



UNIVERSITY
OF WOLLONGONG
IN DUBAI



Master of

Engineering Management

“
We are considered
a benchmark
for educational
establishments in the
region: dynamic, agile,
innovative and praised for
the quality of our teaching
and research ”

Prof Mohamed-Vall M. Salem Zein
President
University of Wollongong in Dubai

Dean's Message



Professor Khalid Hussain
Dean
Faculty of Engineering and
Information Sciences

A warm welcome to the Faculty of Engineering and Information Sciences!

Engineering and Information Sciences is about creating innovative and smart technologies or products that can make a difference in our everyday lives. This is why the world needs unique talents and skills. At UOWD we lead the way in graduating future generations of innovators and highly skilled engineers and computer scientists.

The Faculty of Engineering and Information Sciences trains hundreds of Engineers and IT specialists each year.

Our specialised labs for security engineering, game development, and databases not only provide support for our forward-thinking and skill based curricula but it provides a venue for students to conduct research and build their skills in an advanced professional environment.

UOW Australia is a member of the Group of Eight (Go8) Deans of Engineering and Associates, in recognition of it being among the top Australian engineering faculties. This achievement is a direct result of our world class reputation in teaching and research.

All our programs are skill based, practice-oriented and reflect the latest trends and technologies that meet the needs of the regional and global market, making our graduates highly competitive.

Our academics are top-of-their-class and representing several nationalities from around the globe, they have extensive teaching and industry experiences. They are active researchers and focussed on producing outstanding research with outcomes that will benefit the community on a regional and international level.

Our strong connections with the industry will provide you with additional opportunities to participate in real-life challenges, enabling you to step into the world with confidence.

Our aim is to provide you with a unique learning experience and to develop our future industry leaders.

I hope to personally welcome you at the Faculty in the near future!



About University of Wollongong in Dubai

The University of Wollongong in Dubai (UOWD) is one of the region's oldest, most prestigious and forward-thinking tertiary institutions. Our curriculum and teaching practices reflect those of UOW Australia, which consistently ranks among the top 2%* of universities worldwide, and are nationally and internationally recognised (*QS World University rankings 2019).

Our continuous efforts in providing an education of world-class standards, are evident in our longstanding ranking in graduate employability and also the reason why our graduates are highly sought-after by employers.

UOWD is truly a dynamic and diverse institution that offers a broad spectrum of programs in Business, Engineering, Information Sciences as well as Social Sciences and Education. Our aim is to develop graduates who are ethical, mobile, technologically literate and ready for multicultural workplaces. Our programs are relevant and industry related with a strong focus on encouraging creative and

critical thinking, problem-solving and the development of unique leadership skillsets.

UOWD's programs are aligned with national priorities yet tailored to meet the demands and needs of the global employment market. With the support of industry experts, it integrates real-world practices with theory ensuring our students are equipped to address complex business problems.

Our faculty consist of highly respected academics from across the globe who brings with them extensive teaching, research and industry experience. UOWD's faculty are active researchers and focussed on producing outstanding research with outcomes that will benefit the community on a regional and international level.

UOWD is located in the heart of Dubai, UAE's biggest and fastest growing business capital and studying at our University, will provide you with opportunities to broaden your international perspective and equip you with the skills to become global change-makers.

11,275

Total Degrees Awarded



3,400

Total Student Enrolments

108

Nationalities at UOWD



382

Number of Staff at UOWD

40

Degree Programs



Accreditation and Recognition

Our students and graduates can be assured that our degrees are recognised throughout the UAE and internationally. We are:

- Accredited by the UAE Ministry of Education – Higher Education Affairs through the Commission of Academic Accreditation (CAA).
- Quality assured by UOW Australia which is registered with TEQSA, the national regulator of higher education in Australia. Students can opt for a UOW Dubai or UOW Australia degree certificate upon graduation.

