

AMERICAN UNIVERSITY
OF RAS AL KHAIMAH

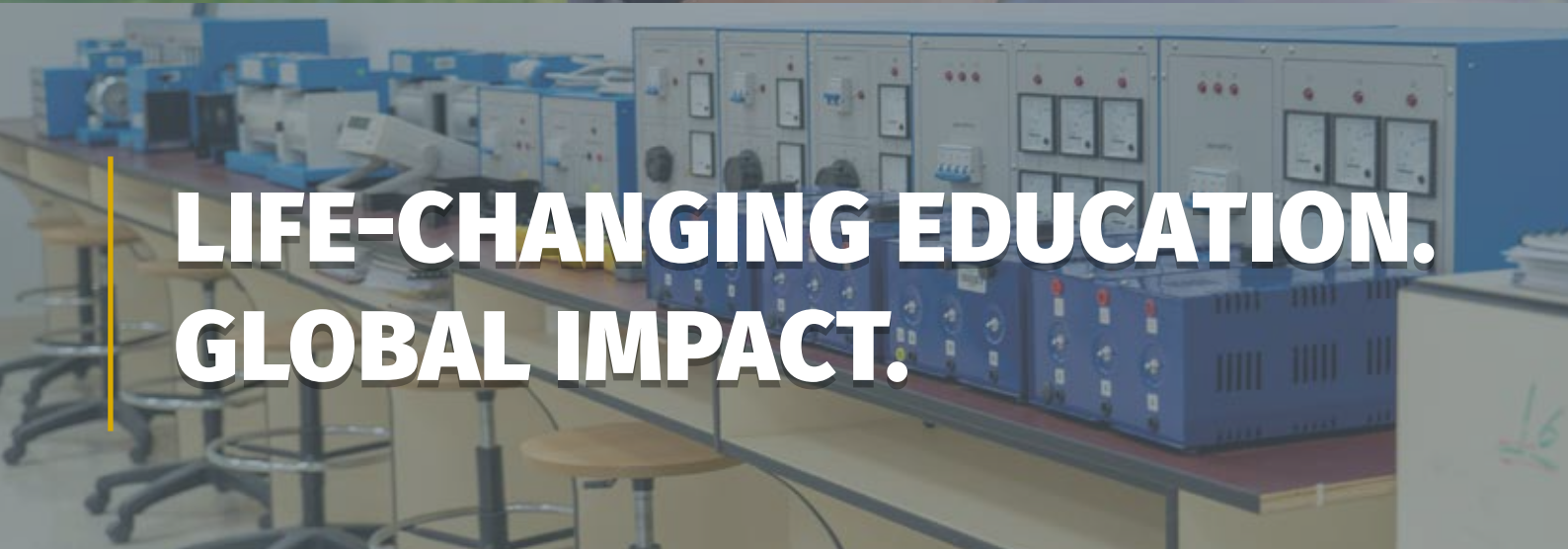


الجامعة الأمريكية
في رأس الخيمة

REIMAGINE THE FUTURE of Engineering



SCHOOL OF ENGINEERING & COMPUTING
GRADUATE PROGRAMS 2026-2027



**LIFE-CHANGING EDUCATION.
GLOBAL IMPACT.**





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Dean's Message



Prof. Hamed Assaf

Dean - School of Engineering and Computing

It is my pleasure to welcome you to the School of Engineering and Computing (SoEC) at the American University of Ras Al Khaimah.

The SoEC offers a wide spectrum of engineering and computing programs, giving students the opportunity to explore diverse courses and engage in multidisciplinary design and research projects. Our low student-to-faculty ratio fosters an environment where students benefit from close peer interaction and strong faculty mentoring.

We are also proud of our state-of-the-art facilities, including the new Engineering Lab Building, which houses most of our laboratories and provides access to advanced tools and technologies that enrich both learning and research. In addition, the School hosts the Advanced Technology and Artificial Intelligence Center (ATAI), a hub for cutting-edge research that advances innovation in AI and emerging technologies, positioning AURAK as a regional leader in this field while providing opportunities for student involvement.

Education at SoEC extends beyond the classroom. Our students are active in professional societies, student clubs, and industry events, gaining valuable exposure and leadership skills. They have participated in numerous national and international competitions,

including the Solar Decathlon Middle East, Hackathons, and the Think Science Competition.

