MSc in Chemical and Biomolecular Engineering – Course Schedule

Students are required to complete a total of 30 credits of coursework, made up of at least 12 credits of foundation courses and 6 credits of elective courses. Students who do not possess a bachelor’s degree in Chemical Engineering will be required to take at least 15 credits of foundation courses. All students may also take a maximum of 9 credits of non-CBME postgraduate courses, subject to the approval of the Program Director.

**Tentative** course offering schedule:

### 2021-22 Fall Term

- CBME 5320 Water Quality and Assessment
- CBME 5820 Energy, Environment and Sustainable Development*
- CBME 5830 Electrochemical Energy Technologies*
- CBME 5910 Process Reactor Selection and Design*
- CBME 6000E Protein Engineering
- CBME 6000F Data Science in Biological Engineering

### 2021-22 Spring Term

- CBME 5110 Theory and Practice in Heterogeneous Catalysis*
- CBME 5520 Polymer and Materials Characterization Techniques*
- CBME 5610 Advanced Biochemical Engineering*
- CBME 5750 Process Safety Management and Risk Analysis
- CBME 5860 Chemical Product Engineering*
- CBME 6000B Pharmaceutical Engineering*

* Foundation course

All courses are offered subject to needs and availability. For the latest list of courses to be offered, visit [Class Schedule & Quota](#).

For course details, please refer to:

![Course Catalog](#)