"Materials Engineering has given me the opportunity to access state-of-the-art facilities for the development of advanced functional materials for electronics and energy storage devices."

Ryan Poon
Materials Engineering

Your PATHWAY to learning

1 What is a Material?

Courses on bonding, crystallography, mixing of materials and equilibrium (MATLS 2A04, 2B03, 2D03)

2 Structure Property Relationships

- Semiconductors (MATLS 2Q03, 3Q03)
- Polymers (MATLS 4P03)

3 Processing & Characterization of Electronic and Nano-Materials

- Thin-Film Laboratory (MATLS 4LF2)
- Sensors (MATLS 4Q03)
- Nanomaterials (MATLS 4G03, 4FF3)

4 Materials Selection & Capstone

Careers in Smart Materials & Devices:

- Sensors and microdevices
- Reverse Engineering and Failure Analysis
- Material Processing

Where you'll go: telecommunications, energy and microelectronics sectors