

Appendix A – Scope of Collaboration

1. General scope and outcomes

The Collaboration offers a variety of undergraduate and postgraduate level courses in multiple disciplines, which integrate both fundamental knowledge and practical skills/applications in Chemistry, Chemical Engineering & Biotechnology.

2. Key Features of Collaboration

2.1 The Collaboration consists of three stages for the Participating Students:

Phase I: Three (3) years of undergraduate level studies in the home university (Shandong University).

Phase II: Comprises one (1) year of full-time study at NTU at CCEB stated in clause 2.2 below. Students shall read 32 AU to 36 AU of coursework approved by the home university, including a final year project (“FYP”) as described in clause 2.4 below. SDU shall ensure that the participating students have fulfilled the respective pre-requisites as may be imposed by NTU.

Phase III: Comprises one (1) year of full-time study at NTU in a selected MSc programme stated in clause 2.2 below. Students have to complete 30 AU of coursework. A Participating Student to be admitted to a NTU MSc programme must have received a BEng / BSc degree of Shandong University. The admission to the MSc programme is based on the fulfillment of the requirements specified by the selected programme and subjected to meeting the admission conditions as described in clause 3 below. The details of the MSc programmes can be accessed [here](#).

2.2 The integrated programme will involve the Participating Students continuing with a master’s degree programme with NTU in Phase III. The list of master’s programmes for each major is given in the table below.

NTU Engineering/Science School (Major)	Phase II: NTU Bachelor’s programme	Phase III: NTU Master’s programme
School of Chemistry, Chemical Engineering & Biotechnology (CCEB)	<ul style="list-style-type: none">BSc (Chemistry and Biological Chemistry)	<ul style="list-style-type: none">MSc (Chemical Sciences and Instrumentation)

2.3 Prior to Phase II (at the end of Phase I), students are required to confirm their intended MSc programmes for the integrated programme enrolment, i.e., same major for both the bachelor’s and master’s degree programme. If a student wishes to pursue a MSc programme that is of a different major from their bachelor’s degree programme, they may do so by applying separately as per any prospective student applying to NTU.

2.4 The Final Year Project (the “FYP”) will be supervised by the staff member(s) in the School of Chemistry, Chemical Engineering & Biotechnology of NTU. At the end of the FYP, each Participating Student is required to submit his/her FYP report and pass the final oral examination based on the presentation of the FYP report.

- 2.5 NTU will assess the students' performances in their first year of study at NTU. Upon completion of the students' first year of study at NTU, NTU will send academic transcripts to SDU for the purpose of academic course credit transfer in partial fulfilment of the requirements for obtaining SDU's BEng or BSc degree. If students meet all the requirements set by SDU, these students will be awarded the BEng or BSc degree from SDU.
- 2.6 NTU retains final authority and control over matters relating to its MSc programmes, including the admission criteria, the academic content and the award of the MSc degree from NTU. Upon completing the one (1) year Master of Science (MSc) programme at NTU, if the Participating Students meet all the requirements set by NTU, these students will be awarded the MSc degree from NTU.

3. Conditions of Admission to the Programmes

Unless specifically waived by NTU in writing, the conditions of admission of a Participating Student into the programme listed in 2.2 shall include all of the following, which may be adjusted and reviewed by NTU from time to time:

- (i) All Participating Students must satisfy the academic requirements as stipulated by NTU, including GRE, TOEFL/IELTS, Technical Proficiency Test (TPT) and English Proficiency Test (EPT) scores, and pass an interview.
- (ii) Compliance with all of NTU's policies then prevailing, including NTU's policies on Intellectual Property, Technology Transfer and Research Collaborations.
- (iii) NTU's management has the sole discretion not to admit any Participating Student with or without reasons and its decision shall be final.

4. Fees

- 4.1 The tuition fees for Phase II (first year in NTU) are set at the prevailing rate established for non-subsidised students pursuing full time programmes within the offered BSc programmes (Lab Based). Further details are available at the following web link: <https://www.ntu.edu.sg/admissions/undergraduate/financial-matters/tuition-fees>. Additional fees are applicable if Participating Students read postgraduate (PG) course(s) during Phase II, which will be charged per AU. Students should inform School on their intention to read PG course(s), and School will assist students on registration and payment of fees.
- 4.2 Students enrolled into NTU will be required to pay a one-time non-refundable registration fee (inclusive of GST), an administration fee and miscellaneous fees. The miscellaneous fee covers part of the costs of providing [health insurance](#), student programmes and amenities, IT services, and academic-related services that are not covered by the tuition fee.
- 4.3 The use of non-academic or non-obligatory facilities, services and functions at the host university may require the payment of fees by the inbound Participating Student. Students may be required to pay additional fees at the host university where they enrol in a course unit that involves the use of specific materials. This includes, but is not limited to, laboratory

fees, and fieldwork courses. Where these additional fees are applicable, students will be required to pay these directly to the relevant Faculty/College.

- 4.4 The tuition fees for Phase III (second year in NTU) are set at the prevailing rate for international students (without Service obligation) by the respective schools. Students are also required to pay miscellaneous fees, which is set at the prevailing rate for Full Time students. The miscellaneous fee covers health service and student service fees. Further details are available at the following web link: <https://www.ntu.edu.sg/admissions/graduate/financialmatters/pgtuitionfees>.
- 4.5 Tuition fees are exclusive of travel expenses. Participating Students shall pay for their own travel expenses between their home country and Singapore and all their personal expenses during their course of study at NTU, including visa, housing, travel, meals, books and stationery required, etc.

5. Number of Participating Students

- 5.1 The number of students admitted to the Programme may be negotiated by the Parties on an annual basis and may be contingent upon the number of qualified applicants, the number of spaces available in the specified undergraduate or graduate programmes at either institution, or other considerations.
- 5.2 For the first semester of the Programme, beginning in Fall 2024, the institutions plan to admit up to ten (10) qualified SDU students for the CCEB programme.