The School is also deeply committed to collaboration with industry. Through joint research projects, co-supervised senior design projects, and internship opportunities, we ensure that our students graduate with the practical skills and professional connections to succeed in their careers.

We highly value quality in all we do. All our programs are accredited by the Commission for Academic Accreditation (CAA), with all eligible programs also accredited by the Accreditation Board for Engineering and Technology (ABET), and our Architecture program has gained candidacy status with the National Architectural Accrediting Board (NAAB). Our distinguished faculty, holding doctoral degrees from leading universities worldwide, bring expertise and passion that drive our commitment to teaching, research, and innovation.

At SoEC, we are dedicated to equipping students with the knowledge, skills, and values needed to thrive in an interconnected and technology-driven world. I invite you to explore our programs and become part of our community of innovation and excellence.



About AURAK

The beautiful Emirate of Ras Al Khaimah is not only known for its impressive archaeological heritage, rich cultural history, striking mountains, coastal beaches and mangroves, but also for setting the scene for an outstanding educational environment.

The American University of Ras Al Khaimah (AURAK) is a public, non-profit, independent, coeducation institution of higher education. With an appealing 1.3 million square foot campus, AURAK delivers integrated American-style, undergraduate and graduate programs with a strong focus on the local indigenous culture.

AURAK is officially licensed by the Ministry of Higher Education and Scientific Research of the United Arab Emirates to award qualifications in higher education.

AURAK has earned accreditation through the Commission for Academic Accreditation (CAA) of the UAE Ministry of Higher Education and Scientific Research for all degrees offered at the institution.

AURAK is internationally accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award bachelor's and master's degrees. Questions about the accreditation may be directed using the information on the SACSCOC website, www.sacscoc.org.

AURAK has also been awarded international accreditation by the Quality Assurance Agency (QAA), the UK's quality body for higher education. AURAK has achieved multiple program accreditations from prestigious institutions, demonstrating our unwavering dedication to delivering excellence in education. A significant number of our undergraduate engineering programs have received accreditation from the Accreditation Board for Engineering and Technology

(ABET), confirming their alignment with rigorous industry standards. The Bachelor of Science in Biotechnology, offered by the School of Arts and Sciences, holds accreditation from the Applied and Natural Science Accreditation Commission (ANSAC) of ABET.

Our School of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB) and a member of the Business Education Alliance. In addition, the BSBA major in Finance is affiliated with the CFA Institute while also holding exemption accreditation from ACCA for the Chartered Certified Accountant qualification, applicable to students in both the BSBA Major in Accounting and the BSBA Major in Finance.

Our strong partnership agreements with leading regional and international organizations enable our students and graduates to gain the necessary work experience, knowledge and tools to make meaningful contributions as professionals in their field on a global level.

Home to more than 60 nationalities, AURAK provides the opportunity to learn intercultural competencies, which lay the foundation for living and working in a diverse, interconnected world.

Attending AURAK will provide you with the academic skills and professional preparation necessary to succeed in your chosen profession. We also encourage you to cultivate new friends, attend university events, join clubs and organizations, and participate in athletic teams and in programs and activities designed for health and wellbeing.



AURAK at a Glance

Institutional Accreditations



School / Program Accreditations & Memberships



Applied and
Natural Science
Accreditation
Commission



Computing
Accreditation
Commission



Engineering
Accreditation
Commission



University Affiliation
Program



CFA Institute®



1,500+

Students Enrolled



2,250+

AURAK Alumni



23

Accredited Degrees



95+

Faculty



3

Academic Schools



18

Undergraduate
Programs



5

Graduate
Programs



1.3

Million Sq ft
Campus Size



50+

State-of-the-Art
Labs

RATED

OUTSTANDING



QS STAR RATING 2023





Why Study at the School of Engineering and Computing ?

Influenced by the exceptional skills, knowledge, and leading research of our internationally renowned academics, AURAK's School of Engineering and Computing programs are designed to meet industry needs.

Students studying at the School of Engineering can expect to receive excellent support services from the School and its faculty, the Student Affairs Office, and a variety of other University offices.



