


World's Top Ten & Asia's Best in Chemical Engineering



Master of Science Energy Systems

Application Deadline: 31 March 2022

[Application Link](#)

For more details, please check our website:

<https://cde.nus.edu.sg/chbe/msc-in-energy-systems/>

The NUS MSc Energy Systems Graduate
A Creative and Socially Responsible Chemical Engineer

BRINGING TOGETHER THE BEST

Together with our passionate academia and seasoned industry experts, our NUS Chemical & Biomolecular faculty are committed to providing you with an enriching and stimulating MSc Energy Systems education.

HIGHLY PREFERRED BY EMPLOYERS WORLDWIDE

Named among top universities in nurturing graduate employability, NUS graduates are highly preferred by employers worldwide.

STELLAR GLOBAL ALUMNI NETWORK

NUS is world-renowned for our academic excellence in education, research and service. With your NUS degree, you will join a vibrant network of 300,000 graduates from diverse backgrounds and disciplines from over 100 countries. On top of this, you will have the added benefit of our NUS Chemical Engineering Alumni network connections.

Course Objectives

- To address the gap in current single-disciplinary energy education
- To equip with holistic and foundational knowledge in energy technology and innovation management
- To facilitate decision making in energy solutions and investment

Degree Requirements 40 modular credits

At least 3
Core 1 Modules

+

At least 3
Core 2 Modules

+

Electives

Core 1: Energy Technologies

- CN5190 Hydrogen Energy and Technology
- CN5194 Carbon Capture Sequestration and Utilisation
- EE5713 Modern Power Systems and Grid
- MLE5212 Energy Conversion and Storage
- ME5209 Energy Technologies and Systems

Core 2: Management and Innovation

- IE5003 Cost Analysis and Engineering Economy
- IE5203 Decision Analysis
- IE5206 Energy and Sustainability
- IE5207 Energy Systems Modelling and Market Mechanisms
- MT5007 Management of Technological Innovation

Electives

- ME5207 Solar Energy Systems
- MT5010 Technology Forecasting and Intelligence
- CN5202 Selected Topics in Energy Systems
- CN5550 Energy Systems Project

Note: All modules listed are worth 4 MCs each except for CN5550 Energy Systems Project which is 8 MCs.

Job Perspectives

- Energy analysis and operation management
- Technology and innovation management in energy sector
- Investment analysis and decisions related to energy technologies
- Consulting and policy advisory



Candidature 1 year for full-time; 2 years for part-time

Application ([Deadline: 31 March 2022 for August 2022 Intake](#))

Open once a year to bachelor degree holders (preferably with honours) of any nationality with engineering and other STEM disciplines. Candidates applying for part-time course should preferably have had a period of relevant practical experience after the first degree.



Course Fees \$51,360 in Academic Year 2022/23



**No matter what you do and where you go
we are always here looking out for you
to make your dreams come true**

Engineer Your Own Evolution!
Enquiries: chbe_grad_programs@nus.edu.sg