Faculty of Engineering

1  Faculty’s Commitment

2  Key Contact Information

3  Undergraduate Education

3.1  Bachelor of Engineering Programme

   3.1.1  Overview of the Engineering Curriculum

   3.1.2  General Degree Requirements

   3.1.3  Other Academic Matters

   3.1.4  Common Engineering

   3.1.5  Global Engineering Programme

   3.1.6  Innovation & Design Programme

3.2  Bachelor of Engineering Degree Programmes

   3.2.1  Bachelor of Engineering (Biomedical Engineering)

      3.2.1.1  Overview

      3.2.1.2  Degree Requirements

      3.2.1.3  Recommended Semester Schedule

   3.2.2  Bachelor of Engineering (Chemical Engineering)

      3.2.2.1  Overview

      3.2.2.2  Degree Requirements

      3.2.2.3  Recommended Semester Schedule
3.2.3 Bachelor of Engineering (Civil Engineering)

3.2.3.1 Overview

3.2.3.2 Degree Requirements

3.2.3.3 Recommended Semester Schedule

3.2.3.4 Special Programmes

3.2.4 Bachelor of Engineering (Computer Engineering)

3.2.5 Bachelor of Engineering (Electrical Engineering)

3.2.5.1 Overview

3.2.5.2 Degree Requirements

3.2.5.3 Recommended Semester Schedule

3.2.6 Bachelor of Engineering (Engineering Science)

3.2.6.1 Overview

3.2.6.2 Degree Requirements

3.2.6.3 Recommended Semester Schedule

3.2.7 Bachelor of Engineering (Environmental Engineering)

3.2.7.1 Overview

3.2.7.2 Degree Requirements

3.2.7.3 Recommended Semester Schedule

3.2.8 Bachelor of Engineering (Industrial & Systems Engineering)

3.2.8.1 Overview
3.2.8.2 Degree Requirements

3.2.8.3 Recommended Semester Schedule

3.2.9 Bachelor of Engineering (Materials Science & Engineering)

3.2.9.1 Overview

3.2.9.2 Degree Requirements

3.2.9.3 Recommended Semester Schedule

3.2.10 Bachelor of Engineering (Mechanical Engineering)

3.2.10.1 Overview

3.2.10.2 Degree Requirements

3.2.10.3 Sample Semester Schedule

3.3 Minor Programmes

3.3.1 Minor in Biomedical Engineering (hosted by the Department of Biomedical Engineering)

3.3.2 Minor in Engineering Materials

3.3.3 Minor in Systems Engineering

3.3.4 Minor in Management of Technology

3.3.5 Minor in Civil Infrastructure

3.4 Enhancement Programmes

3.4.1 Industrial Attachment Programme

3.4.2 Vacation Internship Programme

3.4.3 Technopreneurship and Incubation Programme
3.4.4  Innovation Programme

3.4.5  Undergraduate Research Opportunities Programme

3.4.6  Independent Work

3.5  Special Programmes

3.5.1  University Scholars Programme

3.5.2  NUS Overseas Colleges (Beijing, Israel, Lausanne, Munich, New York, Shanghai, Silicon Valley, Singapore and Stockholm)

3.5.3  NUS/Georgia Tech Special Term Programme

3.5.4  Double Degree Programmes

   3.5.4.1  Double Degree Programme with French Grandes Écoles (FDDP)

   3.5.4.2  Double Degree Programme in Business Administration and Engineering

   3.5.4.3  Double Degree Programme in Engineering and Economics

3.5.5  Double Major Programmes

   3.5.5.1  Second Major in Systems Engineering Programme

   3.5.5.2  Second Major in Innovation & Design

3.5.6  Student Exchange Programme

4  Graduate Education

4.1  Research Programmes

   4.1.1  Doctor of Engineering (EngD)

      4.1.1.1  Overview

      4.1.1.2  Degree Requirements
4.1.2  Doctor of Philosophy (PhD) and Master of Engineering (MEng)

4.1.2.1  Overview

4.1.2.2  Degree Requirements

4.2  Coursework Programmes

4.2.1  Master of Science (Chemical Engineering)

4.2.1.1  Overview

4.2.1.2  Requirements

4.2.2  Master of Science (Civil Engineering)

4.2.2.1  Overview

4.2.2.2  Degree Requirements

4.2.3  Master of Science (Electrical Engineering)

4.2.3.1  Overview

4.2.3.2  Degree Requirements

4.2.4  Master of Science (Environmental Engineering)

4.2.4.1  Overview

4.2.4.2  Degree Requirements

4.2.5  Master of Science (Geotechnical Engineering)

4.2.5.1  Overview

4.2.5.2  Degree Requirements

4.2.6  Master of Science (Hydraulic Engineering and Water Resources Management)
4.2.6.1 Overview

4.2.6.2 Degree Requirements

4.2.7 Master of Science (Industrial & Systems Engineering)

4.2.7.1 Overview

4.2.7.2 Degree Requirements

4.2.8 Master of Science (Intellectual Property Management)

4.2.8.1 Overview

4.2.8.2 Degree Requirements

4.2.9 Master of Science (Management of Technology)

4.2.9.1 Overview

4.2.9.2 Degree Requirements

4.2.10 Master of Science (Materials Science and Engineering)

4.2.10.1 Overview

4.2.10.2 Degree Requirement

4.2.11 Master of Science (Mechanical Engineering)

4.2.11.1 Overview

4.2.11.2 Degree Requirements

4.2.12 Master of Science (Offshore Technology)

4.2.12.1 Overview

4.2.12.2 Degree Requirements
4.2.13 Master of Science (Safety, Health and Environmental Technology)

4.2.13.1 Overview

4.2.13.2 Degree Requirements

4.2.14 Master of Science (Supply Chain Management)

4.2.14.1 Overview

4.2.14.2 Degree Requirements

4.2.15 Master of Science (Systems Design & Management)

4.2.15.1 Overview

4.2.15.2 Degree Requirements

4.3 Special & Collaborative Programmes

4.3.1 Double Degree Programmes

4.3.1.1 Double Degree Programme with French Grande Ecoles

4.3.2 Joint Degree Programmes

4.3.2.1 NUS-IIT Joint Doctor of Philosophy (PhD) Programme

4.3.2.1.1 Overview

4.3.2.1.2 Degree Requirements

4.3.2.2 NUS-SUTD Joint Doctor of Philosophy (PhD) Programme

4.3.2.2.1 Overview

4.3.2.2.2 Degree Requirements

4.3.2.3 NUS-TU/e Joint Doctor of Philosophy (PhD) Programme
4.3.2.3.1 Overview

4.3.2.3.2 Degree Requirements

4.3.2.4 NUS-SJTU Joint Doctor of Philosophy (PhD) Programme

4.3.2.4.1 Overview

4.3.2.4.2 Degree Requirements

4.3.2.5 Joint MSc (Petroleum Projects and Offshore Technology) Programme

4.3.2.4.1 Overview

4.3.2.4.2 Degree Requirements

4.3.3 Collaborative Programmes

4.3.3.1 NUS-SUSTech Collaborative PhD Programme

4.3.3.2 NUSRI-affiliated PhD Programme (NUS Suzhou Research Institute)

4.3.3.3 TJU-NUS collaborative PhD program (Joint institute in Fuzhou)

4.3.4 Student Exchange

4.4 Financial Assistance and Awards