

**Requirements of Master of Humanity and Environmental Science Program
Academic Year 108**

Course Requirement:

Minimal Total Credits : 25 credits

Required Courses : 13 credits

Elective Courses : 12 credits

Required Courses

Course code	Course Name	Credits	Course code	Course Name	Credits
HES_50000	Seminar*	4	HES_50010	Independent Study**	6
NRESM0150	Socio-Ecological Systems & Traditional Knowledge	3	HES_50060	Master Thesis	0

* Seminar course (two credit hours each): Students should take seminar twice and are limited to one seminar course each semester.

** Independent Study (two credit hours each): After students have selected an advisor, they should take Independent Study three times and are limited to one course of Independent study each semester.

Elective Courses

Course code	Course Name	Credits	Course code	Course Name	Credits
Environmental Policy and Governance					
HES_@0020	Environmental Justice	3	HES_50030	Special Topics on Environmental Governance	3
NRESM0080	Sustainable Environment & Development: A Global Perspective	3	NRESM0260	Climate Change and Sustainability	3
Science-based Management					
NRESM0380	Protected Areas and Community Participation	3	NRESM0130	Remote Sensing and GIS	3
NRESM0050	Research Proposal Writing in Environmental Sciences	3	NRESM0200	Scientific Writing	3
NRESM0310	Scientific Method	3			
Applied Ecology and Humanity					
NRESM0220	History and Philosophy of Ecological Theories	3	HES_50020	Environmental Sociology	3
HES_50070	Environmental Measuring and Monitoring	3	HES_@0050	Indigenous Peoples and Eco-Culture Tourism	3
NRESM0070	Special Topics on Ecology	3	NRESM0070	Special Topics on Ecosystem Ecology	3
NRESM0000	Research Methods in Natural Resources (I)	3	NRESM0190	Research Methods in Natural Resources (II)	3
NRESM0040	Introduction to Statistics	3	HASSM0370	Human Ecosystem- Framework and Application	3
NRESM0370	Tropical Ecology	4			

1. All students must fulfill the following requirements for graduation:
 - (1) Each student must complete at least 25 credit hours of all-English-taught courses at the graduate level, including 13 required and 12 elective credit hours. The details of course registration are described in points 2 and 3.
 - (2) Each student must complete a thesis and meet the requirements for thesis submission set by National Dong Hwa University.
 - (3) Each student must hold an oral defense for their thesis in front of a thesis committee with at least three members.
 - (4) The maximum number of credits for each semester is 12 credits, Chinese Language Courses are not included.

2. Required courses are described below:
 - (1) Seminar course (two credit hours each): Students should take seminar twice and are limited to one seminar course each semester.
 - (2) Independent Study (two credit hours each): After students have selected an advisor, they should take Independent Study three times and are limited to one course of Independent study each semester.
 - (3) Master Thesis: Students should take Master Thesis during their fourth semester.
 - (4) Credits for the above courses are earned only for courses in which a grade of B- or higher is received.

3. Students should satisfy the requirements for elective courses with the following regulations:
 - (1) Students may take graduate-level, English-taught courses offered within or outside the Humanity and Environmental Sciences program to satisfy the elective credit hours. However, each student must obtain approval from his/her advisor and the dean of the College of Environmental Studies prior to the inclusion of courses provided outside the College of Environmental Studies international programs as graduation requirement.
 - (2) Credits for the above courses are earned only for courses in which a grade of B- or higher is received.

環境學院人文與環境碩士學位學程課規

108 學年度適用

最低畢業學分數：25 學分。

必修：13 學分。

選修：12 學分。

必修

科目代碼	課程名稱	學分數	科目代碼	課程名稱	學分數
HES_50000	專題討論*	4	HES_50010	獨立研究**	6
NRESM0150	社會 - 生態系統與傳統知識	3	HES_50060	碩士論文	0

* 專題討論 (每門課二學分)：學生須修習通過此課二次，且每學期只得上一專題討論課程。

**獨立研究 (每門課二學分)：學生選定指導教授後始得修習，並須修習通過此課三次，且每學期只得上一獨立研究課程。

選修

科目代碼	課程名稱	學分數	科目代碼	課程名稱	學分數
環境政策與治理					
HES_@0020	環境正義	3	HES_50030	環境治理專題	3
NRESM0080	全球視野之永續環境與發展專論	3	NRESM0260	氣候變遷與永續發展專題	3
科學管理					
NRESM0380	保護區和社區參與	3	NRESM0130	遙測與地理資訊系統	3
NRESM0050	環境科學研究計畫寫作	3	NRESM0200	科學寫作	3
NRESM0310	科學方法	3			
應用生態學及人文領域					
NRESM0220	生態理論的歷史與哲學	3	HES_50020	環境社會學專題	3
HES_50070	環境測量與監測	3	HES_@0010	原住民與生態 - 文化旅遊	3
NRESM0070	生態學專題	3	NRESM0070	生態系生態學專題	3
NRESM0000	自然資源研究方法 (一)	3	NRESM0190	自然資源研究方法 (二)	3
NRESM0040	統計學緒論	3	HASSM0370	人類生態系統-架構與應用	3
NRESM0370	熱帶生態學	4			

重要相關規定：

1. 學生須滿足下列要求，始得畢業：

- (1). 須修畢並通過 25 學分 (必修 13 學分及選修 12 學分) 以上之全英語授課，與碩、博士層級課程。修課相關規定請參閱第二點及第三點。
- (2). 須完成論文與滿足國立東華大學對論文提交之各項規定。
- (3). 須舉行論文口試，口試委員至少需 3 (含) 人以上。
- (4). 每學期修課學分上限為 12 (含) 學分 (華語課程不計)。

2. 必修課程相關規定：

- (1). 專題討論 (每門課二學分) : 學生須修習通過此課二次，且每學期只得上一專題討論課程。
- (2). 獨立研究 (每門課二學分) : 學生選定指導教授後始得修習，並須修習通過此課三次，且每學期只得上一獨立研究課程。
- (3). 碩士論文：入學第四學期始得修習。
- (4). 每門課成績要求為 B⁻ (含) 以上。

3. 選修課程相關規定：

- (1). 修讀外院系、外校所開設之碩、博士層級，且全英語授課課程，經由學生指導教授及環境學院院長於修課前同意，始得計入該生選修科目之畢業學分數內。
- (2). 每門課成績要求為 B⁻ (含) 以上。