

COLLEGE OF ENVIRONMENTAL STUDIES



National Dong Hwa University
Taiwan



COLLEGE OF ENVIRONMENTAL STUDIES



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Message from the Dean

Professor Wen-Yen Chang

The College of Environmental Studies was established in 2009 by merging five environment-related graduate institutes — Natural Resources and Management, Environmental Policy, Ecological and Environmental Education, Earth Science, and Biological Resources and Technology.

The College of Environmental Studies became the Department of Natural Resources and Environmental Studies (NRES) in 2010. The department emphasizes interdisciplinary collaborative approaches in addressing the prevailing environmental concerns in Taiwan and beyond. The college offers two English-taught Master programs and a Ph.D. program with diverse curricula (see below). The college received acclamation and enjoys growing interest among young people who study the complexity of ecosystems and envision sustainable development. A total of 29 full-time faculty members with backgrounds ranging from the natural to the social sciences are the driving force of the college.

Scientists and students in distinct disciplines are encouraged to have open discussions and share their opinions in the search for solutions to their own research. The college comprises four centers – the Center for Disaster Prevention Research, Environmental Education Center, Campus Center for the Environment, and Eastern Taiwan Earthquake Research Center. Our courses provide students with the skills, perspectives, and knowledge in the field of environmental science to pursue various career paths, including teaching, academic research, government employment, as well as work in environmental NGOs and private enterprises in the natural resources sector.



A photograph of a modern, multi-story building with a mix of light beige and grey walls. The building features large glass windows and balconies. In the foreground, there are trees with green and brown leaves, and a grassy area. A bicycle is partially visible in the bottom left corner. The sky is clear blue.

