The School of Materials Science and Engineering has state-of-the-art facilities and outstanding researchers with international reputations. The School offers extensive opportunities for innovation and development in a broad range of fields including physical and process metallurgy, functional and structural ceramics, polymer engineering, composites, biomaterials, nanomaterials, and sustainable materials processing.

**Research Degrees**

**Doctor of Philosophy (by Research)**
- Program Code: 1045 (Materials Science and Engineering)
- Length of study: 3 to 4 years of advanced study leading to the submission of a thesis. Minimal duration for completion is 3 years.
- A PhD requires the completion of a piece of research that demonstrates a significant and original contribution to knowledge in the field of study. Candidates acquire advanced research training and skills. The candidate's thesis summarises the research and provides evidence for independent thought and critical analysis, effective communication, and expert knowledge of the discipline in an international context.

**Master of Engineering (by Research)**
- Program Code: 2175 (Materials Science and Engineering)
- Length of study: 1.5 to 2 years of advanced study leading to the submission of a thesis. Minimal duration for completion is 1.5 years.
- This program requires the completion of an original piece of research, more limited in scope and nature than PhD. Candidates develop mastery of appropriate methodology and learn the fundamentals of research. Findings are presented in a thesis that places the work in the wider context of the discipline.

**Master of Science (by Research)**
- Program Code: 2055 (Materials Science and Engineering)
- Length of study: 1.5 to 2 years of advanced study leading to the submission of a thesis. Minimal duration for completion is 1.5 years.
- This program requires the completion of an original piece of research, more limited in scope and nature than PhD. Candidates develop mastery of appropriate methodology and learn the fundamentals of research. Findings are presented in a thesis that places the work in the wider context of the discipline.

**Master of Philosophy**
- Program Code: 2475
- Length of study: 1.5 years of advanced study leading to the submission of a thesis. The duration can be 1 year if advanced standing is granted.
- Students complete a component of coursework (33%) plus a thesis comprising an original piece of research work of a limited scope (66%).

**Coursework Degrees**

**Master of Science and Technology in Engineering Materials**
- Program Code: 8715
- Commencement: Semester 1 or Semester 2
- Units of credit: 48
- Length of study: 1 year full-time or equivalent part-time
- Entry requirement: A recognised 4 year Bachelor's degree in engineering or science.
- This program is designed for graduates wishing to enhance their career prospects, to diversify by adding a specialisation, or to update their knowledge in Materials Science and Engineering. It provides a comprehensive yet flexible study of the full range of materials, including ceramics, metals, polymers, composites, and nanomaterials. Students may select one or more of these areas in which to specialise in their coursework component (75%) and/or their research component (25%). The coursework component may consist of a combination of formally taught courses as well as self-learning.