



**University of Hail**  
**Sustainable Development Goals**  
**SDG 7: Affordable & Clean Energy Report**  
**Impact Ranking 2025**



## Overview

The university of Ha'il established four years ago Energy Efficiency Unit (EEU) to collect and control all energy data in all buildings of the university. Beside collection and analysis of data, the unit is responsible for improving energy efficiency and informing the university members about the awareness of rationalizing consumption of energy. They established regulations and policies that follow the Saudi Energy Efficiency Center standards. The university created a committee for Energy Management to review and participate in energy efficiency measures and projects. The university signed an MOU with a super-esco (Tahseed) for upgrading existing buildings. A tower for wind energy measurement - 100 m long - an MOU with King Abdullah for Atomic and Renewable Energy was assigned. The university provides annual energy consumption reports. The presence of Energy Efficiency Unit for energy data collection and analysis, improving energy efficiency measures and informing the university members about the awareness of rationalizing consumption. The university of Hail is a government sector and all energy issues and regulations are controlled by SEEC (The Saudi Energy Efficiency Center). SEEC was created to be an international reference in the field of energy efficiency (<https://www.seec.gov.sa/en>). An environmental policy at the university was assigned enables protecting environment, expanding the cultivation of ecological trees to support the university's approach towards reducing carbon emissions. Commitment to the use of energy-saving devices, to ensure the production of reduced or no carbon emissions.

The Deanship of Scientific Research was established at the University of Hail in order to provide an attractive and stimulating environment that supports excellence, creativity and innovation, by supporting and encouraging all innovative scientific research activities for faculty members, researchers and graduate students. Among this research, a top priority is given for energy and industrial research related topics including carbon management and CO<sub>2</sub> capture to minimize carbon dioxide emission.

The university established an undergraduate program for renewable energy at the college of engineering. A course related to energy efficiency is taught in most curriculums of engineering college. The university distribute many infographics in 2023 for energy saving recommendations. Organizing



seminars & workshops to increase the awareness of energy efficiency and importance of best utilization of energy resources.

**Important published links:**

<https://www.seec.gov.sa/en>

<https://www.uoh.edu.sa/En/Colleges/Engineering/Pages/R-2023.aspx>

<https://www.uoh.edu.sa/en/Deanships/Deanship-S-R/Pages/default.aspx>

<https://www.uoh.edu.sa/En/Pages/SDG/ACE.aspx>

[https://x.com/\\_UOH/status/1639624493571223555](https://x.com/_UOH/status/1639624493571223555)

[https://x.com/\\_UOH/status/1616039704587034625](https://x.com/_UOH/status/1616039704587034625)

[https://x.com/\\_UOH/status/1701545681867931796](https://x.com/_UOH/status/1701545681867931796) .

<https://www.uoh.edu.sa/en/Colleges/Engineering/Pages/CollegeDepartmentDetails.aspx?sid=4>

[https://x.com/\\_UOH/status/1153622489966292994?s=20&t=-I5yohjtz\\_xSljkLAhwXWQ](https://x.com/_UOH/status/1153622489966292994?s=20&t=-I5yohjtz_xSljkLAhwXWQ)



الشركة الوطنية لخدمات كفاءة الطاقة  
National Energy Services Company

- اتفاقية لأعمال إعادة تأهيل مباني الجامعة ومرافقها  
بتاريخ 2020/11/22م



مدينة الملك عبد الله للطاقة  
الذرية والمتجددة KA-CARE

- مذكرة تفاهم مع مدينة الملك عبد الله للطاقة  
الذرية والمتجددة بشأن استضافة محطة رصد  
طاقة الرياح بتاريخ 2020/11/22م

## لائحة الترخيص لمقدمي خدمات كفاءة الطاقة

الصادرة بموجب قرار مجلس إدارة المركز السعودي لكفاءة الطاقة

رقم (٢٠٢٠-٠٢-٠١) وتاريخ (٢٨/١١/١٤٤١هـ)، الموافق (١٩/٠٧/٢٠٢٠م)



# هندسة الطاقة المتجددة Renewable Energy Engineering

برنامج البكالوريوس الأول من نوعه في مجال  
الطاقة المتجددة على مستوى الجامعات السعودية

