

اضاف موقع كيو اس (QS) معلومات عن كل برنامج من البرامج التعليمية في الجامعة مع كافة التفاصيل. تفضلكم تزويدنا بالمعلومات وفق الجدول ادناه ولكل برنامج تعليمي (اولية – ماجستير – دكتوراه – دبلوم) لغرض رفعها على الموقع والتي يجب ان تكون باللغة الانكليزية وكذلك الصفحات الالكترونية التي يجب الاستشهاد بها يجب ان تكون باللغة الانكليزية. يمكن اضافة البرامج المقترحة وقيد التفعيل ايضا.

تفاصيل البرنامج الواحد			
	Program ID	رمز البرنامج	
M.Sc. in Electrical Engineering / Power and Machines	Program name	اسم البرنامج	
College of Engineering	College Name	الكلية	
Department of Electrical Engineering	Department Name	القسم	
https://uomosul.edu.iq/en/engineering/	Program URL	الموقع الالكتروني للبرنامج	
Master of Science	Degree Name	اسم الدرجة	
Masters	Study Level	مستوى الدراسة	
Full-time	Course Intensity	نوع الكورس	
On campus	Study Mode	طبيعة الدراسة	
	Full-time		
تفاصيل البرنامج			
- Engineering	Broad Subject Area	الموضوع العام	
Electrical Engineering		Main Subject :	
	Custom Subject	الموضوع اذا لم يكن مذكور	
Power and Machines	Specialization	الاختصاص	
<p>The Master of Science in Electrical Engineering/Power and Machines is a graduate-level academic program designed to provide students with advanced knowledge, technical skills, and research experience in key areas of electrical engineering.</p> <p>The program prepares graduates for leadership roles in industry, academia, and research institutions, addressing current and future technological challenges.</p> <p>Program Objectives</p> <ul style="list-style-type: none"> To deepen students' 		وصف البرنامج	
		Program Description	

	<p>understanding of core concepts in electrical engineering.</p> <ul style="list-style-type: none"> • To provide specialized training in areas such as power systems, control systems, electronics, communication, and embedded systems. • To develop students' ability to conduct independent research, analyze complex engineering problems, and apply innovative solutions. • To prepare graduates for Ph.D. studies or advanced professional roles in engineering and technology. <p>Program Structure The program typically spans 2 years and includes the following components:</p> <p>Courses: Advanced mathematics, research methodology, Control Engineering, Power Systems and Smart Grids Renewable Energy Systems</p> <p>Research/Thesis: Students complete a research thesis under faculty supervision, contributing original knowledge to the field.</p>		
	https://uomosul.edu.iq/en	University Official Website	موقع الجامعة الإلكتروني
	electdep@uomosul.edu.iq	Get more details (email) :	بريد الكتروني للاستفسار
	<ol style="list-style-type: none"> 1. What are the most in-demand specializations within Electrical Engineering for Master's students? 2. How does a Master's degree in Electrical Engineering enhance job opportunities or research prospects compared to a Bachelor's degree? 3. What software tools or technical skills are essential for success in graduate-level electrical engineering studies? 4. What are common research areas or 	Question 1/5	خمسة اسئلة عن البرنامج

	<p>thesis topics currently trending in electrical engineering graduate programs?</p> <p>5. How do industry trends and emerging technologies influence the curriculum and research focus in Master's programs in Electrical Engineering?</p>		
	<p>1. Currently, the most in-demand specializations include:</p> <ul style="list-style-type: none"> ● Control Systems and Automation – essential in robotics, manufacturing, and advanced system design. ● Embedded Systems and IoT – critical for everything from consumer electronics to industrial monitoring. ● Communication Systems – especially with the rise of 5G and wireless sensor networks. ● Machine Learning and AI Applications in EE – a growing area in signal processing, diagnostics, and energy forecasting. <p>2- A Master's degree provides:</p> <ul style="list-style-type: none"> ● Deeper specialization, allowing graduates to take on more complex engineering and R&D roles. ● Higher salaries and better positions, especially in competitive sectors like renewable energy, defense, or aerospace. ● Opportunities in academia and research, including PhD pathways. ● Access to advanced tools and methodologies, making candidates more valuable in industry. ● Leadership and project management roles, which often require postgraduate qualifications. <p>3- Key tools and skills include:</p> <ul style="list-style-type: none"> ● MATLAB/Simulink – for modeling, simulation, and control system design. 	Answer 1/5	خمسة اجوبة عن البرنامج

