

# 環境工程研究所碩士班

111 學年度

最低修業年限	一般生一年 在職生三年
應修學分數	24 學分
應修(應選)課程及符合畢業資格之修課相關規定	<ol style="list-style-type: none"> <li>1.每學期必選專題討論，至少四學期(提早畢業與申請雙聯學位者除外)，若因故未能於畢業前修滿四學期的專題討論，得與其指導教授討論，於暑假時加選個別研究。</li> <li>2.需修滿 24 學分(不含專題討論)，其中最少包括本所修讀的 18 學分，始予畢業。非環工領域學生，十八學分中需含「環境工程」課程三學分。</li> <li>3.選修所外科目如要計入畢業學分數，需經過指導教授認可(語文相關課程一律不計)。</li> <li>4.修本所個別研究課程之外籍生，得免修本所專題討論課程。</li> <li>5.學生於入學第一學期結束前，至「臺灣學術倫理教育資源中心」與「陽明交通大學性平等教育線上訓練課程」平台修習學術倫理與性別平等課程，並於申請學位考試前通過課程總測驗。</li> <li>6.本校與境外大學辦理雙聯學制所屬碩士班研究生於境外大學修習及格之科目及學分，得依本校「學生抵免學分辦法」申請抵免。</li> </ol>

## Institute of Environmental Engineering Course Requirements for *Master's* Students Academic Year 2022

Min. Study Period	1 Year for General Students, 3 Years for Management Students
Credits Required	24 Credits
Required (Selective) Courses and Relevant Course Rules for Graduation	<ol style="list-style-type: none"> <li>1.Special Topics Seminars must be selected during at least 4 semesters (unless students graduate early).</li> <li>2.A total of 24 credits are required (excluding Special Topics Seminars) for graduation, including at least 18 credits from courses of this institute (3 credits from Sustainable Environmental Technology Division, Management Graduate Program of College of Engineering may be included).</li> <li>3.Credits from selective courses may be included into credits for graduation upon advisor's approval (language related courses may not be included).</li> <li>4.For foreign students in <u>Independent Research</u> class, <u>Special Topic Seminars</u> of our institute may be waived.</li> <li>5.Master students have to take the courses in the fields of academic ethics and gender equity on the platforms of the "Center for Taiwan Academic Research Ethics Education" and "Online Training Courses of Gender Equity Education at NCTU" before the end of the first semester since their admission. They must pass the general tests of these courses before they apply for a degree examination.</li> <li>6.Master students from the dual degree programs offered jointly by NCTU and foreign universities/colleges can apply for a credit waiver/transfer for their courses taken and passed or credits acquired in a foreign university/college according to "National Chiao Tung University Credit Transfer Regulations."</li> </ol>

# 環境工程研究所博士班

111 學年度

最低修業年限	一般生二年 在職生三年
應修學分數	18 學分(碩士修讀在職專班學位之學生，其博士學位之修課學分數為 24 學分)
逕博應修學分數	33 學分(可扣除碩士期間已修學分數，最多以扣除 24 學分為限)
應修(應選)課程及符合畢業資格之修課相關規定	<p>一、畢業學分</p> <p>1. 修滿應修學分：</p> <p>(1) 具碩士學位者 18 學分，必須含本所課程 9 學分，非環工相關之碩士學位者須另修本所「環境工程」課程(本所共十二學分)及修滿四學期之專題討論課程。</p> <p>(2) 逕讀博士學位者之應修學分數為 33 學分(可扣除碩士期間已修學分數，以扣除 24 學分為限)，及修滿六學期(含碩士期間已修學期數)之專題討論課程。</p> <p>(3) 修本所個別研究課程之外籍生，得免修本所專題討論課程。</p> <p>(4) 本校與境外大學辦理雙聯學制所屬博士班研究生應修滿十二學分，其中三分之一應修滿畢業學分須於本校完成，及至少修滿四學期之專題討論(或個別研究)課程，於境外大學修習及格之科目及學分，得依本校「學生抵免學分辦法」申請抵免。</p> <p>2. 選修所外課程如要計入畢業學分，需經過指導教授認可，至多為12學分。</p> <p>3. 學生於入學第一學期結束前，至「臺灣學術倫理教育資源中心」平台與「陽明交通大學性別平等教育線上訓練課程」平台修習學術倫理與性別平等課程，並於申請學位考試前通過課程總測驗。</p> <p>4. 博士班研究生因故離校未超過二年者，經入學考試重新入學時，其先前在本所修習之課程及完成之論文，在未改變研究專長時，經確認得予以承認；曾通過資格考試者，得免予資格考筆試，僅再通過資格考的口試即可。本項學分抵免以一次為限。</p> <p>5. 已發表或已取得接受文件的SCI期刊論文，或已發表或已取得接受文件的有審查制度之非SCI學術期刊論文。專利視同為有審查制度之非SCI學術期刊論文，但至多採計一篇。發表之論文須符合下列兩項中之任一項：</p> <p>(1) SCI期刊論文二篇，其中至少一篇為第一作者。</p> <p>(2) 為第一作者的SCI期刊論文一篇及有審查制度之非SCI學術期刊論文二篇。</p> <p>以上論文需以本校名義並與指導教授共同發表。</p> <p>108學年度起舉行博士學位考試之學生應完成「論文寫作原創性比對」，供學位考試委員參考。</p>