College of Environmental Studies

**Department of
Natural Resources
and Environmental
Studies (NRES)**

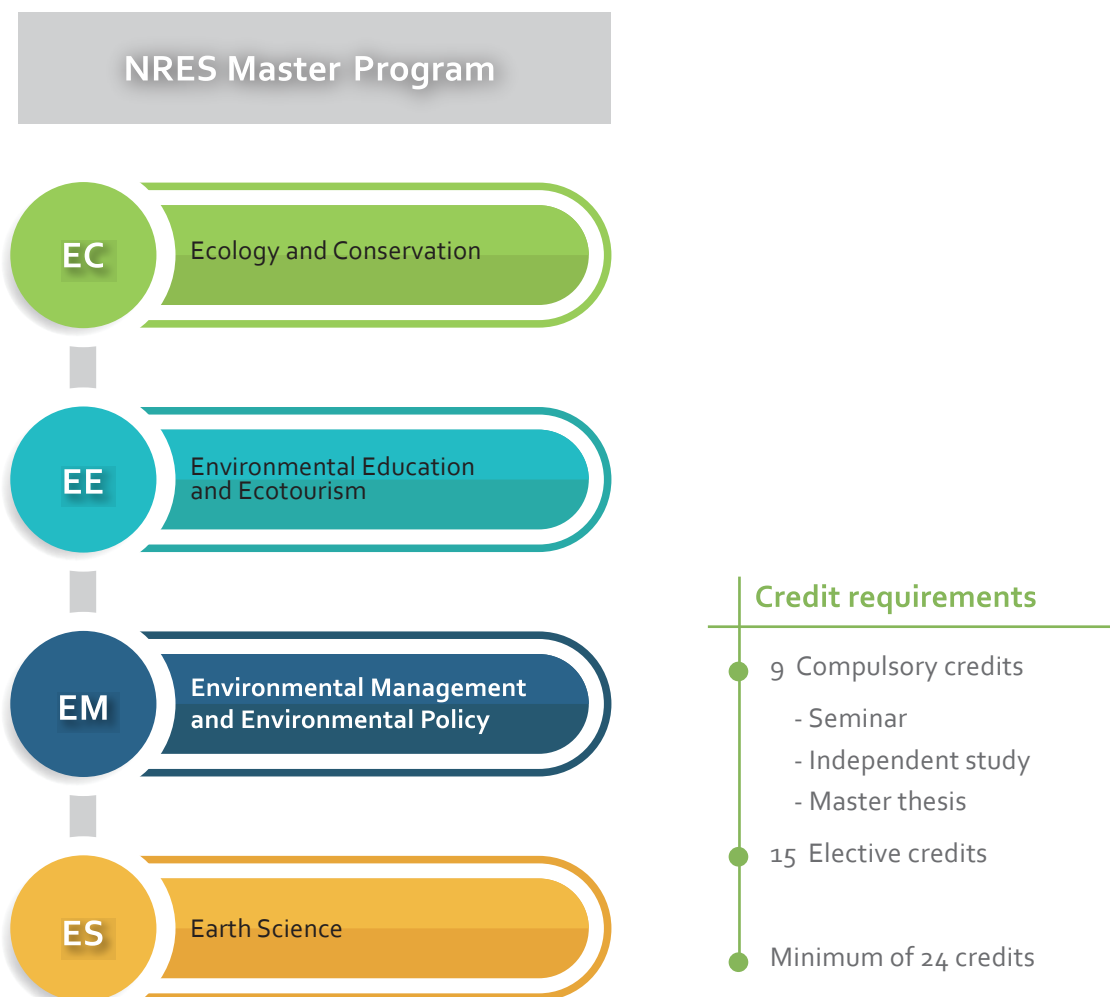
-Master program
-Ph.D. program

**Master of
Humanity and
Environmental
Science Program**

Master Program of Natural Resources and Environmental Studies (NRES)

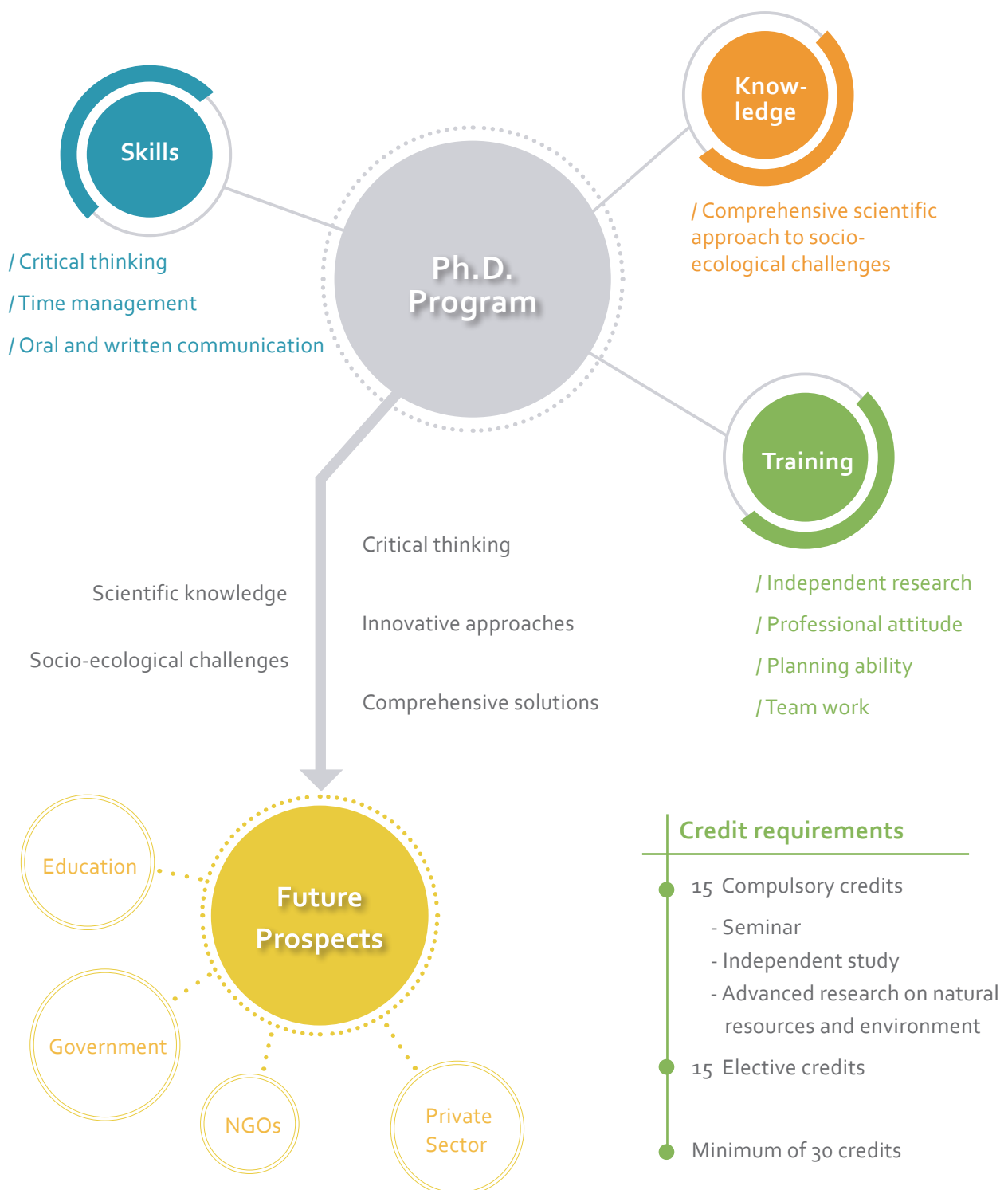
This program integrates courses in ecology and conservation. To promote an interdisciplinary approach, courses in earth science and resource management are available. Study plans are customized to suit individual interests and requirements. In addition, we encourage students to participate in local community-based management projects. Connections with universities in China, Japan, Korea, Germany, and the United States provide opportunities for short-term courses and exchange programs. Once admitted to the program, students are assigned to academic supervisors who provide advice and guidance for graduate study. The department also organizes mixed study groups with local and international students, which help in discovering academic resources and obtaining local experience.

