

3.2.6.1 Overview

From January 2017 onwards, ESP is hosted and supported by the following three departments (Electrical Engineering and Computing, Mechanical Engineering and Physics). All academic staff working for ESP are pooled from these departments and ESP is now jointly owned by them.

Engineering Science students will read a set of core engineering science modules in the first two years that will provide a strong background in the fundamentals in engineering, science, materials, mathematics and computing. A portion of the curriculum is set aside for non-engineering modules in areas such as engineering professionalism and critical thinking and writing. These are intended to equip our graduates with the knowledge to function effectively in tomorrow's workplace. Students will undergo a 12-week research internship during the vacation period following the second or third year of their studies. In the final two years, the curriculum is flexible so that students can pursue interests in any of the following areas of specialisations.

1. Nanoscience and Technology
2. Computational Engineering Science
3. Energy Science and Technology
4. Engineering Science in Medicine

These courses are specially designed to reduce the common barriers to multidisciplinary work and bring out creative qualities. Graduates will be conferred a Bachelor of Engineering (Engineering Science) degree.