Students unable to travel to Sharjah prior to enrollment may submit a score of 500 or more on the Graduate Management Admission Test (GMAT), taken within the last five years.

Those who lack the requisite undergraduate training in business, who need a refresher in economics, probability and statistics or financial accounting, or who are admitted on a conditional basis, may be required to complete either all or part of the pre-MBA program (comprising 1.5 credit courses in economics, quantitative methods and financial accounting) with a minimum cumulative GPA of 3.00 prior to matriculating in the MBA program.

## Degree Requirements

The MBA core comprises 33 credits. Students must complete 27 credits in 10 required core courses and 6 credits in elective courses. Students choosing either the finance or the human resource management concentration will be required to complete a total of 27 core credits in addition to 9 elective credits with each elective course taken in the area of concentration.

It is estimated that the program can be completed in 15-18 months by students not in need of the pre-MBA program and in 24 months by those in need of the pre-MBA program.

## What Students Say

*A student body with diverse academic and professional background, holding degrees from institutions throughout the world, adds to the quality of the MBA experience at AUS. The small class size and evening class schedules allow students to comfortably interact with other students from different geographical regions, professions and industries thereby promoting a new perspective on the most current regional and international business trends.*

AUS MBA Students

*I chose the MBA at AUS, despite the distance, because of its accreditation and reputation. I never looked back. Simply put, AUS takes you through the famous four learning phases. By the time you go into your core courses...you are conscious of your competence, which is where I think the greatest value is in terms of building your career esteem and accelerating your development. You are a better professional for yourself, your company and the world at large.*

Ghandi Gharaibeh, Director of Marketing, GlaxoSmithKline Gulf and Near East







# Master of Science in Accounting (MSA)

[www.aus.edu/sba/msa](http://www.aus.edu/sba/msa)

Dr. Taisier Zoubi, Head of Department

Nisha Gopalakrishnan, Academic Programs Coordinator

Tel +971 6 515 4607 | Fax +971 6 515 4065 | [msa@aus.edu](mailto:msa@aus.edu)

The Master of Science in Accounting (MSA) program provides students with knowledge and preparation to pursue professional careers in public and private accounting; develop skills necessary to solve accounting problems that are of contemporary relevance and more challenging in the fields of accounting, finance and other business areas; and teach the required technical and nontechnical accounting competencies. Although pre-class readings and in-class lectures remain essential for presenting key accounting theories and concepts, the reinforcement and assessment methods are oriented toward experiential exercises that require the students to apply the material to real-life cases. Thus, the program makes extensive use of case studies, individual and team projects and other “real-world” opportunities to use the material covered.

The MSA program creates additional employment opportunities and promotes the career success of our graduates. Career options for graduates will include positions in public accounting such as auditors, controllers, financial analysts and management consultants.

This program allows students to meet the current 150-semester-hour education requirement to take the Certified Public Accountant (CPA) Examination in most US states. The objective of the MSA program is to give our students an edge in passing the CPA exam and to prepare them for careers in professional accountancy. Courses in the MSA program will strengthen students' competencies in business in general and accounting in particular. This knowledge is needed to achieve professional certifications such as CPA, CMA and CIA—qualifications expected of top professionals in the accounting field. The Big Four accounting firms in the region and other top employers will hire graduates from the MSA program particularly because of its solid auditing/assurance component.

## Program Goals and Objectives

MSA graduates are expected to achieve the following goals:

- **Provide accounting students with the additional knowledge and preparation required to pursue careers in private and public accounting.**  
Students will be able to demonstrate advanced knowledge of financial statements, regulations, auditing standards and procedures, standards of ethical conduct and their applications.
- **Provide accounting students with the necessary additional knowledge and preparation required to pass the CPA exam.**  
Students will gain knowledge to assess the financial, ethical and social implications of selecting various accounting policies to support decisions made by internal and external users of accounting information.
- **Provide the skills necessary to solve challenging accounting problems that are of contemporary relevance in finance and other business areas.**  
Students will be able to integrate accounting skills and knowledge to resolve current complex accounting issues.
- **Develop accounting skills and knowledge to facilitate career advancement in business or pursuit of further advanced study in accounting.**  
Students will be able to apply judgment in selecting financial reporting standards to a set of financial statements.
- **Provide students with professional sophistication to manage business complexities using professional leadership and critical-thinking skills.**  
Students will develop skills to apply appropriate professional skepticism in evaluating financial assertions.
- **Provide accounting students with technical and non-technical accounting competencies.**  
Students will be able to explain effectively technical accounting concepts in written and oral form.