We also encourage students to participate in local community-based management projects to gain experience in the design and practice of the adaptive management of natural resources.



Ph.D. Program

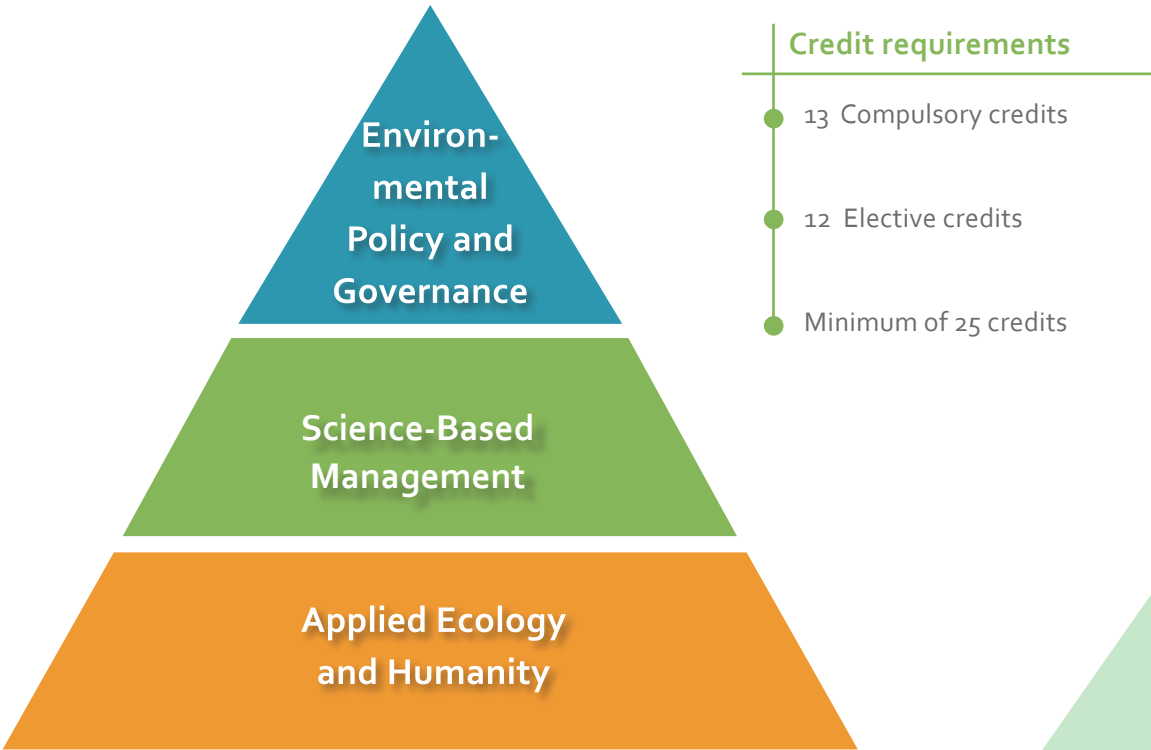
This program is supported by 29 full-time faculty members of the College of Environmental Studies with expertise spanning ecosystem study and environmental education, and external faculty members. Students receive effective training and study guidance from their advisory committee members.



