

Course Requirements for Doctoral Students of the Department of Chemical Engineering

1. Doctoral students should ensure that courses taken to fulfill the Ph.D. program's credit requirements have been reviewed, evaluated and approved by their advisors to ensure the appropriateness of course material. If a student has not yet decided on an advisor, she/he can have their courses approved by the Graduate advisor. This option is only available for a student's first semester.
2. **Once a dissertation advisor has been selected, students must submit a Plan of Study (POS) to the department office.** The advisor is responsible for organizing an advisory committee to approve the POS before it is submitted. Any changes made to the students' POS should be approved by the advisory committee.
3. The aforementioned advisory committee should be comprised of at least three experts from a related research field. Professors from the Department of Chemical Engineering of National Taiwan University of Science and Technology (NTUST) should be given priority as the committee members. The advisory committee plays an important role in research and course consultation.
4. In the students' POS, at least two courses must be designated as core courses. To achieve PhD candidacy, **students must achieve a passing grade and be in the top 60% of the class for each core course.**
5. **The core courses listed in a student's POS must belong to graduate courses offered by the Department of Chemical Engineering of NTUST. At least one course should be selected from:** (i) Transport Phenomena (I); (ii) Transport Phenomena (II); (iii) Advanced Chemical Engineering Thermodynamics; (iv) Advanced Kinetic Engineering; (v) Advanced Organic Chemistry; (vi) Advanced Inorganic Chemistry; (vii) Advanced Physical Chemistry or Advanced Analytical Chemistry. Any changes of designated core courses in a students' POS should be approved by their dissertation advisory committee.