

Degree Requirements and Guidelines for Course Selection; Ph.D Program in Advanced Manufacturing Systems, National Chung Cheng University

Approved at the 1st meeting of the Curriculum Committee of the Advanced Institute of Manufacturing with High-Tech Innovations on September 20, 2016.
Approved at the 70th meeting of the Advanced Institute of Manufacturing with High-Tech Innovations on September 26, 2016.
Approved at the 8th meeting of the Curriculum Committee of the Advanced Institute of Manufacturing with High-Tech Innovations on September 23, 2019.
Approved at the 89th meeting of the Advanced Institute of Manufacturing with High-Tech Innovations on October 7, 2019
Approved at the 10th meeting of the Curriculum Committee of the Advanced Institute of Manufacturing with High-Tech Innovations on April 17, 2020.
Approved at the 92th meeting of the Advanced Institute of Manufacturing with High-Tech Innovations on June 30, 2020

I. Students enrolled in the Ph.D Program in Advanced Manufacturing Systems (hereafter “the Program”) must obtain 2 credits from seminar courses, and complete professional elective courses totaling a minimum of 18 credits. All the aforementioned course credits will not include dissertation credits.

II. The master students for the Direct Pursuit of PhD Degree shall complete the program’s 2-credit seminar (compulsory) and at least 30 credits of professional electives (including credits earned for the master’s degree) before applying for the degree examination. These credits shall not include those for completing the dissertation. The bachelor students for the Direct Pursuit of PhD Degree shall complete the program’s 2-credit seminar (compulsory) and at least 42 credits of professional electives (including credits earned for the bachelor’s degree) before applying for the degree examination. These credits shall exclude those for completing the dissertation.

III. Among the aforementioned 18 credits, Ph.D students must complete at least 12 elective credits in courses offered by the Program. Students are allowed to take elective courses offered by other departments or institutions to make up the remaining 6 or less credits.

IV. Prior to registering for elective courses offered by other departments or institutions, students of the Program must complete an application form stating their intended courses and submit the form, along with other required documents, for approval by the Curriculum Committee of the Program and the Program Director.

V. In accordance with the National Chung Cheng University Rules for Graduate Students regarding Academic Ethics and Integrity, all students who enrolled in and after the 2016 academic year must complete courses on academic ethics and integrity. Proof of completion of the courses must be submitted when applying for the degree examination.

VI. Students of the Program must pass the Qualifying Examination within four academic semesters after enrollment. Those who pass the exam are granted Ph.D candidacy.

VII. To sit for the Qualifying Examination, a student must orally present a dissertation proposal. The Qualifying Examination Committee will be organized in line with the student's research field. The committee consists of student's advisor (co-advisor), two or more professors/associate professors/assistant professors and one representative from industry. Student's advisor cannot be the chairman of the committee.

VIII. Students must pass the degree oral examination before graduation. The members' qualification for the committee of the oral examination is the same as that of qualifying examination committee. The qualification of a representative from industry as a member of the oral defense committee shall be determined by the program's academic affairs committee.

IX. In accordance with Provisions 5 and 11 of the Ministry of Education Operation Directions for Subsidizing the Cultivation of Doctoral R&D Talents Through Academia-Industry Collaboration, a termination mechanism has been established for this doctoral program. The students are required to abide by the following criteria; failure to meet any of the requirements shall result in the termination of studies.

(1) The students shall be full-time students holding no full-time job while participating in this program (including during summer and winter breaks).

(2) The students shall pass the corporate performance assessment every year.

(3) The students shall have acquired 20 credits (32 and 44 credits for the master students for the Direct Pursuit of PhD Degree and the bachelor students for the Direct Pursuit of PhD Degree, respectively) and passed the qualification examination by the end of the fourth semester into the program.

(4) The students shall have submitted one proposal one month prior to the end of the sixth semester into the program office (June 30 or December 31). The proposal should be related to critical industrial contribution or R&D achievement (e.g., a submission or acceptance certificate for technical report, patent, or Science Citation Index Journal paper) and passed related documentary reviews by the program's academic affairs committee. The proposal must be done

during AIM-HI PhD program and related to student's research and be published by the name of CCU or AIM-HI.

(5) The students shall have submitted critical industrial contribution or R&D achievement one month prior to the end of the eighth semester into the program office (June 30 or December 31). The critical industrial contribution or R&D achievement (e.g., acceptance certificate for technical report, patent, or Science Citation Index Journal paper) must be passed related documentary reviews by the program's academic affairs committee. The proposal must be done during AIM-HI PhD program and related to student's research and be published by the name of CCU or AIM-HI.

(6) The students shall participate in at least one collaboration with an enterprise (legal entity). The collaborating enterprise (or legal entity) shall appropriate a yearly installment of funding for the collaboration before the end of an academic year (July 31).

X. The students for the Direct Pursuit of PhD Degree shall only be allowed to suspend the study in this program and return to their original master's programs after completing at least one academic year in this program. The students, for the Direct Pursuit of PhD Degree, who have to suspend the study in this program for personal reasons, who fail to pass the qualification examination, or who fail to meet the criteria stipulated in Provision 9 shall, with the approval of the AIM-HI and the Principal, return to the original program or transfer to another relevant master's program. The suspension shall not be included in the students' record for the master's program.

(1) The bachelor students, for the Direct Pursuit of PhD Degree, who have completed one year in the program but have to suspend it are allowed to transfer to a master's program and start said program as a second-year student.

(2) The bachelor students, for the Direct Pursuit of PhD Degree, who have participated in this program but have to suspend it are allowed to return to their original master's programs and resume the study in said programs.

(3) Students in this program are only allowed to suspend the study in this program once in accordance with the conditions stipulated in preceding paragraphs. Such students are not allowed to apply for the Direct Pursuit of PhD Degree for a second time as a master's student; they shall complete the courses required by their master's programs, present a thesis, pass the master's degree examination, and receive a master's degree.