

# Your PATHWAY to learning

Careers in Biomaterials:

- Material processing and surface modification
- Advanced Manufacturing
- Sensor development

Where you'll go: health care, medical, manufacturing and pharmaceutical sectors



1

What is a Material?

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

2

Processing of Biomaterials

- Ceramics (MATLS 3B03)
- Polymers (MATLS 4P03)
- Biomaterials lab (MATLS 4LB2)

3

Applications of Biomaterials

- Sensors (MATLS 4Q03)
- Tissue and Implant Engineering (MATLS 4B03, 4Y03)

4

Materials Selection & Capstone

*"Biomaterials Engineering has allowed me to combine my interest in the human body with classical Materials Engineering to develop a new generation of multi-functional materials."*

**Amanda Clifford**  
Materials Engineering