## Why Choose the AUS MSA?

Our Master of Science in Accounting (MSA) will help students meet the current 150-semester-hour education requirement to sit for the Certified Public Accountant (CPA) exam and to be licensed as a CPA in all of the US states and territories. Enrolling in the MSA program at AUS will increase significantly the likelihood of passing the exam.

Our faculty members are recruited internationally, with preference given to those who have trained in North America and who have significant teaching experience at universities that follow the American model of higher education. Many of our faculty members hold professional certifications and bring substantial industry experience to their teaching.

The MSA Program has a number of other distinctive features that give student professionals a competitive edge as well:

- Our MSA curriculum offers three specialization areas in accounting: Auditing, Taxation and Forensic Accounting.
- Many of our faculty members are licensed CPAs and are familiar with the content of the CPA exam and the procedures to register and qualify to be a licensed CPA.
- Evening courses allow the student to earn a master's degree without interrupting his or her career.
- Students set their own pace, selecting the number of courses to take each semester.
- Each student has access to state-of-the-art business tools through an exceptionally well-equipped campus and library.
- The university's iLearn system provides easy access to assignments from the comfort of home.
- Students benefit from extensive use of the Internet, interactive learning and project work to reinforce concepts.

## Admission Requirements

Admission to the MSA program is competitive. Regardless of undergraduate major, to be considered for admission, each applicant to the MSA program is expected to have achieved a minimum CGPA of 3.00, in addition to meeting the university's graduate admission requirements. For details, please refer to Admission to Graduate Studies/ General University Requirements for Graduate Admission section in the *Graduate Catalog*. Applicants granted conditional admissions are generally expected to participate in a face-to-face interview. Such applicants may also be required to meet additional specific requirements of the MSA program.

## Degree Requirements

The MSA degree is composed of 30 credits (10 courses). Students must complete 18 credits in six required core courses, 6 credits in accounting elective courses and 6 credits in MBA elective courses. Students can select one of three available (Auditing, Taxation or Forensic Accounting) specializations.

## What Students Say

*I was among the first batch of graduates from the AUS Master of Science in Accounting program in June 2015. Having graduated from AUS with a Bachelor of Science in Business Administration, Major in Accounting, I was apprehensive of the value that the master's program would add to my academic portfolio. I must say that with each course I took, that apprehension was replaced with confidence in both the professional and academic value that I was getting from the program. The program exposed me to aspects in accounting that were far more interesting than I could have imagined. It was challenging as much as it was rewarding. And now, I look back and know that I made the right choice.*

Noora Buali, MSA Graduate



# Apply

[www.aus.edu/apply](http://www.aus.edu/apply)



**Check deadline:**  
[www.aus.edu/graduate/deadlines](http://www.aus.edu/graduate/deadlines)



**Submit the required documents based on your selected program**



**Apply for assistantship**



**Check the Admission Type**



**Attest your documents**



**Equivalency (non-UAE)**



**Check your application status:**  
<https://banner.aus.edu>



**Need help? Contact us!**  
<https://infodesk.aus.edu>

# Graduate Admissions

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Students are admitted to all graduate programs at AUS through the Office of Enrollment Management.

For queries, log in to <https://infodesk.aus.edu>.

## Application Process

To apply to a graduate program at AUS applicants must:

- complete the Graduate Online Application (available at [www.aus.edu/apply](http://www.aus.edu/apply)) or complete the Application for Graduate Admission available from the Office of Enrollment Management/Graduate Admissions
- pay the application fee
- submit official university transcript(s) and official graduation certificate (see attestation requirements below)
- submit a score of 80 for Internet-based TOEFL; or a score of 550 for AUS Institutional Paper-based TOEFL; or a score of 6.5 for IELTS (Academic Version) to the Office of Enrollment Management/Graduate Admissions. TOEFL scores must be sent by ETS to the AUS Testing Center (code 0526). Applicants who do not have the required score at the time of submitting an application may be considered for conditional admission (please see page 6).
- Submit letters of recommendation as applicable. Refer to section “Letters of Recommendation” on page 41 for more details.
- meet all program-specific requirements as listed on the application form

Incomplete applications are not processed.

