Choosing NUS Engineering Science Programme was a wise decision. The rigor of the curriculum, the exposure to different areas of knowledge, and the skills developed there are truly invaluable. This programme has provided me with the tools needed to succeed in my future career. Being able to control my own pace, work on a problem that I find exciting; it has truly been a great journey. I am grateful for the support from my mentors and classmates who have believed in me and helped me grow.

Chun Wei, Class of 2016
Project Manager
Hitachi AMSYS Singapore Pte Ltd

Although I may appear unremarkable, all the modules in NUS Engineering Science Programme are carefully planned to get the best out of you. From the very start, you are taught to think critically and creatively. NUS Engineering Science Programme is the perfect blend of theory and practical applications, giving me the knowledge and skills I need for my future in the fast-paced and ever-changing world of technology.

Fung Wei Jun, Class of 2016
Engineer
OCBC National Bank

NUS Engineering Science Programme immerses you in a rigorous curriculum, exposing you to a wide array of subjects. The programme is designed to challenge you and push you to your limits. It is a great opportunity to develop your problem-solving skills and apply them to real-world scenarios.

Ling Quee, Class of 2016
MBA in Computing (Information Systems), NUS Business School

The programme was challenging but rewarding. It taught me to think critically and creatively, and to apply my knowledge to real-world problems. I am grateful for the support I received from the faculty and my fellow students. NUS Engineering Science Programme has truly been a life-changing experience for me.

Engineering Science Programmes
NUS Engineering
E80-04 Engineering Drive 1
Singapore 117575

+65 6518 3664
nsep@nus.edu.sg
www.nus.edu.sg
What is Engineering Science Programme?

Jointly offered by NUS Engineering and the Faculty of Science, the Engineering Science Programme provides scientific and engineering education in an exciting cross-disciplinary field, which incorporate mathematics, physics, computer science, and biological and chemical sciences to foster engineering studies.

Students have the opportunity to engage in research-based and interesting science modules, extension modules, and research projects, as well as internships and industrial placements. Students can also be introduced to a new class of engineering sciences that provides a new stimulus for solving real-world problems of a global nature.

Specialisations

Transforming Technology

Engineering in the digital age is increasingly concerned with the design, development, and implementation of intelligent systems that are context-aware, autonomous, and proactive. This module aims to equip students with the knowledge and skills to design and engineer such systems.

Sustainable, Renewable and Energy Science

Focuses on the renewable and sustainable technologies that can provide a more sustainable energy future. The programme covers topics such as solar and wind energy, bioenergy, and energy storage.

Medical Robotics

Addressing numerous and challenging health issues, this specialisation will equip students with the necessary knowledge and skills to design and develop innovative medical devices.

Career Prospects

Our graduates are valued for their creativity, critical thinking, good communication skills, and great problem-solving abilities. Many graduate opportunities are available in traditional engineering, business sectors, or as researchers and academics. Graduates are also well suited for the emerging fields of renewable energy, sustainable resources, data science, and artificial intelligence.

Some examples for our graduates in the specialisations are as follows:

- Renewable and Technology: Asst Prof. Haotian Wei, NUS
- Engineering Science in Medicine: Dr. Wing-Chai Cheung, NUS
- Energy Science and Technology: Prof. Hau-Kwong Ip, NUS

Engineers in the global arena work on projects that bridge different disciplines, thereby requiring a broad range of skills and knowledge. Engineering Science graduates can pursue roles in industries such as automotive, aerospace, and technology. They can also choose to work in research and development, consulting, or entrepreneurship.

Engineering Science Programme provides unique advantages with the Electrical and Computer Engineering, Mechanical Engineering, Physics and Materials Engineering, and Bioengineering programmes, enabling students to opt for a minor in another discipline, broadening their career prospects.

"Engineering Science Programme graduates from NUS Engineering are innovative and innovative. They have shown themselves to be willing to take up challenging tasks and solve problems."

Wing Chai Cheung
Associate Professor
Singapore University of Technology and Design