معتمد من  
وزارة التعليم

مصنف من  
وزارة الخدمة المدنية

الكلية التابعة لها  
كلية الهندسة

مدة البرنامج  
8 فصول دراسية  
بعد اجتياز السنة التحضيرية

شروط القبول

اجتياز متطلبات السنة التحضيرية المسار الهندسي  
بمعدل تراكمي لا يقل عن 3 من 4

فرص العمل المهيأة بعد التخرج



شركات تنفيذ  
المشاريع الكبرى



شركات التنظيم  
الوطنية والعالمية



المنظمات والهيئات  
غير الحكومية



محطات توليد  
الطاقة



الهيئات الرقابية  
في مجال الطاقة



تصميم الآلات  
والأنظمة الفرعية



المجالات الأكاديمية  
والبحثية

## Study Plan of B.Sc. in Renewable Energy Engineering (REE) Program

### FIRST YEAR OF (REE) PROGRAM (Freshman)

FIRST SEMESTER						
CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
CHEM 101	Chemistry I	4	3	3		
ENGL 101	English Composition I	3	3	0		
MATH 101	Calculus I	4	4	0		PHYS 101
PHYS 101	Physics I	4	3	3		MATH 101
IC 101	Intro. To Islamic Culture	2	2	0		
TOTAL (CREDIT)		17				

### SECOND SEMESTER

CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
ENGL 102	English Composition II	3	3	0	ENGL 101	
ARAB 101	Arabic Languages Skills	2	2	0		
MATH 102	Calculus II	4	4	0	MATH 101	PHYS 102
PHYS 102	Physics II	4	3	3	PHYS 101	MATH 102
ICS 103	Computer Programming in C	3	2	3	MATH 101	
IC 102	Islam and Society Building	2	2	0		
TOTAL (CREDIT)		18				

CRT=35





## لا تنسى إغلاقه قبل خروجك

أحرص على إغلاق المكيف  
عند مغادرة المكان، للتقليل  
من استهلاك الطاقة



كفاءة  
المركز السعودي لكفاءة الطاقة  
Saudi Energy Efficiency Center

WWW.UOH.EDU.SA

@\_uoh

uohtubes

@\_uoh1



## يستهلك التكييف من إجمالي الطاقة الكهربائية في المبنى ما يقارب 70%

استهلاكه  
يصل إلى

70%



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Saudi Energy Efficiency Center

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@\_uoh1







تعد سياسة ترشيد الإنفاق إحدى السياسات الناجحة في تحقيق كفاءة الإنفاق.

## نتطلع

لتعاون الجميع لترسيخ مبدأ الترشيح للحفاظ على الطاقة.  
والذي يتحقق بعدة طرق منها:

” إغلاق الإضاءة وأجهزة الحاسب الآلي والتكييف وآلات  
التصوير وغيرها من الأجهزة الكهربائية “

ونظراً لقرب بداية إجازة عيد الأضحى المبارك ...

## نأمل

قبل مغادرة المكتب في آخر يوم عمل التأكد من إغلاق الأجهزة  
الكهربائية والنوافذ



وحدة كفاءة الإنفاق - بالتعاون مع إدارة التواصل الداخلي

جامعة حائل  
University of Ha'il

نحو طاقة مستدامة  
Towards sustainable energy

الأعضاء منسوبي الجامعة

إسهامكم في اتباع السلوك الصحيح في استخدام الإنارة  
يساعد على تحقيق طاقة مستدامة

- 1 إغلاق الإنارة عند الخروج
- 2 الاستفادة من ضوء الإنارة الطبيعية خلال ساعات النهار
- 3 استخدام لمبات عالية الكفاءة مثل LED