Upon receiving a complete application, the Office of Enrollment Management/Graduate Admissions determines if the applicant meets minimum university requirements. For those applicants who meet such requirements, graduate admission committees within each program review their applications and make recommendations for admission. Applicants must satisfy both general university requirements and program-specific admission criteria.

The Office of Enrollment Management/Graduate Admissions determines if the applicant meets the general university requirements for graduate admission. Recommendations for admission to a specific graduate degree program are made by the pertinent degree program’s graduate admission committee. The Office of Enrollment Management/Graduate Admissions will notify the applicant of the university’s final decision.

## Requirements for Graduates of UAE Universities

Applicants who graduate from universities located in the UAE must follow the regulations below regarding attestation of their documents.

- Graduates of AUS: Transcripts should be brought in an officially sealed envelope. If the envelope has been opened, the documents must be officially attested by the UAE Ministry of Education’s Higher Education Affairs Division. The original undergraduate diploma must be presented for verification.
- Graduates of UAE public universities: Official university transcripts should be submitted to AUS in officially stamped and sealed envelopes. The original undergraduate diploma must be presented for verification.
- Graduates of private UAE universities accredited by the Ministry of Education: Applicants must submit the official undergraduate diploma and university transcripts attested by the Ministry of Education’s Higher Education Affairs Division in the UAE.

## Requirements for Graduates of Universities outside the UAE

Applicants who earned their undergraduate degrees from universities outside the UAE:

- are required to submit official attested university transcript(s) and an official attested undergraduate diploma. The attestations must be done by the authorized educational authority/ministry in the country of graduation. In addition, the attested university transcript(s) and official attested undergraduate diploma should be certified by the Ministry of Foreign Affairs and the UAE Embassy in the country of graduation.
- must present certificate equivalency for their attested undergraduate diploma from the UAE Ministry of Education. Please read carefully the following information:
  1. The equivalency certification process is a process of the Ministry of Education’s Higher Education Division and, as such, is handled in its entirety by the Ministry. Applicants seeking this service should contact the Ministry at 800 51115 or visit <https://www.moe.gov.ae/En/EServices/ServiceCard/pages/UnivrsiyCertificateEquilization.aspx>.

## Application Deadlines

### Graduates of UAE Universities

Fall Semester 2017  
August 10, 2017

Spring Semester 2018  
January 4, 2018

Summer Term 2018  
May 13, 2018

### Graduates of Universities outside the UAE

Fall Semester 2017  
August 3, 2017

Spring Semester 2018  
December 28, 2017

Summer Term 2018  
May 13, 2018

2. Equivalency applications must be submitted to the UAE Ministry of Education's Higher Education Affairs Division in person. Applicants should be aware that the processing of these applications can take as long as a few months; applicants are therefore encouraged to visit the UAE and process their applications at least one month prior to the first day of class of their projected admission semester/term.
3. Applicants who have applied for a certificate of equivalency for their undergraduate diploma but who have not concluded the equivalency process by the first day of registration for their admission semester/term will be allowed to register for that semester/term provided that they sign the Graduate Admission Contract. Applicants choosing this option must present a copy of the MOE Application Receipt. Once the certificate of equivalency has been received, it must be submitted to the AUS Office of Enrollment Management/Graduate Admissions by the deadline specified on the Graduate Admission Contract.

## Exemptions for English Proficiency Tests

Applicants might be exempted from English proficiency tests (TOEFL/IELTS) if they:

- are native speakers of English who completed their undergraduate education in an English-medium institution and in a country where English is the official language
- hold undergraduate qualifications from selected English-medium institutions and can provide evidence of acquiring a minimum TOEFL score of 500 on the Paper-Based test, or a minimum IELTS (Academic) score of 5.0 overall, at the time of admission to the undergraduate programs

Decisions regarding exemptions are made by the Office of Enrollment Management/Graduate Admissions committee on case-by-case basis.