International Network of Partners

AURAK has strong connections with local and international corporate partners, ensuring that all our postgraduate programs are designed to meet the needs of the industry with curricula based on the latest best practice and research.

Our partners are also actively involved in public lectures, masterclasses and case studies for our students and alumni.



Highly Employable Graduates

AURAK is highly respected among its partners, and our relationship with leading employers ensures that the value of an AURAK degree is internationally recognized. The University is passionate about developing well-rounded, highly employable graduates who are ready to make a difference on a regional and global level.

We work with an outstanding network of pioneers in the world of engineering to shape a new generation of innovators and problem-solvers.



Nurturing Aspiring Engineers

Established under the School of Engineering and Computing, the Advanced Technology and Artificial Intelligence Center (ATAIC) aims to promote excellence in AI and ICT education and innovation, focusing on addressing national challenges in science and engineering. The center offers a range of activities, including research and development, business incubation, programming education for schools, and training programs. Equipped with state-of-the-art facilities, such as high-performance computing clusters, AI workstations, robotics kits, and IoT devices, ATAIC provides both students and faculty with the resources needed to engage in cutting-edge research and learning experiences.



School of Engineering



**Master of Science in Engineering
Project Management (MEPM)**



**Master of Science in Sustainable
and Renewable Energy (MSRE)**



Master of Science in Engineering Project Management (MEPM)

Program duration: 2 Years

Skilled project managers play a pivotal role in leading and managing engineering projects. They work closely with clients to design and develop a detailed plan for the project.

According to www.financesonline.com, experts predict that there will be continued demand for project management roles well beyond 2030 and that highly qualified project managers with the necessary hard and soft skills will have many employment opportunities.

AURAK's graduate program in Engineering Project Management teaches students the necessary processes and procedures to enhance their knowledge and capabilities in planning, delivery, control and hand-over of projects.

The program delivers exceptional technical and managerial skills in project management to produce successful project managers and innovative problem solvers.

Career Opportunities

Graduates of the MSc in Engineering Project Management program can expect to enter roles such as:



Project Planning Engineer



Civil Project Engineer



Engineering Manager



Construction Project Manager



Project Manager (various fields)

Program Structure: 2-Year-Plan (Track 1: Project Option)

First Year, First Semester

- Project Management and Scheduling (3 credit hours)
- Finance and Procurement management (3 credit hours)
- Risk Management for project Managers (3 credit hours)

First Year, Second Semester

- People and Organizational Change (3 credit hours)
- Green Project Management (3 credit hours)
- MEPM Elective (1) (3 credit hours)

Second Year, First Semester

- Field Application Project (3 credit hours)
- MEPM Elective (2) (3 credit hours)

Second Year, Second Semester

- MEPM Elective (3) (3 credit hours)
- MEPM Elective (4) (3 credit hours)

Program Structure: 2-Year-Plan (Track 2: Thesis Option)

First Year, First Semester

- Project Management and Scheduling (3 credit hours)
- Finance and Procurement management (3 credit hours)
- Risk Management for project Managers (3 credit hours)

First Year, Second Semester

- People and Organizational Change (3 credit hours)
- Green Project Management (3 credit hours)
- Research Methodology (3 credit hours)

Second Year, First Semester

- MEPM Elective (1) (3 credit hours)
- Thesis I (3 credit hours)

Second Year, Second Semester

- MEPM Elective (2) (3 credit hours)
- Thesis II (3 credit hours)



Master of Science in Sustainable and Renewable Energy (MSRE)

Program duration: 2 Years

By the year 2050, it is estimated that our global population will likely reach 9 billion people. The challenge of sustainable development is to move forward in such a way that every single one of these people will be able to enjoy a substantial quality of life without being detrimental to our natural resources.

Sustainability goals form an integral part of any company's strategy, and the demand for skilled sustainable and renewable energy engineers is rising.

AURAK's graduate program in Sustainable and Renewable Engineering is designed to equip students with the capabilities and expertise to develop smart grids and improve the efficiency and sustainability of energy production and distribution.

The program will enable graduates to design, manage and control complex energy-based projects while developing their managerial and leadership skills to prepare for more senior roles.

