

Curriculum and Requirements

Graduate School of Comprehensive Human Sciences, Degree Programs in Comprehensive Human Sciences Doctoral Program in Medical Sciences

Subject Area 科目区分	Subject Area 科目群等	Requirements and Subjects 条件又は科目名等	Credits 修得単位数
医学関連科目 Subjects in Medical Sciences	基礎科目 Foundation Subjects	Compulsory: Introduction to Medical Research 必修「医学研究概論」	1
		Compulsory: Seminar in Medical Sciences 必修「医学セミナー」	3
		Compulsory: Special Studies on Medical Sciences 必修「医学特殊研究」	2
		Compulsory: Special Practice in Medical Sciences 必修「医学特別演習」	5
		Elective 選択	
	専門科目 Specialized Subjects	Compulsory: Lectures in Comprehensive Medical Sciences 必修「統合医学研究特論」	2
		Elective: Molecular Medical Sciences 選択「分子医科学分野」(*4)	~12
		Elective: Human Medical Biology 選択「システム統御医学分野」(*4)	~12
		Elective: Genome and Environmental Medicine 選択「ゲノム環境医学分野」(*4)	~12
		Elective: Medical Science of Sleep 選択「睡眠医科学分野」(*4)	~12
		Elective: Clinical Pathophysiology 選択「臨床病態解明学分野」(*4)	~12
		Elective: Surgery 選択「臨床外科学分野」(*4)	~12
		Elective: Internal Medicine 選択「臨床内科学分野」(*4)	~12
		Elective: Social Medicine 選択「社会医学分野」(*4)	~12
		Elective 選択	
Credits for Completion 修了単位数			30

【Completion Requirements】

- ① Publish at least one English-language original research article^{*1} in a peer-reviewed academic journal as the first author.
- ② Earn 30 or more credits by registering for Compulsory and Elective subjects^{*2} designated in Doctoral Program in Medical Sciences.
- ③ Pass the mid-term evaluation^{*3}.
- ④ Pass the dissertation defense.
- ⑤ Enroll for 4 years. Students who are judged to have made exceptional achievement may be eligible for early completion after 3 years of enrollment.

*1 Case reports and brief letters are typically not regarded as original research articles. Research papers already published before enrollment in the doctoral program may not be used to fulfill this requirement. The paper(s) to fulfill this requirement should be published or accepted for publication by the time to submit the final version of doctoral dissertation.

*2 It is recommended to fulfill this requirement by the end of the second year.

*3 It is recommended to take the mid-term evaluation in the first half of the third year. Those who could not fulfill ② by the end of the second year would take the mid-term evaluation later.

【Model for Registration】

Earn 30 credits or more by the end of second year, by registering following subjects.

- i) 13 credits from Compulsory Subjects.
- ii) 17 credits from Elective Subjects (shaded). It is strongly recommended to take Lecture/Seminar I and II, and also Practice I and II in the research area which your supervisor is in charge. (up to 12 credits in total).
- iii) In addition to i) and ii), up to 25 credits, take five or more credits by registering for Elective subjects, and earn 30 credits or more in total, but not more than 50 credits.
- iv) As an example of iii), E-learning lectures from "Kanto Academic Alliance Program for Fostering Cancer Professionals", Compulsory Subjects (8 credits), General subjects for each course (1 credit or more) and Elective Compulsory subjects (4 credits or more) can be included (13 credits or more in total). Note that these subjects should be taken as a set. Registration for individual subjects is not acceptable. If a student earns 25 credits from i) and ii), the number of credits to earn would be 38 credits or more with registration of Ganpro Cancer Program.
- v) Interdisciplinary Foundation Courses/ Graduate General Education Courses may be included, preferably 2 credits, maximumly 3 credits, as Elective subjects described in iii).