## General University Requirements for Admission

### Eligibility

To be considered for admission, all applicants must meet general university requirements for graduate admission. Some graduate programs have additional requirements. For program-specific requirements, applicants should refer to the table on page 41 and the relevant graduate program section of this prospectus.

**Important:** Please note that submitting an application, paying the application fee, receiving an ID number and submitting qualifications within the general admission guidelines do not in any way mean that an applicant is admitted to the university. Admission is offered in writing to qualified applicants only after an official evaluation of their credentials is performed by the Office of Enrollment Management and the specific program to which the applicant is applying.

## Categories of Admission

### Full Admission

For full admission to a graduate degree program at AUS, an applicant must meet the following requirements:

- hold a four-year bachelor's degree from an independently accredited university recognized by AUS (applicants with a bachelor's degree obtained outside the UAE must submit an equivalency of their degree from the UAE Ministry of Education's Higher Education Affairs Division.
- have attained a minimum cumulative grade point average (CGPA) of 3.0 (on a scale of 4.0) or its equivalent, and 3.0 or its equivalent in 300- and 400-level courses in discipline(s) relevant to the graduate program
- have attained a minimum Internet-based TOEFL score of 80 or IELTS score of 6.5 (Academic Version). Furthermore, the TESOL program also requires a TWE (Test of Written English) score of 5. Admitted students may sit for the TWE exam on campus before the registration of classes.

The individual graduate programs may require additional specific admissions requirements. For details, please refer to the relevant graduate program section of this prospectus.

### Conditional Admission

Conditional admission to a graduate program may be granted to applicants who meet the following requirements:

- hold a four-year bachelor's degree from an independently accredited university recognized by AUS
- have attained a minimum cumulative GPA of 2.50 (on a scale of 4.0) or its equivalent



Admitted international students who need visas for the UAE should complete the visa application form, which can be downloaded from the AUS website, at least two months prior to the first day of class. Approval of visa requests rests solely with the UAE Immigration Authority.

- have attained a minimum Internet-based TOEFL score of 71 or IELTS score of 6.0 (Academic Version). However, the TESOL program and the MBA program require a minimum Internet-based TOEFL score of 80 or IELTS score of 6.5 (Academic Version).

Conditional admission applicants may also be required to meet additional specific requirements for their requested program. Applicants should consult the relevant degree program section in this prospectus for more information.

To be accorded full admission into a graduate program, a conditional admission student must:

- achieve a cumulative GPA of at least 3.00 in their first two graduate-level courses (for a minimum of six credits). Courses must be completed over a maximum period of two consecutive semesters.
- achieve before the beginning of the second semester the required TOEFL score for full admission (Internet-Based TOEFL score of 80 or a score of 550 for AUS Institutional Paper-based TOEFL) or an IELTS score of 6.5 (Academic Version).

If either provision is not met, the student will not be allowed to continue his/her studies at AUS.

Important: Each graduate program may assign undergraduate prerequisite courses and/or specially tailored courses for conditional admission students. Credits from these courses do not satisfy credit requirements for completing the graduate degree and are not used to calculate the graduate cumulative GPA.

Conditionally admitted students are not eligible to register for more than two graduate courses (a maximum of six credits) in their first semester of study. However, some degree programs allow for completion of the six credits over the first two consecutive semesters, with the summer term considered as a semester.

### Mature Students Admission

AUS may offer admission to mature students who have earned a bachelor's degree five or more years prior from an independently accredited university recognized by AUS and have a demonstrated record of significant work experience during the period since graduation.

Mature admission may be granted to applicants who meet the following requirements:

- hold a four-year bachelor's degree from an independently accredited university recognized by AUS
- have attained a minimum cumulative GPA of 2.00 to 2.49 (on a scale of 4.0) or its equivalent
- meet English proficiency requirements of Conditional Admission.

Mature admission applicants may also be required to meet additional specific requirements for their requested program. Applicants should consult the relevant degree program section in this prospectus for more information.