	<ul style="list-style-type: none"> ● PSCAD / ETAP / DIgSILENT PowerFactory – used in power system analysis and protection studies. ● Python / C++ / LabVIEW – for scripting, automation, and interfacing with hardware. ● FPGA and VHDL/Verilog – for students working with digital systems and embedded design. ● AutoCAD Electrical / PCB Design tools – for circuit design and hardware layout. ● Machine learning libraries – like TensorFlow or Scikit-learn, for AI-focused research in signal and system analysis. <p>4- Trending research areas include:</p> <ul style="list-style-type: none"> ● Integration of renewable energy sources into power grids ● Optimization of electric vehicle (EV) charging infrastructure ● Smart grid protection and control using AI/ML ● Microgrid design and resilience analysis ● Fault detection and isolation in distribution systems ● Power electronics for high-efficiency energy conversion ● Cybersecurity in smart power systems ● Energy storage system modeling and control <p>5-Industry trends directly shape curriculum by:</p> <ul style="list-style-type: none"> ● Driving the inclusion of new courses (e.g., smart grids, EV systems, AI in electrical systems). ● Encouraging interdisciplinary research that blends EE with computer science, data analytics, and mechanical engineering. ● Aligning student projects with real-world needs, such as sustainability, 		
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	<p>automation, and digitalization.</p> <ul style="list-style-type: none"> ● Promoting collaboration with industry partners, who often fund research or provide internship opportunities. ● Ensuring graduates are workforce-ready, with practical experience in technologies like IoT, cloud-based SCADA, and predictive maintenance tools. 		
	- 36	Duration Unit:	الوحدات
	2 years	Duration	نوع البرنامج
	September	Start Month-	بداية البرنامج (شهر)
	<p>June, (subjected to change)</p> <p>Refer to the academic calendar: https://uomosul.edu.iq/en/calendar</p>	Application Deadline	موعد انتهاء التقديم للبرنامج
	Iraqi Dinar (IQD)	Fees Currency:	العملة
	7,500,000	Price Information	معلومات الاجور
	Competition admission test	Exam Type:	نوع الامتحان
	<p>Master's applicants must have a GPA of no less than 65%, or must have graduated in the top quarter of their class.</p> <p>Applicants must have at least two years of actual service after obtaining their most recent academic degree.</p> <p>All applicants to postgraduate studies are required to pass the Unified National Arabic Language Proficiency Test as a mandatory condition for admission.</p> <p><i>Applicants holding equivalent certified qualifications may be exempt, subject to</i></p>	Entry Requirements (Other):	متطلبات اخرى

	<p><i>ministry regulations</i></p> <p>All applicants to postgraduate studies are required to pass the Unified National English Language Proficiency Test with a score not less than the minimum set by the Ministry of Higher Education and Scientific Research.</p> <p>This requirement may be substituted with a valid TOEFL or IELTS certificate in accordance with ministry regulations</p> <p>All applicants to postgraduate studies are required to successfully pass the Iraqi National Computer Proficiency Test, which is considered a core requirement for admission to Master's and Doctoral programs, in accordance with the current regulations of the Ministry of Higher Education and Scientific Research.</p>		
	<p>Full Fees: 2.25 million dinars per year, around 1700\$.</p> <p>However international students are eligible to apply for full or half fees waving, according to the instruction given in the following website: https://mofa.gov.iq/colombo/wp-content/uploads/sites/11/2024/12/Study-in-Iraq-EN.pdf</p>	Min Total Tuition Fees (Domestic) :	الحد الأدنى لإجمالي الرسوم الدراسية (المحلية):
	2,250,000 ID/year	Max Total Tuition Fees (Domestic) :	الحد الأقصى لإجمالي الرسوم الدراسية (المحلية):
	Full fees waving available for certain cases	Min Total Tuition Fees (Domestic, In State) :	الحد الأدنى لإجمالي الرسوم الدراسية (المحلية، داخل الولاية):
	2,250,000 ID/year	Max Total Tuition Fees (Domestic, In State) :	الحد الأقصى لإجمالي الرسوم الدراسية (المحلية، داخل الولاية):
	Full fees waving available for certain cases	Min Total Tuition Fees (Domestic, Out	الحد الأدنى لإجمالي الرسوم الدراسية (المحلية،

		of State)	خارج الولاية)
	2,250,000 ID/year	Max Total Tuition Fees (Domestic, Out of State) :	الحد الأقصى لإجمالي الرسوم الدراسية (المحلية، خارج الولاية):
	Full fees waving available for certain cases	Min Total Tuition Fees (International) :	الحد الأدنى لإجمالي الرسوم الدراسية (الدولي):
	2,250,000 ID/year	Max Total Tuition Fees (International) :	الحد الأقصى لإجمالي الرسوم الدراسية (الدولي):
	Iraqi Dinar	Tuition Fee - Currency :	الرسوم الدراسية - العملة :
	NO	Are candidates required to submit references or letter(s) of recommendation for acceptance?	هل يتعين على المرشحين تقديم مراجع أو خطابات توصية للقبول؟
	No	Are candidates required to submit an essay(s) for acceptance?	هل يتعين على المرشحين تقديم مقال (مقالات) للقبول (بروبوزال)؟
	2 years	Minimum Professional Experience (in years) :	الحد الأدنى من الخبرة المهنية (بالسنوات):
الدعم المالي Financial Aid			
	No	Is there a school sponsored scholarship or financial aid?	هل هناك منحة دراسية أو مساعدات مالية ترعاها الكلية او القسم؟
	N/A	Annual school budget for all scholarships :	ميزانية الكلية او القسم السنوية لجميع المنح الدراسية :
	Iraqi Dinar	Currency :	العملة
	The University covers tuition fees and accommodation for international students from all around the world.	Scholarship Information :	معلومات المنحة

	10	Students per Class :	الطلاب لكل فصل :
	26 years	Average age (in years) :	معدل عمر الطلبة
	Not Required	Average years of work experience at managerial level :	متوسط سنوات الخبرة في العمل على المستوى الإداري:
	70% (Pass mark)	Average GMAT score for your cohort :	معدل درجات التخرج
	700,000 IQD	Average salary after graduation :	متوسط الراتب بعد التخرج :
	N/A	Percent employment after graduation :	نسبة التوظيف بعد التخرج:
	ISO IEC 17025/2017	Program accreditations :	اعتمادات البرنامج) الاعتمادية (ة)
	N/A	Average work experience (in years) :	متوسط الخبرة العملية (بالسنوات):
	1	Number of nationalities in current cohort :	عدد الجنسيات في وجبة التخرج الحالي :
	Department of Electrical Engineering	Institution Profile Name Display :	اسم الكلية او القسم
	1964-1965	Foundation Year :	سنة التأسيس
		Current Logo :	شعار الكلية او القسم

