

**Major Core Courses (All ■)**

- ■ ■ MBTE4320 Genetic engineering
- ■ ■ BCHE3030 Methods in Biochemistry
- ■ ■ BCHE3050 Molecular Biology
- ■ ■ BIOL3410 General Microbiology
- ■ ■ MBTE4510 Plant Biotechnology
- ■ ■ MBTE4520 Animal Biotechnology
- ■ ■ MBTE4530 Microbial Biotechnology ±
- ■ ■ MBTE3000 Business and Social Aspects of Biotechnology ±
- ■ ■ MBTE4033 Methods in Molecular Biotechnology Laboratory I (Term 5) 1
- ■ ■ MBTE4034 Methods in Molecular Biotechnology Laboratory II (Term 6) 1

**Capstone Core Courses (Final Year Project)\* (3-6 ■)**

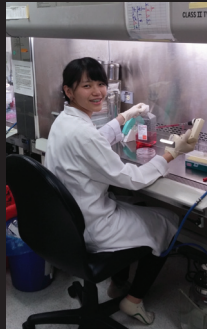
- ■ ■ MBTE4901 Senior Experimental Project I (Summer)
- ■ ■ MBTE4906 Internship in Molecular Biotechnology (Summer) †
- ■ ■ MBTE4902 Senior Experimental Project II (Term 7)
- ■ ■ MBTE4903 Senior Experimental Project III (Term 8)
- ■ ■ LSCI4000 Literature Research (Term7/8)

**Credits Proportion**



**Major Elective Courses (7-10 ■)**

- ■ ■ BCHE3040 Protein and Enzymes
- ■ ■ BCHE3080 Bioenergetics and Metabolism
- ■ ■ BCHE3680 Bioenergetics and Metabolism Laboratory 1
- ■ ■ BCHE4030 Clinical Biochemistry
- ■ ■ BCHE4060 Basic and Applied Immunology
- ■ ■ BCHE4080 Biochemistry for Forensic Sciences
- ■ ■ BCHE4090 Biochemistry for Sport and Exercise
- ■ ■ BMEG2001 Introduction to Biomedical Engineering
- ■ ■ BMEG2011 Biomedical Engineering Laboratory 1
- ■ ■ BIOL2420 Population Genetics
- ■ ■ BIOL3310 Human Biology
- ■ ■ BIOL3530 Plant Biology
- ■ ■ BIOL3630 Animal Physiology
- ■ ■ BIOL4032 Physiological Investigations 1
- ■ ■ BIOL4120 Developmental Biology
- ■ ■ BIOL4310 Human Genetics
- ■ ■ ESSC2600 Biosphere, Climate and the Environment
- ■ ■ CMBI4001 Protein Trafficking
- ■ ■ CMBI4002 Protein Folding
- ■ ■ CMBI4003 Signaling Transduction
- ■ ■ CMBI4101 Cancer Cell Biology
- ■ ■ CMBI4102 Stem Cell Biology
- ■ ■ CMBI4103 Neuronal Cell Biology
- ■ ■ CMBI4201 Genomics and Transcriptomics
- ■ ■ CMBI4202 Proteomics
- ■ ■ CMBI4203 Metabolomics
- ■ ■ CMBI4301 Current Topics in Cell Biology
- ■ ■ CMBI4302 Current Topics in Molecular Biology
- ■ ■ CMBI4303 Current Topics in Biotechniques
- ■ ■ CMBI3101 Biology of Model Organisms for CMB Research
- ■ ■ STAT3210 Statistical Techniques in Life Sciences
- ■ ■ LSCI2003 Scientific Conduct and Bioethics



† **71%** and **60%** of the second/third year MBT students were selected for local and overseas summer internships in **Australia, Germany, USA, Taiwan, Canada** and **Hong Kong** in 2015 and 2016 respectively.



‡ Visits to biotech companies in **Hong Kong** and **Mainland China**.

**Outstanding MBT student**

Biotechnology is essential to biological research, and is also a critical means by which humans can improve their lives. MBT students are taught the basics of bioengineering techniques, encouraged to think critically, and provided ample chances to the latest improvements in biological research, all of which I found to be extremely helpful. Studying the MBT curriculum lead to my decision to study biology further, and I am sure that becoming a MBT student will fuel your love for science.



*Serena Yichen Dai - the Rhodes Scholar for Hong Kong 2016  
Current PhD student in the University of Oxford*

**MBT students pursuing postgraduate studies overseas**

- 👉 The Emory University School of Medicine (USA)
- 👉 Karolinska Institutet (Sweden)
- 👉 University of Zurich (Switzerland)
- 👉 University of Copenhagen (Denmark)