Words from our Graduates

My chemical engineering education at NUS provided me with a solid grounding for career success in the future. I find inclusive process control, process safety and process modeling highly relevant to my work demands in researching and simulating ways to energy processes in both research and industrial environments. There are many opportunities to the trained to process related to the design of plant processes (energy, processes, food process, NDT/NDT processes, etc). all of which I am confident to perform in a decade that will be all.

Gong Guo Rui, Class of 2018
Senior Engineer, NTP Engineering Services, Beijing

The undergraduate and post-graduate programmes at NUS Chemical Engineering equipped me with necessary skills and abilities for my role in the production management of a major European pharmaceutical company. My engineering education at NUS is especially significant to me.

Lai Su Qin Elke, Class of 2007
Senior Chemical Engineer, ExxonMobil Asia Pacific

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CHEMICAL ENGINEERING
Nurturing Holistic Engineers, Impacting Lives

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What's in Store

The four-year B.Eng (Chemical Engineering) programme at NUS educates building engineers to design, develop, and operate chemical processes by which chemicals, petrochemical products, food, pharmaceuticals and consumer goods can be produced economically and safely with minimal environmental impact. In addition, NUS Chemical Engineering students integrate the necessary background in art and design to develop a forward-thinking approach to the products we engage in daily and functionally promote that benefit society in many ways.

Students will also enjoy a fascinating knowledge and cognitive task for transforming chemical, physical, and biological phenomena for the benefit of society, in addition to:

- Creating new materials, devices and drugs.
- Applying lab-scale science to large-scale production.

Through the four-year programme, NUS Chemical Engineering students will:

- Acquire foundational knowledge in chemical engineering, including mass and energy balances, thermodynamics, fluid mechanics, and process design.
- Receive comprehensive training in chemical engineering practice, from laboratory work to design projects.


career prospects

Chemical engineers are essential to the development of new technologies in retail and vibrant chemical and pharmaceutical industries. With growing concerns about more environmentally-conscious processes and socially responsible business practices, chemical engineers play an important role in the chemical industry to more efficiently use resources and produce safer and greener products.

Our graduates have found employment in chemical, petroleum refining, petrochemicals, polymers, electronics, biotechnology and water industries. Some examples are:

- Corning
- GE
- ExxonMobil
- Micron Technology
- General Electric
- Sanofi-Aventis
- Shell
- BASF

Future employers

- Bayer
- Honeywell
- GE
- Apple
- Samsung