5 - 6
Semesters

6
Core Subjects

2
Electives

1
Capstone Project

Key Skills

- ★★★★★ Skills Development
- ★★★★★ Project Management
- ★★★★★ Technical Management
- ★★★★★ Creative Skills
- ★★★★★ Analytical Skills
- ★★★★★ Managing Teams
- ★★★★★ Decision Making
- ★★★★★ Strategic Judgements

Master of Engineering Management

Master of Engineering Management

The Master of Engineering Management (MEM) program is for engineering graduates who are looking to develop their skills and competencies to manage large-scale engineering challenges. Throughout the duration of the program you will:

- Acquire the skills to successfully integrate technical and project management skills while optimising the use of personnel, resources, equipment and information to deliver successful engineering projects.
- Learn how to develop and demonstrate creative, analytical and conceptual skills to analyse, diagnose and execute strategic judgements across all engineering functions.
- Learn how to manage teams effectively and to understand managers from other disciplines.
- Acquire the technical skills to support decision-making processes in complex business and industrial environments.

Industry Focussed

There is a rising demand across the MENA region and beyond for engineering professionals who can combine both technical and management expertise. UOWD's MEM program has been designed in collaboration with key industry stakeholders, meaning that graduates develop the leadership skills they need. The compulsory dissertation subject will also allow you to solve a specific practical engineering problem, giving you a real-world experience and the opportunity to develop and apply the skills you have learnt throughout your postgraduate degree.

Project Management Professional (PMP) Qualification

The Project Management Professional (PMP) is the most important industry-recognised certification for project management. By choosing to enrol for UOWD's MEM program and taking the Engineering Project Management core subject, you will be satisfying one of the key application criteria for the qualification as you are able to use this subject as evidence of your 35 hours of project management education.

About the Program

There are two entry levels to the Master of Engineering Management (MEM) program. If you have completed a three year undergraduate degree program or a four year program without a research component, you will enter the MEM program at the foundation level. You will need to complete two additional subjects, to be decided in consultation with the Faculty, prior to starting the main program. If you have completed a four year degree which included a research component, you will enter the main program directly and complete ten (10) subjects.

Program Structure

Level	Subject Name
Core Subjects	<ul style="list-style-type: none"> Managing People in Multinational Companies Innovation and Design Engineering Project Management Modelling of Engineering Management Systems Strategic Management for Engineers and Technologists Financial Management for Engineered Assets
Electives*	<ul style="list-style-type: none"> Special Topics in Engineering Management Engineering Logistics Project Implementation and Outsourcing Life Cycle and Risk Management Maintenance Requirement Analysis Systems Reliability Engineering Management of Change Organisational Analysis Cross-Cultural Management Marketing for Strategic Decisions Economics for Modern Business Quality in Management Implementing Quality Systems Management of Service Quality Logistics System Operations Management Procurement and Inventory Management Engineering Economics
Capstone Project	<ul style="list-style-type: none"> Dissertation** or Engineering Research Methods plus an additional approved elective

*Students are required to choose two electives from the approved list. Elective options are subject to availability.

**Equivalent to two subjects.

Duration of the Program

The program will normally take you five or six semesters to complete (based on three semesters per year with summer as an optional semester and two subjects per semester). At this rate, the degree can be completed in two years or less. Classes are held from 6:00pm - 9:30pm, Sunday to Thursday, with occasional Saturday classes. Each subject requires one evening of attendance for 13 weeks.

Admissions Requirements

Applicants must have completed a Bachelor degree in Engineering (or equivalent) at an accredited institution of higher education and have achieved the minimum grades for entry to the program. All instruction at UOWD is carried out in English and you will need to demonstrate an adequate level of English language proficiency in order to enrol. Please check uowdubai.ac.ae/postgraduate-programs/admission-requirements for complete admission requirements.

Program Fees

The total cost for the MEM program is calculated on a per subject basis. Please check uowdubai.ac.ae/postgraduate-programs/fees-and-payment-information for a breakdown of fees and further details.

