



Graduation Requirements – NTHU CHEM

Applicable for students enrolled before September 2017

University	National Tsing Hua University
Department	Department of Chemistry
Duration	3-7 years
Minimum Credits	20 credits in total/30 credits in total for BSc students (Excluding Mandarin courses or <i>Dissertation/Thesis</i> credits).
Required Courses (17 units)	<ol style="list-style-type: none"> 1. Discussion in Advanced Chemical Biology (I) (4 credits) 2. Discussion in Advanced Chemical Biology (II) (3 credits) 3. Faculty Presentation: required in term 1 of the 1st academic year (1 credit) 4. Seminar: required for 4 semesters (4 credits in total) 5. Colloquium: required for 4 semesters/ 6 semesters for BSc students (no credits) 6. Teaching Practice: required for 1 semester of the 2nd academic year (1 credit) 7. Lab Rotation: register in term2 of the 1st academic year (2 credits) 8. Online Ethics Course: required for all <u>PhD students</u> enrolled <u>in and after 2015</u> and the course has to be taken and passed before the end of the 1st academic year. 9. Mandarin Class: required for international students or students whose first language is not Mandarin for 1 academic year. (6 credits, NOT counted towards the 20/30 credits).
Elective Specialised Courses (3 or 13 units)	<p>At least 12 credits must be in the CBMB field (24 credits for BSc students). I.e., take specialised elective course(s) to earn <u>3 more credits or 13 more credits</u>. Related courses taught in English offered by NTU, NTHU, CBMB, and other TIGP programmes are acceptable. The elective course list will be provided by the programme secretary when available.</p> <p>* Recommended Course : <i>Experimental Molecular Biophysics</i></p> <p>* Students should consult the CBMB office before taking non-TIGP electives.</p> <p>* The CBMB office has the authority to decide whether a course can be counted towards specialised course credits based on the programme policy.</p>
Regulations	<p>Cumulative Exam (CUME)</p> <p>Students can choose to take their QE at NTU or NTHU. Once the student takes the first exam in either of the system below, he or she cannot change to the other system to take further exams.</p> <ul style="list-style-type: none"> ◆ NTU system: Students should earn at least 2 points in the first year and 7 points in 4 years. Subjects to choose from: Organic Chemistry, Physical Chemistry, Inorganic Chemistry, Analytical Chemistry and Chemical Biology ◆ Students should pass the QE within 3 years of joining the Ph.D. programme. Students may choose any of the schemes (2-5) to pass the qualifying exam under VI of http://chem-en.web.nthu.edu.tw/files/15-1117-108242,c8557-1.php <p>Student will be granted Ph.D. candidacy after passing the cumulative exam and completing the credit and English requirements for graduation upon application.</p>

	<p>Annual Progress Report Requirement (except the year taking Pre-Oral)</p> <p>Students are required to hold an annual dissertation advisory committee meeting starting in the 3rd year of the programme. This report and any additional reports required by advisor(s) should be sent to the CBMB office by 31st May every year. The student is responsible for submitting this form or an explanation from the advisor by the deadline. All students are required to submit a self-evaluation form. Students do not need to submit a separate annual progress report during the year they hold a pre-oral evaluation.</p> <p>Pre-Oral</p> <p>Students should submit a dissertation proposal and invite the dissertation committee for a pre-oral meeting. The committee indicates approval of the dissertation proposal by providing signatures on the approval form. After completing the pre-oral, students should submit the CBMB progress report evaluation form, credit transcript, and an official academic transcript to the CBMB and NTHU CHEM offices. After completing the pre-oral, students may begin writing their dissertation.</p> <p>Oral Exam/Dissertation Defence</p> <p>Students can take the oral exam 1 year after passing the pre-oral. On applying for oral exam, students should submit an official academic transcript, article publication proof, a language certificate and an exam application form generated via NTHU website.</p> <p>The exam committee should consist of 5-9 professors (assistant professor and above, including dissertation advisor and co-advisor from student's registered university). The committee members will nominate the committee chair (cannot be the dissertation advisor). The committee will grade the candidates based on the dissertation content and oral exam performance. The minimum passing grade out of 100 is 70. However, the student does not pass if more than 1/3 (≥ 2 persons) of the examiners give a score lower than 70. Students will have one chance to retake the exam, which must be completed before the end of 7th academic year.</p>
<p>Other Graduation Requirements</p>	<p>Minimum Publication Requirements</p> <p>Students must publish SCI paper(s) as a first or second author; their advisor should be one of the corresponding authors. First author papers earn points equivalent to the impact factor; second author, 60% of the impact factor. Students must earn 3.0 points to graduate. The student should at least list his/her registered department and TIGP-CBMB as part of the affiliation in the publication(s).</p> <p>English Language Requirements</p> <p>Students must provide one of the following test results or take recommended English courses (3 credits) to fulfill the English requirement.</p> <ul style="list-style-type: none"> ◆ TOEFL: PBT – 550, CBT – 213, iBT – 79. IELTS: 6.0. GEPT: high-intermediate level. ◆ Recommended Courses: (a) Technical English Writing, (b) Training in English Speaking (I and II), (c) Listening and Writing, (d) Listening and Speaking, (e) Advanced English, (f) any course of similar level as those of (a) to (e)
<p>Safety Training</p>	<p>All students should attend safety training courses in accordance with the requirements set by their registered university and Academia Sinica. Please refer to the safety training regulations. Students who fail to provide safety training proof may be unable to graduate.</p>

