Clements in NUS Materials Science & Engineering was exciting because of the atmosphere and the environment. The programs offered here are very comprehensive and allow you to learn and develop your skills in a variety of fields. The department provides excellent facilities and resources for students to pursue their research interests. I am grateful to have had the opportunity to work with such brilliant minds in the field of materials science.

Chang Ya Hong, Class of 2018
Research Engineer, Nanotechnology

After graduating from NUS, I undertook a bachelor’s degree at an interdisciplinary science institute of higher education in Singapore, where I specialized in materials science and engineering. The experience was invaluable in providing me with a solid foundation in the field and preparing me for my future career. I am currently working as a research engineer in the materials science industry. I would recommend anyone considering a career in materials science and engineering to pursue a degree at NUS.

Fahmi Ariadi, Class of 2012
Assistant Professor, National University of Singapore

I am grateful for the wonderful education and opportunities I have had at NUS. The program has provided me with a strong foundation in materials science and engineering, which has helped me in my career as a materials scientist. I would highly recommend this program to anyone interested in pursuing a career in the field.

Zheng Hao, Class of 2014
Research Engineer, Singapore Science Park

I am pleased to see the progress that the department has made since my time as a student. I am confident that the program will continue to provide excellent education and opportunities for students to pursue their interests in the field of materials science.

Cynthia Neo, Class of 2016
PhD Student, National University of Singapore

I am excited to see the growth of the department and its programs. I believe that the department will continue to provide excellent education and opportunities for students to pursue their interests in the field of materials science.

Vu Tung, Class of 2015
Assistant Professor, National University of Singapore

After completing my degree at NUS, I pursued my PhD at a leading university in the United States. The program has provided me with a strong foundation in materials science and engineering, which has helped me in my current role as an assistant professor. I would highly recommend this program to anyone interested in pursuing a career in the field of materials science and engineering.

Fahmi Ariadi, Class of 2012
Assistant Professor, National University of Singapore

The program has provided me with a strong foundation in materials science and engineering, which has helped me in my current role as an assistant professor. I would highly recommend this program to anyone interested in pursuing a career in the field of materials science and engineering.
What is Materials Science & Engineering?

As the name suggests, materials science and engineering is a dynamic, multidisciplinary field that plays a crucial role in the development of new technologies. By combining principles from physics, chemistry, and engineering, materials scientists and engineers can design materials and devices with unique properties that allow them to be used in a wide range of applications, from electronics and computing to aerospace and medical devices.

Specialisations

There are currently two areas of specialisation in Materials Science & Engineering: the core curriculum is designed to be flexible, allowing students to tailor their studies to their specific interests. Students can choose to focus on either energy and materials or biotechnology and biomedical materials. These specialisations provide students with the skills and knowledge to pursue careers in a variety of industries, from renewable energy to medical devices and advanced materials.

Career Prospects

Materials scientists and engineers enjoy flexibility in career choices due to the interdisciplinary nature of the field. Graduates can pursue careers in a variety of industries, from automotive and aerospace to electronics and biomedical engineering. The skills acquired in Materials Science & Engineering are highly valued in sectors such as renewable energy, nanotechnology, and biotechnology. Many graduates go on to work in leading research institutions, government laboratories, and private companies.

“Hawtai-Packed Singaporeans await new materials technology and advanced manufacturing for product offering and efficiency. For instance, nanomaterials could provide new materials to allow for more energy efficient, smaller and more efficient products. The company has just patented a new product in critical for successful transition. In addition, improving new materials typically leads to better products, as well as generating information on new products that will help enhance our customer experience. Our company recently hired some NUS Materials Science & Engineering graduates. With their understanding of materials and their knowledge, I have tried to track their performance. They have provided us with a fresh perspective that has helped us innovate, manage change risk and better time to market and product quality. Contributions of the NUS Materials Science & Engineering graduates to our organisation are critical, as we continue to expand and grow our business.”

“Product Engineering Director, Hewlett Packard Singapore”