

Operation Guidelines for Double Major of the Department of Computer Science and Information Engineering (CSIE) at National Taiwan Normal University (NTNU)

(Applicable since Academic Year 2021)

Revised and approved at the 2nd Course Committee Meeting in the 2nd Semester, Academic Year 2012 on Mar. 7, 2013

Approved at the 1st Department Faculty Meeting in the 2nd Semester, Academic Year 2012 on Mar. 14, 2013

Approved at the 3rd Academic Affairs Meeting in Academic Year 2012 on Mar. 27, 2013

Revised and approved at the 5th Course Committee Meeting in the Academic Year 2014 on Jun. 24, 2015

Revised and approved at the 5th Course Committee Meeting in the 2nd Semester, Academic Year 2018 on Jul. 16, 2019

Approved at the 1st Department Faculty Meeting in the 1st Semester, Academic Year 2019 on Oct. 4, 2019

Approved at the University Course Committee in the 2nd Semester, Academic Year 2020 on Apr. 21, 2021

1. The *Operation Guidelines* is formulated in accordance with the *Regulations Governing Double Major and Minor for Undergraduate Students of National Taiwan Normal University*.
2. For applying to the Department for taking it as the second major, the undergraduate students shall be in line with the regulations as specified in the *Regulations Governing Double Major and Minor for Undergraduate Students of National Taiwan Normal University*.
3. Students of each department may register for the Department as the second major of the double major program from the freshmen year to the senior year (excluding the extension of study period) in accordance with the school calendar and relevant regulations announced by the Office of Academic Affairs.
4. Students for double major should take the existing courses of the Department of Computer Science and Information Engineering together with other regular students, rather than taking separate courses during the semester when they are engaging in double major programs.
5. Students for double major are required to complete the courses of “Cross-field Professional Exploration Course” (2 credits), “Core and Required Courses” (27 credits), “Field Elective Courses” (21 credits), a total of 50 credits before they can obtain the dual degree.
 - (1) Cross-field Professional Exploration Course: “Computing Thinking and Programming” (2 credits).
 - (2) Required Courses: required course of Computer Science (15 credits) and Mathematics (12 credits), a total of 27 credits.
 - (3) Elective Courses: a total of five cross-field courses, at least 3 credits for each field, a total of 21 credits.
6. If there are the same or similar subjects in the student’s original department and in the Department under the double major program, such subjects can be taken into account of the credit requirement in the Department and in the original department concurrently after the approval by Course Committee of the Department; however, the field elective courses of the major are still required to make up for the credits.
7. For students who give up their double major program, the Department will handle the matters according to the *Operation Guidelines for Minor in the Department Computer Science and Information Engineering (CSIE) at National Taiwan Normal University (NTNU)*.
8. Students who are enrolled in the double-major courses of the Department without registration for the double major program shall apply for the qualification review of completing double major degree in accordance with the schedule announced by the Office of Academic Affairs in the semester of graduation if they have completed the prescribed courses and total credits.
9. The *Operation Guidelines* has been approved at the Faculty Meeting of the Department and submitted to the Office of Academic Affairs for approval before the announcement and implementation. The same applies to any amendments.