

Course List for Global Manufacturing Program and THU-Polimi Dual Degree Program

Department of Industrial Engineering, Tsinghua University

(English Version for reference only)

I. Credit requirements and curriculum

Students must accomplish at least 25 credits in total for their master programs during the study period, including 5 credits for public compulsory courses, 2 credits for compulsory activities, and 15 credits for compulsory courses, limited optional courses and 2 credits optional courses.

i. Courses and activities (≥ 25 credits)

Note: “√” represents any of the compulsory and optional courses courses on the left (if without special remarks) as **REQUIRED**; “—” represents the courses as **NOT REQUIRED** on the left.

No.	Course	Credits	Semester	Total ≥ 25 credits
Public compulsory courses				5 credits
60680021	Dialectics of Nature	1	Autumn	International Students: — Hong Kong, Macao & Taiwan students: √ ¹
60680012	A Study of the Theory and Practice of Socialism with Chinese Characteristics	2	Autumn	
64203012	English (Master)	2		
64203022	Elementary Chinese B	2		International Students: √ ² Hong Kong, Macao & Taiwan students: —
64203032	Pre-intermediate Chinese A	2		
64203042	Pre-intermediate Chinese B	2		
64203052	Intermediate Chinese	2		
64203062	Upper Intermediate	2		

¹ Course No. 60680021 and 60680012 could be substituted by any of the courses listed in Course group No.: 00000007 in the Graduate Handbook (and select other Optional courses in our Education Plan if you still cannot meet the basic requirement of Public compulsory courses).

² Select at least one of these as degree course from Course Group No.: 00000002. Qualified students may apply for exemption with credits. The exemption of such course may be applied for as per the exemption conditions and methods provided in the Graduate Handbook.

	Chinese			
64203072	Advanced Chinese	2		
60610082	Chinese Culture and Society	2		√ ³
Compulsory activities				2 credits
69990021	Literature Review and Topic Selection Report	1		√
69990031	Academic Activities ⁴	1		
60160050 60160060 60160070 60160080	Thesis Study (1-4) ⁵	0	Spring/ Autumn	
Compulsory courses and limited optional courses				
80160393	Quantitative Analysis	3	Autumn	√
70160513	Decision Making	3	Autumn	
80160523	Chinese Industry Studies: Advanced Manufacturing and Contemporary Service	3	Autumn	
70160613	Ergonomics	3	Autumn	optional courses: ≧ 6 credits
70160033	Production Management	3	Spring	
80160223	Logistics and Supply Chain Management	3	Spring	
Optional courses				≧ 2
70160023	Quality Engineering	3	Autumn	optional courses: to select to meet the

³ Belongs to the Course Group No.: 00000007 (Understanding China Courses). Students could also select the other courses listed in this Course group (and select other Optional courses in our Educational Plan if you still cannot meet the basic requirement of Public compulsory courses).

⁴ Students should take part in at least 10 academic lectures and keep attendance record.

⁵ In order to ensure the quality of master thesis research, all graduate students should study this series courses from grade two until graduation or the end of normal school years. Prior to the end of each semester, thesis supervisors should evaluate the progress of the student thesis research work and submit it to the Teaching Affairs Office. The Teaching Committee will evaluate and confirm the grades of Thesis Study based on the feedback of supervisors ("Pass" or "Fail"). Students who fail to pass two courses will be dealt with as per the Postgraduate Student Status Management Regulations. Students who fail to pass one course before graduation thesis defense could submit the application for the re-confirmation of the grades of Thesis Study and may have their unsatisfactory grades modified to "Retake and Pass", subject to agreement by supervisors with signing and approval by the Teaching Committee.

80160363	Engineering and Technology Management	3	Spring	basic requirement of total credits.
80160283	Systematic Product Design and Development	3	Autumn	
	Extended Scope Courses			Extended scope courses are provided to encourage master students to opt for courses in relation to their studies from other courses of the department or from the core courses of other departments. Such courses may substitute limited optional courses or optional courses subject to approval by supervisors or the teaching director. No more than 6 credits.
Intercollegiate Exchange and Mutual Recognition Courses				≧ 0 credit
Attendance in cooperative exchange projects approved by Tsinghua University for recognized courses				Credits may be accomplished subject to confirmation by the teaching director
Academic and professional quality course				≧ 0 credit
60160021	Industrial Engineering Ethics	1	Spring/ Autumn	optional