Career Opportunities

Graduates of the MSc in Sustainable and Renewable Energy program can expect to enter roles such as:



Energy Efficiency Manager



Solar Photovoltaic Expert



Wind Energy Professional



Energy Management Professional



Concentrated Solar Power Director

Program Structure: 2-Year-Plan (Track 1: Project Option)

First Year, First Semester

- Energy Conversion and Storage (3 credit hours)
- Energy Systems Modeling and Optimization (3 credit hours)
- Solar PV Systems (3 credit hours)

First Year, Second Semester

- Research Methodology (3 credit hours)
- Power Electronics for Renewables (3 credit hours)
- Elective (1) (3 credit hours)

Second Year, First Semester

- Elective (2) (3 credit hours)
- Elective (3) (3 credit hours)

Second Year, Second Semester

- Elective (4) (3 credit hours)
- Applied Project (3 credit hours)

Program Structure: 2-Year-Plan (Track 2: Thesis Option)

First Year, First Semester

- Energy Conversion and Storage (3 credit hours)
- Energy Systems Modeling and Optimization (3 credit hours)
- Solar PV Systems (3 credit hours)

First Year, Second Semester

- Research Methodology (3 credit hours)
- Power Electronics for Renewables (3 credit hours)
- Elective (1) (3 credit hours)

Second Year, First Semester

- Elective (2) (3 credit hours)
- Thesis I (3 credit hours)

Second Year, Second Semester

- Thesis II (6 credit hours)



Global Academic Partnerships & Student Exchange

Your future shouldn't be limited by borders.

At AURAK, global partnerships open doors to world-class learning, international experiences, and exciting career pathways across the USA, the U.K., Europe, the Netherlands, the Bahamas, and the world.

Through collaborations with leading universities and medical schools such as:

- Arizona State University (ASU)
- University of Ottawa
- University of Liverpool
- University of Leeds
- University of Bath
- Saba University School of Medicine
- Western Atlantic University School of Medicine (WAUSM)
- Medical University of the Americas (MUA)
- Appalachian State University
- Wayne State University
- University of Wyoming

AURAK students gain access to:

- Accelerated progression pathways
- Study abroad and student exchange opportunities
- International internships and top-tier technical and professional training programs
- Faculty exchanges enabling students to learn from leading global experts
- Scholarships, tuition discounts, and financial support opportunities
- Workshops, conferences, and global networking opportunities

From classrooms to campuses around the world, AURAK empowers students to broaden their horizons, experience new cultures, and build a truly global future.

Student Exchange

Participating in a student exchange program as part of your degree will enrich your global experience.

Studying abroad will:

- Expand your employment opportunities
- Enable you to make friends
- Enhance your personal and professional development
- Enable you to learn a new language
- Provide you with the opportunity to experience different culture

Contact our International Partnerships office for more information at oip@aurak.ac.ae





Academic Scholarships

For more information
about Scholarships



Scan the QR code

AURAK proudly provides merit scholarships to qualified full-time students of all nationalities. The academic merit scholarships aim to recognize high-achieving students and encourage qualified students from Ras Al Khaimah, the region and overseas to join its academic programs. The scholarships are available to all new students pursuing a master's degree.



Tuition Fees

For more information
about our Tuition Fees



Scan the QR code

Pursuing higher education is one of the most significant investments students will make. The American University of Ras Al Khaimah is a prestigious public, non-profit university that provides high-quality, affordable education through moderate tuition fees and academic scholarships. It supports students in continuing their educational journey to prepare them for successful future careers. Tuition fees depend on the program you study, the duration of your course and additional costs such as accommodation.

AURAK also provides payment plans to support students.

How to Apply

Applying for admission is easy! Here is your step-by-step guide to ensure a smooth process and avoid delays.



Step 1

Submit your completed application form online or in person and pay your application fee.



In order to avoid any delays, you need to include the following documents in English when you submit your application:

School of Engineering Graduate Studies



Official Graduation Certificate



Official University Transcript



Two Recommendation Letters



Personal Statement



Proof of your English Language Proficiency (IELTS, TOEFL or any equivalent certificate)



A copy of your UAE ID Card (if applying from within the UAE)



● A copy of your Passport
● Residence Visa (if a resident of the UAE)



Passport Size Photo

In addition, students transferring from another accredited institution also need to submit the following with the documents mentioned above:

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



Step 2

The Admissions Team will review your application once they have received it and notify you in writing of the outcome. Please make sure your contact details are correct at the time of submission.