To be accorded full admission into a graduate program, mature admission students must:

- achieve a cumulative GPA of at least 3.00 in their first three graduate-level courses (for a minimum of nine credits). Courses must be completed over a maximum period of two consecutive semesters.
- achieve, before the beginning of the second semester, the required TOEFL score for full admission (Internet-Based TOEFL score of 80 or a score of 550 for AUS Institutional Paper-based TOEFL) or an IELTS score of 6.5 (Academic Version).

Students who fail to meet these conditions will not be allowed to continue their studies at AUS. Mature students are normally not eligible to register for more than two graduate courses (a maximum of six credit hours) in their first semester of study. Students seeking admission as mature students must consult with the Office of Enrollment Management/ Graduate Admissions.

### Transient Students Admission

Transient student status covers those who have obtained their undergraduate or graduate degrees from AUS and have returned to take extra course(s) at AUS, and those who hold degrees from universities other than AUS and who want to take course(s) at AUS but not toward a degree.

Applicants seeking transient student status at AUS must submit to the Office of the Registrar the complete Transient Student Application available at [www.aus.edu/registration/forms](http://www.aus.edu/registration/forms). Transient students register for courses through the Office of the Registrar and may enroll in any university course for which they have the necessary academic background and qualifications. In courses with enrollment limits, priority is given to AUS students. Normally, a student can register as a transient student for no more than one academic year. Standard graduate tuition and fees apply. For further information, please contact the Office of the Registrar at [registration@aus.edu](mailto:registration@aus.edu).

## **Exchange Students and Visiting Students Admission**

An exchange student is one who is not formally admitted to American University of Sharjah but is allowed to take courses at the university in the context of a semester exchange program. A visiting student is one who is not formally admitted to American University of Sharjah but is allowed to take courses at AUS for transfer back to the student's home institution. Visiting students are not registered in the context of a semester exchange program between AUS and the student's university. Exchange students and visiting students should check with their home institutions about the transferability of AUS credits to their programs. Standard graduate tuition and fees apply.

To be admitted as an exchange graduate student or visiting graduate student, a student must be enrolled in a graduate program at an accredited institution and be in good academic standing in his/her current institution. In addition, students must have attained a minimum Internet-Based TOEFL score of 80 or a minimum IELTS (Academic Version) score of 6.5, or must have successfully completed the CEFR English C1 level. Exchange students coming from institutions located in an English-speaking country and where English is the language of instruction, or from institutions with a TOEFL/IELTS admission requirement higher than at AUS, are exempt from this requirement.

For further information, please contact the Office of International Exchange Programs at [ixo@aus.edu](mailto:ixo@aus.edu).

## **Non-degree Admissions**

Non-degree graduate students are those who wish to take AUS courses for academic credit but who do not seek a master's degree. Students are admitted to AUS with non-degree status if they meet requirements for full or conditional graduate admission. Applications should be submitted to the Office of Enrollment Management/Graduate Admissions. Standard graduate tuition rates apply.

## **Applicants for a Second Graduate Degree**

Holders of a master's degree awarded by AUS or another independently accredited university recognized by the UAE Ministry of Education's Higher Education Affairs Division and by AUS may apply for admission to an AUS graduate degree program. Applicants for a second graduate degree must apply through the Office of Enrollment Management/Graduate Admissions. A complete application, along with the official transcript of the previously earned graduate degree, must be submitted to the Office of Enrollment Management/Graduate Admissions.

## **Change of Status**

Students may request a change of status (from non-degree to degree status, or from visiting to degree status) by submitting a complete application through the Office of Enrollment Management /Graduate Admissions. Courses taken at AUS while under non-degree status can be used to satisfy registration and graduation requirements where applicable. Grades earned in courses that are accepted will count in the cumulative GPA (CGPA).

## **Transfer Applicants**

Transfer applicants may be granted full admission or conditional admission. Candidates transferring from independently accredited universities recognized by the UAE Ministry of Education's Higher Education Affairs Division and by AUS may be considered for transfer of credits. In addition to the complete graduate application, transfer applicants must submit official transcripts of their university studies along with the syllabi for and descriptions of courses they seek to transfer.

