

## 環境與職業衛生研究所博士班

110 學年度

最低修業年限	2 年
應修學分數	18 學分 (不包含論文)
逕博應修學分數	30 學分 (不包含論文)
應修 (應選) 課程及符合畢業資格之修課相關規定	<p>博士班修業期限以二至七年為限，至少應修畢十八學分，其中包含本所訂定之必修科目學分；逕修讀博士學位研究生至少應修畢卅學分。博士班研究生論文學分另計。研究生重考或重新申請入學，或依照法令規定在本所先修讀學分後考取修讀學位之研究生，經所務會議同意後，得依本所之規定申請抵免學分，且最多可抵免六學分。</p> <p>(一)必修科目： 環境衛生特論 2 學分、職業衛生特論 2 學分、環境職業流行病學特論 2 學分及學術研究倫理課程 0 學分，共 6 學分</p> <p>(二)基礎能力科目： 必選修之基礎能力科目，不計入畢業學分。如已修過其他校系所碩士班之相關科目，須經本所授課教師同意後，方能申請免修。本校逕修讀博士學位研究生若於碩士班期間修讀基礎能力科目，可計入畢業學分。基礎能力科目詳列如下： (1)環境衛生學 2 學分 (2)職業衛生學(或工業衛生) 2 學分 (3)流行病學原理(2 學分) 或 流行病學方法 (3 學分) 至少 2 學分 (4)生物統計學(2 學分)或 生物統計方法(3 學分) 至少 2 學分</p> <p>(三)必選修科目：於下列 3 大領域中必須選修至少 2 個領域共 3 門課程： (1)<u>領域 1-認知危害</u>：分子毒理學、新興毒物評估； (2)<u>領域 2-評估危害</u>：進階統計模式與資料分析、健康風險評估、進階流行病學研究設計、暴露評估； (3)<u>領域 3-控制危害</u>：病媒管制研究設計、人因工程、環境變遷與公害防治課程。</p>

# Institute of Environmental and Occupational Health

## Sciences of Ph. D. Program

Academic Year 2021

Minimum Study Period	2 Years
Minimum Credits	18 credits (exclusive of thesis writing)
Minimum Credits for Direct Admission to Doctoral Program	30 credits (exclusive thesis writing)
Curriculum and Regulations	<p>The normal period of doctoral study ranges from 2-7 years. At least 18 credits (exclusive of thesis writing) must be completed for a normal PhD student; and at least 30 credits (exclusive of thesis writing) must be completed for a Ph.D. student with direct admission to doctoral program. The thesis credits for doctoral students will be calculated separately. Those who retake the program, re-apply for admission, or temporarily leave can apply for credit waiver. Maximum of six credits can be waived.</p> <p>(1) Compulsory subjects (total 6 credits):</p> <ol style="list-style-type: none"> <li>a. Special Topic of Environmental Health (2 credits),</li> <li>b. Special Topic of Occupational Health (2 credits),</li> <li>c. Special Topic of Environmental and Occupational Epidemiology (2 credits)</li> <li>d. Academic research ethics courses (0 credit)</li> </ol> <p>(2) Background subjects: Compulsory background subjects are not counted as graduation credits. If the students have taken the relevant subjects from master's program in other schools, they must obtain the consent of the instructor of the Institute of Environmental and Occupational Health Sciences before applying for exemption. Students with direct admission to doctoral program who have taken compulsory background subjects during their master's class can be counted as graduation credits. The compulsory background subjects are listed as follows:</p> <ol style="list-style-type: none"> <li>a. Environmental Health (2 credits)</li> <li>b. Occupational Health (or Industrial Health) (2 credits)</li> <li>c. Principles of Epidemiology (2 credits) or Methods of Epidemiology (3 credits): at least 2 credits</li> <li>d. Biostatistics (2 credits) or Biometric Methods (3 credits): at least 2 credits</li> </ol> <p>(3) At least three courses from two of the following three fields:</p> <ol style="list-style-type: none"> <li>a. <b>Hazard Identification</b> – Molecular Toxicology, Evaluation of Emerging Toxicants</li> <li>b. <b>Hazard Evaluation</b> – Advanced Biostatistic Modelling and Data Analysis, Health Risk Assessment, Advanced Epidemiologic Study Design, Exposure Assessment;</li> <li><b>Hazard Control</b> – Study Design on Pest Control, Ergonomics, Environment Change and Pollution Control.</li> </ol>