

Master's Program Curriculum – Graduate Institute of Rehabilitation Science, Chang Gung University
(For students admitted in Fall, 2025)

Core Area	Required /Elective	Course	Credit	Year	1 st semester	2 nd semester	Core Area	Required /Elective	Course	Credit	Year	1 st semester	2 nd semester
	R	Research Methods	3	1		v		E	Neurodevelopment and early Intervention	2	1	v	
	R	Seminar(I)	1		v			E	Biomedical Instrumentation (for MS and PhD)	3		v	
	R	Current Research in Rehabilitation Science	2			v		E	Topics of Biomechanics in Rehabilitation Science	3		v	
	R	Advanced Statistics	3		v			E	Applied Physiology (for MS and PhD)	3		v	
	R	Seminar(II)	1			v		E	Independent Study (I)(for MS and PhD)	1		v	
	R	Scientific Writing	0	2	v	v		E	Scientific Assessment of Rehabilitation	2			v
								E	Research Topics in Geriatrics and Long-term care (for MS and PhD)	3			v
								E	Advanced Clinical Practicum in Rehabilitation Science	1		v	
								E	Advanced Clinical Practicum in Rehabilitation Science	1			v
								E	Analysis of Scientific Literature	1		v	v
								E	Advanced Topics in Motor Control (for MS and PhD)	3		v	
								E	Sensory Motor Analysis in Health and Disease (for MS and PhD)	3		v	
								E	Design-and-Manufacturing of Ankle-Foot Orthotics	2			v
								E	Independent Study (II)	1			v
								E	Research on Sport Sciences (for MS and PhD)	3			v
								E	Decision-making for clinical professions in rehabilitation science (for MS and PhD)	3			v
								E	Advanced Clinical Reasoning in Pediatric Physical Therapy	1			v
								E	Respiration and Circulation (for MS and PhD)	3			v
								E	Design-and-Manufacturing of Foot Orthotics	2	2	v	
								E	Design Thinking in Health Care	2			v
								E	Independent Study (III)	1		v	
								E	Seminar(III)	1		v	
								E	Seminar(IV)	1			v
								E	Independent Study (IV)	1			v
								E	Biomedical Signal Analysis (for MS and PhD)	3		v	
								E	Long term care service model and policy	3		v	
								E	Health industry forum	1			v

備註

1. Graduation Credits: 30 credits.
 - (1) Required courses: 10 credits.
 - (2) Elective courses: 14 credits (credits from outside departments can be counted as elective credits).
 - (3) Thesis: 6 credits (awarded after passing the degree examination and submitting a thesis that meets the approval requirements).
2. English Graduation Requirement: Students must meet the English proficiency requirement to graduate, which consists of the following two parts:
 - (一) 「Evaluation of English presentation in seminar」: Second-year master's students are required to give an English oral report in the seminar course, and the instructor will evaluate the content of the student's presentation.
 - (二) 「Evaluation of expression in English」: Choose one of the following:
 - (1). English oral communication evaluation: First- or second-year students must give an English oral report in the seminar course. The instructor will assess the student's English communication skills based on three criteria: Topic Development, Delivery, and Language Use. If the student fails to meet the passing threshold (graded on a 5-point scale, with a passing score of 3), they must give another report. Students wishing to take this evaluation must apply to the teaching assistant in advance and record their presentation on the day of the oral report.
 - (2). English proficiency test: Passing one of the following tests is acceptable:
 - a. Passing the intermediate-high level of the General English Proficiency Test (GEPT).
 - b. TOEFL score of 510 or above.
 - c. Computer-based TOEFL score of 181 or above, or Internet-based TOEFL score of 65 or above.
 - d. Foreign Language Proficiency Test (FLPT-English) with a speaking score of S-2 or above.
 - e. IELTS score of 5.5 or above.
 - f. TOEIC score of 630 or above.
 - g. Passing the EnglishScore (British Council) Core Skills Test at B2 or above.
3. Elective Courses: 「Advanced Topics in Motor Control」 is co-taught by Professor Lien Heng-Yu from the School of Physical Therapy and Professor Wu Ching-Yi from the Department of Occupational Therapy.
4. 「Research on Sport Sciences」 is offered every other year, in odd-numbered academic years. 「Respiration and Circulation」 is offered every other year, in even-numbered academic years.
- a 「Applied Physiology」 is offered every other year, in odd-numbered academic years. 「Biomedical methodology」 is offered every other year, in even-numbered academic years.
- b 「Biomedical Instrumentation」 is offered every other year, in odd-numbered academic years. 「Sensory Motor Analysis in Health and Disease」 is offered every other year, in even-numbered academic years.
5. If a first-year student does not pass the required course "Research Methodology" in the second semester, they can retake "Research Methods" offered by the master program of Graduate Institute of Early Intervention in the first semester of the second year as a substitute.
6. For required courses that are not taught in English, international students may substitute them as follows:
 - (1) Advanced Statistics (3 credits) — replace with one of the following:
 - Applied Statistics from the master's program in professional colleges
 - Applied Multivariate Analysis from the master's program in Information Management.
 - (2) Research Methodology (3 credits) — replace with one of the following courses, plus an additional Independent Study (1 credit):
 - Research Design (for MS and PhD)
 - Research Methodology and Thesis Writing from the master's program in Graduate of Dental and Craniofacial Science.