## **Transfer Credit Policy**

A graduate student may transfer up to nine graduate credits from recognized graduate schools at independently accredited universities recognized by the UAE Ministry of Education's Higher Education Affairs Division and by AUS. Applicants for transfer of credits must submit their official transcripts, syllabi and other material required by the program to the Office of Enrollment Management/Graduate Admissions by the application deadlines specified in this prospectus. Transfer credit evaluation must be requested by the applicant at the time of admission. Transcripts of transfer students will be evaluated only once.

Applicants with transcripts from two or more institutions of higher education are eligible for transfer evaluation of only the courses completed at the institutions meeting the AUS transfer admission requirements.

To be evaluated for transfer, the course work must have been taken for graduate credit and applied toward a graduate degree at the host institution. Only graduate-level courses completed with a grade of B or higher will be evaluated for transfer credit. Courses identified as equivalent in content and level to AUS courses will be transferred as the equivalent AUS course. Other appropriate graduate-level courses may be transferred as

electives. Courses completed more than five years from the start date of the first semester of study of the current graduate program at AUS are not transferable. Transfer credit will not be accepted for research and thesis hours, travel experience or work/life experience.

Courses related to areas taught within the School of Business Administration will be evaluated for transfer of credits only if completed within programs accredited by the Association to Advance Collegiate Schools of Business (AACSB International), the European Quality Improvement System (EQUIS) or from universities approved by the School of Business Administration.

Grades earned in transferred courses do not count in the student's cumulative GPA. Credit hours of transferred courses count in the cumulative earned hours and may apply towards meeting graduation requirements.

Decisions regarding the award of transfer credits are made by the appropriate academic division at AUS. The Office of the Registrar maintains and updates the transfer students' records.

## Letters of Recommendation

Applicants to any of the engineering graduate programs are required to present two recommendation forms/letters using the template at [www.aus.edu/graduate/rfcga](http://www.aus.edu/graduate/rfcga) along with the graduate application.

Please note that mature applicants and Engineering System Management applicants are required to submit only one letter of recommendation.

Similarly if you are applying for assistantship consideration, you are required to submit two recommendation forms/letters before the assistantship applications deadline listed at [www.aus.edu/graduate/deadlines](http://www.aus.edu/graduate/deadlines).

There are two sections on the recommendation form: one must be completed by the applicant and the other must be completed by the recommender/referee. Recommenders/referees are requested to return the form in a sealed envelope to the applicant, as it should be presented along with the Application for Graduate Admission to the AUS Office of Enrollment Management/Graduate Admissions.

Alternatively, the forms can be sent directly by recommenders from their official email accounts to [graduateadmission@aus.edu](mailto:graduateadmission@aus.edu). Recommendation letters received from non-official email accounts or from the student email accounts are not accepted.

## Deferring Enrollment

Admission is only valid for the semester for which a candidate has applied. If applicants do not enroll in the semester for which they have been admitted, they may request that their admission be deferred to the following semester. A Deferment Request Form must be submitted to the Office of Enrollment Management/Graduate Admissions.

## Program-Specific Requirements

	GMAT or AUS MBA Admission Test	EWET	Minimum English Proficiency Score Required with Application	English Proficiency Score To be submitted by end of first semester	Two Letters of Recommendation	Updated CV
Master of Business Administration	Required when applying	-	TOEFL (iTP): +550 TOEFL (iBT): 80 IELTS (Academic): 6.5	-	-	Required when applying
Master of Arts in Teaching English to Speakers of Other Languages	-	Required after admission	TOEFL (iTP): +550 TOEFL (iBT): 80 IELTS (Academic): 6.5	-	-	-
Master of Urban Planning	-	-	TOEFL (iTP): +530 TOEFL (iBT): 71 IELTS (Academic): 5.0	TOEFL (iTP): +550 TOEFL (iBT): 80 IELTS (Academic): 6.5	-	Required when applying
All Engineering Programs	-	-	TOEFL (iTP): +530 TOEFL (iBT): 71 IELTS (Academic): 5.0	TOEFL (iTP): +550 TOEFL (iBT): 80 IELTS (Academic): 6.5	Required when applying	-
All Other Programs	-	-	TOEFL (iTP): +530 TOEFL (iBT): 71 IELTS (Academic): 5.0	TOEFL (iTP): +550 TOEFL (iBT): 80 IELTS (Academic): 6.5	-	-

## Assistantship Application Deadlines

Fall Semester 2017  
July 17, 2017

Spring Semester 2018  
December 11, 2017

## Tuition and Fees

\*Tuition and fees are subject to change. Check the AUS website for updated information. Total number of credit hours may change depending on admission type.

