

## 微生物及免疫學研究所碩士班

111 學年度

最低修業年限	一年
應修學分數	至少應修畢 24 學分，其中包含本所訂定之必修科目
應修(應選)課程及符合畢業資格之修課相關規定	<p><b>本國生</b></p> <p><b>一般生</b></p> <p><b>必修課程</b></p> <p>①下列 a、b、c、d 必修課程四選三：</p> <p>a.高等微生物及免疫學通論-免疫學(2 學分)或免疫學(全英語)(2 學分)(中、英文版二擇一)</p> <p>b.高等微生物及免疫學通論-病毒學(2 學分)或病毒學(全英語)(2 學分)(中、英文版二擇一)、</p> <p>c.高等微生物及免疫學通論-細菌學(2 學分)或細菌學(全英語)(2 學分)(中、英文版二擇一)</p> <p>註：上述abc的中、英文版請擇一選修，若中、英二版都選修，其中一門不能計入畢業學分內。</p> <p>d.現代生物學研究方法(2 學分)</p> <p>②學術研究倫理(0 學分)</p> <p><b>必選課程</b></p> <p>①需選修「微生物與免疫學專題討論」(2 學分)，共需修 4 次，於修業期間內完成，且兩學年內至少必選一次「微生物與免疫學專題討論」(全英語)(2 學分)課程作為畢業門檻。</p> <p>②自一年級第二學期起每學期必選修「微生物與免疫學研究」(2 學分)。</p> <p>③碩一生必選「生命科學院-生物醫學講座」(1 學分)，至少兩學期。</p> <p><b>醫師科學家組</b></p> <p><b>必修課程</b></p> <p>①下列 a、b、c 必修課程三選一：</p> <p>a.高等微生物及免疫學通論-免疫學(2 學分)或免疫學(全英語)(2 學分)(中、英文版二擇一)</p> <p>b.高等微生物及免疫學通論-病毒學(2 學分)或病毒學(全英語)(2 學分)(中、英文版二擇一)、</p> <p>c.高等微生物及免疫學通論-細菌學(2 學分)或細菌學(全英語)(2 學分)(中、英文版二擇一)</p> <p>註：上述abc的中、英文版請擇一選修，若中、英二版都選修，其中一門不能計入畢業學分內。</p> <p>②醫師科學家碩士專題研究(三)(3 學分)</p> <p>③醫師科學家碩士專題研究(四)(3 學分)</p> <p>④學術研究倫理(0 學分)</p> <p><b>必選課程</b></p> <p>①必選修「微生物與免疫學專題討論」(2 學分)，共需修 2 次，於修業期間內完成，且至少必選一次「微生物與免疫學專題討論」(全英語)(2 學分)課程作為畢業門檻。</p> <p><b>外籍生</b></p> <p><b>必修課程：</b></p>

	<p>①下列 a、b、c 必修課程三選二：</p> <p>a.免疫學(全英語)(2 學分)</p> <p>b.病毒學(全英語)(2 學分)</p> <p>c.細菌學(全英語)(2 學分)</p> <p>d.現代生物學研究方法(中文版)(2 學分)、生醫科學實驗技術(英文版)(2 學分), 二選一</p> <p>③學術研究倫理，0 學分</p> <p><b>必選課程：</b></p> <p>①必選修「微生物與免疫學專題討論」(全英語)(2 學分)，共需修 4 次，於修業期間內完成。</p> <p>②自一年級第二學期起每學期必選修「微生物與免疫學研究」(2 學分)。</p>
備註	

# Institute of Microbiology & Immunology Master Program

Academic Year 2022

Mini. Term of Study	One year
Minimum Credits	To obtain the degree, students must complete at least twenty-four credits, including all required courses.
Curriculum and Regulations	<p><b><u>Native students</u></b></p> <p><b>General students</b></p> <p><b>Required courses:</b></p> <p>① Among the following courses: a, b, c and d. Please choose at least three.</p> <p>a. “Immunology” (2 credits), or “Immunology (in English)” (2 credits), choose one.</p> <p>b. “Virology” (2 credits), or “Virology (in English)” (2 credits), choose one.</p> <p>c. “Bacteriology” (2 credits) or “Bacteriology (in English)” (2 credits), choose one.</p> <p>Note: Among the above courses: a, b, and c, please choose between Chinese class or English class; if choosing both Chinese and English classes, the credit of one class cannot be added in the total required credits for graduation.</p> <p>d. “Research Methods for Modern Microbiology &amp; Immunology” (2 credits)</p> <p>② “Research ethics” course (0 credit)</p> <p><b>Required elective courses:</b></p> <p>① Master's degree students need to take the " Microbiology and Immunology Seminar " (2 credits), 4 times in total, to be completed within the study period, and within two years, native students group A and B must enroll in one time of the course “Microbiology and Immunology Seminar (in English)” (2 credits), as a requirement for graduation.</p> <p>② After choosing the experimental lab, except the first semester of the first year, Master students must enroll in the course “Microbiology and Immunology Research Progress Report” every semester.</p> <p>③ 1st year Master students must choose “School of Life Sciences - Biomedical Lecture” (1 credit), at least in 2 semesters.</p> <p><b>Medical students</b></p> <p><b>Required courses:</b></p> <p>① Among the following courses: a, b and c, please choose one.</p> <p>a. “Immunology” (2 credits), or “Immunology (in English)” (2 credits), choose one.</p> <p>b. “Virology” (2 credits), or “Virology (in English)” (2 credits), choose one.</p> <p>c. “Bacteriology” (2 credits) or “Bacteriology (in English)” (2 credits), choose one.</p> <p>Note: Among the above courses: a, b, and c, please choose between Chinese class or English class; if choosing both Chinese and English classes, the credit of one class cannot be added in the total required credits for graduation.</p> <p>② “Medical students Master Research Progress Report (3)” (3 credits) (First semester).</p> <p>③ “Master Research Progress Report (4)” (3 credits) (Second semester).</p> <p>④ “Research ethics” course (0 credit)</p> <p><b>Required elective courses:</b></p> <p>① Master's degree students need to take the " Microbiology and Immunology Seminar" (2 credits), 4 times in total, to be completed within the study period, and within two years, native students group A and B must enroll in one time of the course “Microbiology and Immunology Seminar (in English)” (2 credits), as a requirement for graduation.</p> <p><b><u>International students</u></b></p>

**Required courses:**

① Among the following courses: a, b, c, and d, please choose at least three.

a. “Immunology (in English)” (2 credits),

b. “Virology (in English)” (2 credits),

c. “Bacteriology (in English)” (2 credits)

d. “Research Methods for Modern Microbiology & Immunology” (in Chinese) (2 credits) or “Experimental techniques for biomedical science(in English)” (2 credits), choose one.

② “Research ethics” course (0 credit)

**Required elective courses:**

① Master's degree students need to take the " Microbiology and Immunology Seminar (in English) " (2 credits), 4 times in total, to be completed within the study period.

② After choosing the experimental lab, except the first semester of the first year, Master students must enroll in the course “Microbiology and Immunology Research Progress Report” every semester.