## Institute of Environmental Engineering Course Requirements for Ph.D. Students Academic Year 2022

Minimum Study Period	2 Years for General Students, 3 Years for Management Students
No. of Credits Required	18 credits (for EMBA students, 24 credits are required for Ph.D. degree)
No. of Credits Required for Ph.D. Students from Master's Program without Examination	33 credits (credits acquired under Master's program may be deducted up to 24 credits)
Required (Selective) Courses and Relevant Course Rules for Graduation	<p>Credits required for graduation:</p> <p>1. The credits required for graduation must be completed.</p> <p>(1) PhD candidates with a master's degree have to complete 18 credits. However, for PhD candidates whose master's degrees are not related to environmental engineering, at least nine of their required 18 credits have to be completed in</p>

the Institute of Environmental Engineering at NCTU, and the course “Seminar” has to be completed for four semesters.

- (2) Students who directly entered the PhD program without going through the entrance examination have to acquire 33 credits in total (the credits completed in the master’s program can be transferred, and 24 of those credits are transferable) and complete the course “Seminar” for six semesters (including the semesters from their master’s program).
  - (3) Foreign students who took the course “Independent Study” can apply for the exemption from taking the course of “Seminar” provided by the Institute of Environmental Engineering at NCTU.
  - (4) PhD students from the dual degree programs offered jointly by NCTU and foreign universities/colleges can apply for a credit waiver/transfer for their courses taken and passed or credits acquired in a foreign university/college according to “National Chiao Tung University Credit Transfer Regulations.”
2. If any students have taken any courses at any graduate institutes other than the Institute of Environmental Engineering at NCTU, the students must acquire their advisors’ approval to include the credits of those courses in the credits required for graduation. At most 12 credits of those courses can be included in the credits required for graduation.
  3. PhD students have to take the courses in the fields of academic ethics and gender equity on the platforms of the “Center for Taiwan Academic Research Ethics Education” and “Online Training Courses of Gender Equity Education at NCTU” before the end of the first semester since their admission. They must pass the general tests of these courses before they apply for a degree examination.
  4. When a PhD student passes the entrance examination of the PhD program of the Institute of Environmental Engineering at NCTU and is re-enrolled by this PhD program after he or she has withdrawn from NCTU for any reasons for less than two years, his or her courses and dissertation completed previously in the same PhD program at NCTU can be admitted after confirmation if his or her research specialties remain unchanged. If a PhD student had ever passed the qualifying examination of the PhD program of the Institute of Environmental Engineering at NCTU before he or she withdrew from NCTU, then he or she is allowed to be exempted from any paper exam of the qualifying examination; that PhD student has to pass only the oral defense of the qualifying examination. The credits concerning this category can only be transferred once.
  5. Types of requirements for paper publication include the papers that are accepted by any SCI journal, the papers that receive the confirmation of acceptance from an SCI journal, the papers that are accepted by any non-SCI academic journal with a review system, and papers that receive the confirmation of acceptance from any non-SCI academic journal with a review system. A patent is regarded as a paper accepted by a non-SCI academic journal with a review system, but only one patent can be admitted. Concerning the requirements that a PhD candidate’s journal papers have to meet, the third condition below and any one of the first two conditions must be satisfied:
    - (1) Two papers of the PhD candidate are accepted by any SCI journal, and the PhD candidate has to be the first author of at least one of the papers.
    - (2) One paper of the PhD candidate as the first author is accepted by any SCI journal and two papers of the PhD candidate are accepted by any non-SCI academic journal with a review system.
    - (3) The papers mentioned above must include the PhD candidate’s advisor as an author and must be submitted/published under the name of the Institute of Environmental Engineering at NCTU along with the authors’ names.

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|  | <p>(4) Since the 108<sup>th</sup> academic year, PhD students applying for their PhD degree examinations should complete the “comparison of thesis and dissertation originality.” The result of the comparison should be presented to the Degree Examination Committee.</p> |
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