

生物醫學工程學系 碩士班

113 學年度

最低修業年限	兩個學期
應修學分數	24
應修(應選)課程及符合畢業資格之修課相關規定	(一) 醫學工程專題討論：在學期間每學期必修或修滿四學期始得畢業，但不計入畢業學分。 (二) 生命科學相關課程： 1. 大學未曾修過「生理學」(3 學分以上)，生理學為必選課程。 2. 若大學曾修過「生理學」(3 學分以上)，須於新生報到時向系上提出申請，經核可得免修。 (三) 數學相關課程： 1. 大學未曾修過「工程數學」(3 學分以上)，或高於微積分之進階數學課程(3 學分以上)，工程數學為必選課程。 2. 若大學曾修過「工程數學」(3 學分以上)，或高於微積分之進階數學課程(3 學分以上)，須於新生報到時向系上提出申請，經核可得免修。 (四) 須修讀主要指導教授所屬研究領域組別課程至少 9 學分。 (五) 除醫、牙學系畢業學生外，所有學生必選「臨床工程實務」課程。 (六) 必須選修「醫學工程概論」課程，不及格者重修。 (七) 所有學生在畢業前，需於學位考舉行前一學期，針對論文研究進度，於專題討論課程進行一次報告，未通過報告者，不得進行學位口試。若學生更換指導教授且指導教授所屬研究領域與學生入學前報名考試的組別不同，需於正式更換指導教授一年後再次於專題討論課程進行一次報告。 (八) 列入畢業學分之科目以本系公告為原則，其餘科目應於修課前向系上提出申請且須經學術暨課程委員會認定始得以列入畢業學分。

Department of Biomedical Engineering Master Program

Academic Year 2024-2025

Mini. Term of Study	two semesters
Minimum Credits	24
Curriculum and Regulations	For local and overseas Chinese student: I. Students must take seminar course during the study period at least four semesters, but the credits of seminar course cannot be counted into credits requirement for graduation. II. Students who have gotten credits of “Physiology” (more than 3 credits) during college can apply for waiving life science course on freshman registration day, otherwise they have to take “Physiology” course. III. Students who have gotten credits of “Engineering Mathematics” or other similar mathematical course (more than 3 credits) during college can apply for waiving mathematical course on freshman registration day, otherwise they have to take “Engineering Mathematics” course. IV. Students must get at least 9 credits in the major field designated by their advising professor. V. All students must take “Workshop in Clinical Engineering” course except students graduated from school of medicine or school of dentistry. VI. All students must get the credits of “Introduction to Biomedical Engineering” course. VII. All students must present their research progress on seminar course one time, otherwise they will be disqualified from applying oral examination for master degree. If a student change his/her advisor to a new professor whose major field is different from the chosen field by this student when he/she applied to our institute, this student must present his/her research progress on seminar course again one year after he/she formally changed his/her advisor to the new professor. VIII. Students should submit course application before choosing courses in other departments. Course and Academic Committee will recognize whether the credits of courses in other departments can be counted into credits requirement for graduation or not. -----

	For international students: I. Graduate students must enroll for at least 24 graduate credits as part of the master's degree requirements, with the course selection plans approved by their thesis advisor from the Department of Biomedical Engineering. II. A minimum of 12 credits must be obtained by taking the English as a Medium of Instruction (EMI) Courses offered by the Department of Biomedical Engineering. The rest of the credits may be obtained by taking graduate-level courses offered by any academic unit of NYCU.
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