Program	Tuition/ Hour (AED)	Total Courses	Credit Hours	Total Tuition Cost (AED)
<b>College of Architecture, Art and Design</b>				
Master of Urban Planning (MUP)	4,660	11	33	153,780
<b>College of Arts and Sciences</b>				
Master of Arts in Teaching English to Speakers of Other Languages (MA TESOL) or Master of Arts in Translation and Interpreting English/Arabic/English (MATI)	3,720	12	36	133,920
Master of Science in Mathematics	3,720	10	30	111,600
<b>College of Engineering</b>				
All master of science engineering programs except MSESME	4,660	10	30	139,800
Master of Science in Engineering Systems Management (MSESME)	4,660	12	36	167,760
<b>School of Business Administration</b>				
Master of Business Administration (general MBA)	4,660	11	33	153,780
MBA Concentration in Finance or in HR	4,660	14	42	195,720
Pre-MBA (MBAP) 8 weeks duration	4,660	3	4.5	20,970
Master of Science in Accounting (MSA)	4,660	10	30	139,800

Graduate Fees	AED
Application Fee	450
Late Registration Fee	500
Activity Fee	100
Internship Registration Fee	400
Late Payment Fee	500
Thesis Binding Fee	350

Health insurance is optional for graduate students. Visit [www.aus.edu/healthcenter](http://www.aus.edu/healthcenter) for information on health insurance plans.

## Paying for Graduate Study at AUS

Tuition fees are paid on a semester basis and are based on the number of credits a student is taking that semester. If the full fees cannot be paid immediately, installments can be arranged with the AUS Finance Department/Student Accounts. For method of payments, please visit [www.aus.edu/payment/methods](http://www.aus.edu/payment/methods).

AUS offers graduate students two types of on-campus employment: graduate assistantships and graduate work-study positions. Assistantships are available to qualified graduate students and are competitively awarded and merit based. A Graduate Research Assistantship offer students opportunities to develop research experience by working with a faculty member on research-related activities. A Graduate Teaching Assistantship gives students teaching-related experience through part-time employment in positions such as lab assistants. A variety of student work-study opportunities are available through specific departments, graduate programs and AUS internal research grants to faculty members. For more information on how to apply, please visit [www.aus.edu/info/200140/grants\\_and\\_scholarships/118/graduate](http://www.aus.edu/info/200140/grants_and_scholarships/118/graduate).





# Graduate Calendar 2017–2018

Dates are subject to change. Visit [www.aus.edu](http://www.aus.edu) to confirm.

Fall Semester 2017	
<b>July 17</b>	Assistantship applications deadline for Fall Semester 2017 for new students
<b>August 3</b>	Admission applications deadline for Fall Semester 2017 for applicants from outside UAE
<b>August 10</b>	Admission applications deadline for Fall Semester 2017 for applicants from inside UAE
<b>August 27</b>	First day of classes
<b>December 12</b>	Classes end
Spring Semester 2018	
<b>December 11, 2017</b>	Assistantships applicants deadline for Spring Semester 2018 for new students
<b>December 28, 2017</b>	Admission applications deadline for Spring Semester 2018 for applicants from outside UAE
<b>January 4</b>	Admission applicants deadline for Spring Semester 2018 for applicants from inside UAE
<b>January 21</b>	First day of classes
<b>May 7</b>	Classes end
Summer Term 2018	
<b>May 13</b>	Admission applications deadline for Summer Term 2018 for all applicants
<b>May 29</b>	First day of classes
<b>July 15</b>	Classes end

# Contact Directory

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Add 9716 before the number if calling from outside the UAE

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# Accreditation and Licensing

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The Bachelor of Architecture program of the College of Architecture, Art and Design is accredited by the National Architectural Accrediting Board (NAAB) of the United States, [www.naab.org](http://www.naab.org).

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