



Hussein EL Gharib

Energy and Chemical Engineer

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Experience

Beirut University **September 2015-Present**
Senior Lecturer Lebanon

- Conduct extensive research to stay updated on advanced technical challenges in Energy Engineering.
- Deliver lectures on cutting-edge topics, ensuring students grasp complex engineering concepts.
- Develop and assess exams and coursework to enhance students' problem-solving skills.
- Collaborate with faculty to refine curriculum structure, aligning with ABET Accreditation standards.
- Teach a range of modules, including:
 - **Petroleum Geology & Exploration Methods**
 - **Reservoir Rock Geo-mechanics**
 - **Well Logging & Reservoir Characterization**
 - **Drilling & Production Operations**
 - **Geothermal Subsurface Engineering**
 - **Physical Geology & Geology of Lebanon**
 - **Environment & Safety**

Education

London South Bank University **September 2008-June 2010**
HND Chemical Engineering
Merit

Final Year Project Thesis: "Biofuels Syngas from Methane Processes"
Involving a section of plant design including P&ID, Mass and Energy Balance and Economics.

London South University **September 2010-June 2012**
BEng Energy Engineering
First Class

- Developed strong scientific and managerial skills for business organizations.
- Gained expertise in key areas of Energy, Chemical, and Mechanical Engineering, including:
 - **Reactor Design & Corrosion**
 - **Separation Processes**
 - **Computer Modelling & Process Control**
 - **Economics & Project Management**
 - **Health, Safety & Environmental Considerations**
- Applied theoretical knowledge in practical projects, integrating engineering and management principles.

London South Bank University **June 2012-December 2013**
Msc Energy Engineering
Merit

Dissertation thesis About Microbial Enhanced Oil Recovery

Delft University Of Technology **June 2025-July 2025**
Engineering Summer School
<https://www.tudelft.nl/>

Carbon Capture, Utilization and Storage.

Skills

Geothermal Energy



Production Chemistry



System Testing



Hazop and Risk Assessment



Chromatography



Industrial Chemistry



Technical Report



Microbiology & Chemistry Lab



Polarizing microscope



Chemical Engineering Lab



Certifications

OSHA Certificate

OSHA

March 2017

Carbonate Reservoir Development

Applied Stratigraphic -Colorado

January 2018

<https://www.stratigraphyhelp.com/>

Geothermal Energy-From Potential To Implementation.

Turin-SPE

June 2024

Geothermal Heat Pump Days

EGEC-Dublin

October 2024

Carbon Capture, Utilization and Storage.

TU Delft

June 2025- July 2025

Awards

Presidential Award Top 5 Worldwide SPE Section

2020

Languages

English

Fluent



Arabic

Native



French

Novice



Dutch

Novice