Program Leader



Dr Mama Chacha

Associate Professor

PhD, Université Aix-Marseille I, France

Career Opportunities

The need for engineering talent is apparent in the rapid increase in large-scale construction projects underway throughout the region. There is a strong demand for engineering professionals and a wealth of opportunities for those who combine both technical and managerial expertise. Students and graduates of the MEM typically work across a range of engineering disciplines in roles such as:

- ✓ Engineering Managers
- ✓ Senior Engineers
- ✓ Plant Managers
- ✓ Engineering Supervisors
- ✓ System Engineers
- ✓ Project Managers
- ✓ Lead Field Engineers
- ✓ Process Engineers



I really enjoyed the innovation course which encourages you to open your mind and to think out-of-the box as well as the simulation course which was extremely beneficial for my work. Using the ANOVA test helped me detect patterns of some issues at work which increased the work efficiency. Currently I am looking for an alternative career in the educational industry which will allow me to transfer my five years of experience at Dubai Aluminum (DUBAL) as Process Engineer in Fume Treatment Plants, enabling me to share my knowledge in a scientific approach with future generations.



Budoor Jassim Ali

MEM Graduate

(Top Emirati Graduate)



Scholarships and Grants

UOWD provides a range of scholarships which offer financial support to new and existing students at the commencement of each semester (unless otherwise stated). Whilst it does not cover living and other study-related expenses, it reduces the financial pressure ensuring you enjoy a less stressful student experience.

Tuition Grants

UOWD offers a number of grants that provide discounted rates on program fees ranging from 5% to 20% of annual tuition costs*. Available tuition grants are:

- **Family Tuition Grants**

Immediate family members enrolling simultaneously at UOWD are eligible for tuition fee grants*.

- **Alumni Tuition Grants**

New or returning students may qualify for one of the following Alumni Tuition Grants. **The Alumni Grant** will be awarded to students who have graduated from a UOWD undergraduate or postgraduate degree program and wish to enrol in a subsequent degree program at UOWD**.

The Family of Alumni Tuition Grant is available on annual tuition fees for students who have at least one family member who has graduated from a degree program (undergraduate or postgraduate) from UOWD only. The Family of Alumni grant is available at the start of every semester and students must apply for the grant when they submit their Application for Admission form.

Scholarships

- **Academic Merit Scholarship**

This scholarship is awarded to applicants based on academic merit and who comply with the necessary requirements. It offers the recipients with a bursary ranging from 15% to 25% of their tuition fees for the duration of their studies*.

- **Sports Scholarships - Adam Gilchrist Sports Award**

This award, named after Australian cricketer and UOW Brand Ambassador, Mr Adam Gilchrist AM, is awarded to two recipients at either undergraduate or postgraduate level, in the Autumn semester (which begins in September). It offers the recipients a bursary of 50% of their tuition fees for the duration of their studies*. Read more here: uowdubai.ac.ae/postgraduate-programs/scholarships

*T&C's apply

** Not applicable to UOW Australia graduates

Step-by-Step Application Process

1

Submit your completed application form online or in person

- Official academic transcripts of your Bachelor degree
- Bachelor degree certificate of completion
- Proof of your English language proficiency
- A copy of your UAE ID card (if applying from within the UAE)
- A copy of your passport (and Residence Visa, if resident of the UAE).

Additionally, if you are seeking advanced standing in your chosen program please submit to the University the below:

- Certified copies of official academic transcripts showing all courses studied and grades obtained, syllabus details of the courses you successfully completed (including information on course content) and an explanation of the grading system.

2

UOWD will notify you of the outcome of your application within two (2) working days

3

Clear your conditions as stipulated in your offer letter (if any)

4

Return your acceptance agreement and pay your tuition fee

- Return the formal acceptance of the offer (Refer to Attachment 'A' or 'B' of your offer letter)

5

Attend enrolment & orientation day

6

Commence your studies!