إدارة الأعمال والتمويل  
University Business Department

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كفاءة  
Efficiency

جامعة حائل  
University of Ha'il

نشارك من أجل الأرض

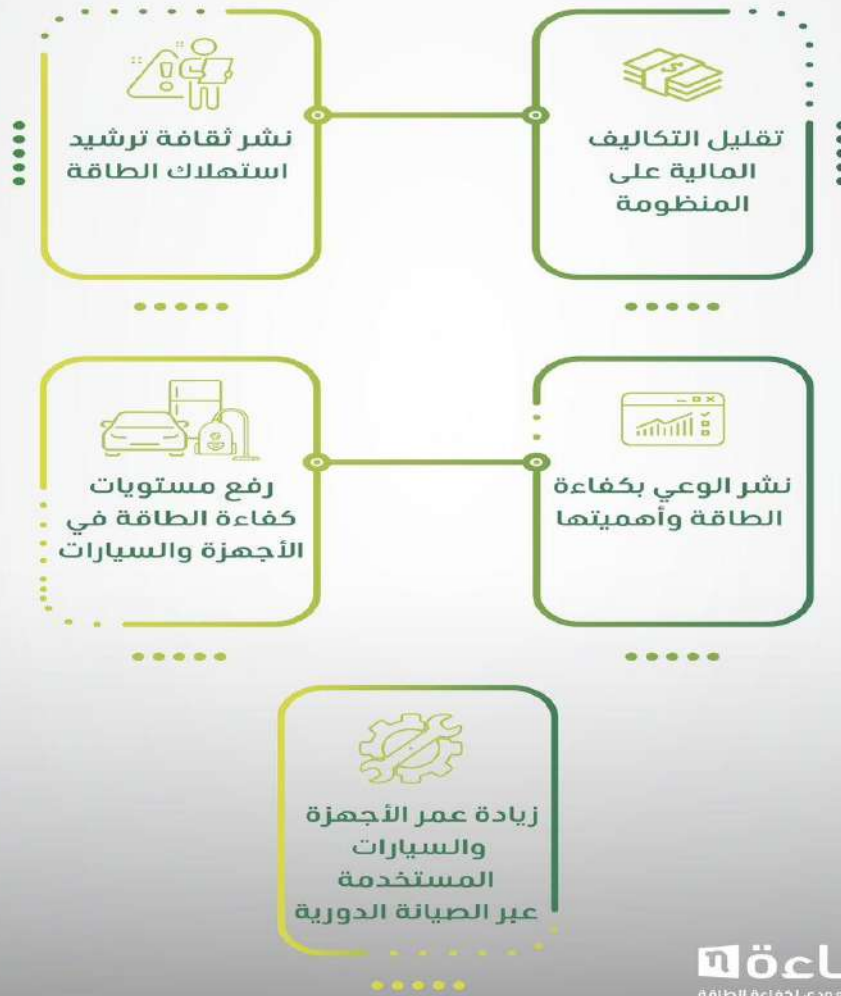
يوم السبت 25 مارس 2023 8:30  
ساعة للتقليل من استهلاك الطاقة  
وخفض الانبعاثات الضارة

وحدة كفاءة الطاقة بجامعة حائل

www.uoh.edu.sa @uoh @uohbeta @uoh\_1



## أثر فريقي كفاءة الطاقة، على المنظومة:



كفاءة  
المركز السعودي لكفاءة الطاقة  
Saudi Energy Efficiency Center





### Environment Policy

The University of Hail is committed to achieving an effective environmental management system appropriate to the nature and size of environmental influences arising from all activities and services at the university, according to the standards based on the development of announced and specific procedures represented in the following:

1. Establishment and implementation of an environmental management system based on the requirements of ISO 14001:2015
2. Setting measurable environmental goals and following up on the implementation of those goals.
3. Providing the necessary resources to preserve the environment and defining responsibilities and powers within the university
4. Compliance with all laws and regulations related to the preservation of the environment issued by the authorities and relevant legislator.
5. Spreading awareness and responsibility towards the environment and environmental risks among all university employees, and approvals are obtained from the concerned authorities before starting any project that affects the environment.
6. Monitor all activities and projects that affect the environment.
7. Developing the skills of university employees in the field of environmental safety.
8. Work to benefit from natural resources and reduce environmental pollution.
9. Disclosure of environmental information and making it available to all beneficiaries of the university in accordance with the regulations and policies in force within the Kingdom of Saudi Arabia.
10. Periodic measurement of environmental performance indicators to ensure the determination of progress in achieving the environmental goals of the university.
11. Periodic review and evaluation of the environmental management system and evaluation of opportunities to ensure continuous improvement.
12. Raising the efficiency of the concerned authorities to adhere to periodic and preventive maintenance, which contributes to raising the efficiency of energy consumption in university buildings.
13. Providing training programs for university employees in order to raise their competencies in the fields of energy efficiency.
14. Expanding the cultivation of ecological trees to support the university's approach towards reducing carbon emissions.
15. Commitment to the use of energy-saving devices, to ensure the production of reduced or no carbon emissions.



16. Work on the participation of university employees in the preparation, activation and evaluation of environmental policy.

- This policy and the associated procedures and instructions are fully applicable to all operations and services of the University. This policy is announced to all University employees and external partners to ensure the increasing of stakeholders' awareness. All University employees must adhere to the application of this policy as well as any external party appointed to work with the University.
- This policy is reviewed periodically every five years.

**President of the University of Hail**  
**Prof. Rashid bin Muslat Al-Sharif**



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