**Enrollment fee is payable once the admission offer is received*



Step 3

Clear any conditions (if any). This will be stipulated in your offer letter, so make sure to clear them by the deadlines mentioned in the offer letter.



Step 4

Pay your tuition fees. Once you have accepted your offer of admission and settled your tuition fee payment, your enrollment in AURAK will be finalized.



Step 5

You are now set to start your studies - Good Luck!

To start your online application

Scan the QR code



If you have any questions, please feel free to visit or contact the Enrollment Management Department in Building D at the AURAK campus. Alternatively, you can contact the team at +971 7 246 8888 or by email at admissions@aurak.ac.ae.

Campus Facilities at AURAK

Classrooms

Aimed at enhancing student learning experiences, AURAK houses interactive classrooms with smart technologies including smart boards, audio/video systems, strong wi-fi coverage and high-end digital cameras. With ergonomic seating, our modern classrooms are specifically designed to create a healthy, active educational environment for students and faculty.



Laboratories

AURAK boasts 50 leading-edge laboratories enabling students to put theory into practice. Equipped with advanced instruments and technology, our laboratories are everything but ordinary. The University's labs are custom-built to deliver industry-ready graduates to tackle current challenges with world-class education, research and development tools.

Library

Located in the heart of the University, the 5,350 sq. foot SAQR Library offers a wealth of resources. Spanning three levels, the library is home to an expansive range of more than 450,000 printed and digital resources as well as the following:



Private Study Cubicles



Group Study Rooms



Conference Rooms



Auditorium



Comfortable Learning Spaces



Dynamic Work Areas



High-tech Computer Laboratory for Library Applications



The library's user-friendly setup and features proudly support academic development and aim to enrich the minds of students and researchers alike.

Sport Facilities and Social Clubs

Participating in a sport at AURAK is open to everyone. Whether you are a beginner or a high performer, there are a variety of sports that you can join.

The University sports facilities include a multipurpose hall, a well-equipped gymnasium, a range of workout machines, a walking track and outdoor sports fields. AURAK has a wide range of sports teams that participate in both inter- and intra-university competitions in the UAE.



The clubs and societies at AURAK cover a wide variety of interests that you may appeal to you. Clubs and societies are not only fun, but they also develop skills that are highly valued by employers such as leadership skills and teamwork.

Joining a club or society is a great way to meet like-minded friends that share your interests. Participation in such organizations will take your mind off the stress of your studies so that you can return to your studies more relaxed and with a clearer mind.

Whether you are interested in public speaking, photography, arts, adventure, volunteering or gaming, to name a few, there is something for you. If you can't find what you're looking for, you can start your own!



On-Campus Student Accommodation at AURAK

Our residential halls at AURAK are managed by the university and provide you with a comfortable and safe living environment conducive to your academic and social aspirations.

During your stay at our on-campus residences, you will meet students from across the world, get to know cultures and traditions different from your own, and develop new life-long friendships.

The rooms are fully equipped, safe, secure, and budget-friendly. For your comfort, male and female blocks are separated. Students can choose between shared rooms or single rooms depending on their preference and budget.

For more information about our on-campus accommodation,
email our Student Residential Life Department at residential.life@aurak.ac.ae



Faculty School of Engineering Graduate Programs

Prof. Ahmad Sakhrieh

Professor of Master of Science
in Sustainable and Renewable Energy (MSRE)

Dr. Mohamad Kharseh

Assistant Professor of Master of Science in Sustainable
and Renewable Energy (MSRE)

Dr. Muataz Al Hazza

Associate Professor of Master of Science in
Engineering Project Management (MEPM)

Dr. Khaled Hossin

Assistant Professor of Mechanical Engineering,
Thermal Science

Dr. Mohammed Alnahhal

Assistant Professor of Industrial Engineering

Where is AURAK ?



Middle East



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AMERICAN UNIVERSITY OF RAS AL KHAIMAH

GET IN TOUCH

TOLL FREE 800 AURAK (28725)

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admissions@aurak.ac.ae

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All information provided is correct at the time of printing (July 2026) and is subject to change without notice.