Master of Humanity and Environmental Science Program

The Master of Humanity and Environmental Science Program was developed at NDHU to promote “Integrated Sciences” – a new approach to environmental studies that seeks to combine insights, perspectives, and methods from the natural and social sciences – and has been offered since 2014. It is offered in collaboration with the College of Indigenous Studies and involves faculty of both colleges. Based on the program’s interdisciplinary graduate-level curriculum, students are trained to become “Environmental Change-Makers”. Central to the course is the study and practice of sound environmental management to achieve sustainable development. The curriculum is designed to cultivate respect for the natural world and enable students to develop sensitivity towards the ecological, social, and cultural impacts of human action. In completing the program, both Taiwanese and international students develop the expertise for collaboratively managing natural resources in cooperation with local communities, indigenous peoples, and the state.

The aim of the program is to elucidate the interaction between environment and society from both indigenous and conventional scientific perspectives. On the basis of a comprehensive understanding of relevant issues, adequate management strategies and interventions can be devised to benefit nature and human societies.



Ecosystems and Human Well-being: A Framework for Sustainability



The Faculty



Jyh-Ching Chou
Professor
Research Fields: plant physiology, plant chemistry, molecular biology



Wen-Bin Huang
Professor
Research Field: stock assessment, larval fish resources, fish ecology



I-Fang Sun
Professor
Research Fields: plant ecology, forest dynamics, tropical ecology



Han-Jung Lee
Professor
Research Fields: molecular biology, animal physiology, genes



Yu-Yun Chen
Associate Professor
Research Fields: forest dynamics, plant phenology, quantitative ecology



Hai-Yin Wu
Associate Professor
Research Fields: conservation biology, wildlife biology, ecology



Yu-Cheng Hsu
Associate Professor
Research Fields: conservation genetics, ornithology, behavioral ecology



Kwok-Ching Wong
Associate Professor
Research Fields: entomology, ecology and taxonomy of aquatic insects



Shih-Chieh Chang
Professor
Research Fields: ecosystem ecology, soil ecology, plant physiological ecology



Yi-Ju Yang
Associate Professor
Research Fields: biodiversity, amphibian conservation education



Ying-San Liou
Professor
Research Fields: quaternary geology, environmental geology, archaeogeology



Chin-Ho Tsai
Associate Professor
Research Fields: mineralogy and petrology, electron-beam micro-analytical Techniques



Yo-Ho Chang
Associate Professor
Research Fields: environmental changes, natural resources assessment and management



Cheng-Hua Chang
Assistant Professor
Research Fields: remote sensing and low level aerial photography, spatial data analysis, fisheries oceanography



Jiun-Yee Yen
Associate Professor
Research Fields: radar interferometry, surface deformation, sedimentology



Wen-Yen Chang
Professor
Research Fields: seismology, geophysics, earthquake disaster reduction and prevention



Jolan Hsieh
Professor
Research Fields: justice theories, law and society, human rights



Yi-Fong Chen
Associate Professor
Research Fields: human geography, political economics, development theory



Yi-Tze Lee
Assistant Professor
Research Fields: indigenous community, environmental humanities, STS



Ming-Chien Su
Professor
Research Fields: environmental fate studies, waste management policy, sustainable materials management



Chun-Hung Lee
Professor
Research Fields: community participation, ecotourism, management of cultural and natural resources



Hsing-Sheng Tai
Professor
Research Fields: sustainable development, economics of natural resources, management of commons property resources



Jiehn-Fu Tsai
Associate Professor
Research Fields: environmental planning, ecological community, rural development



Shyang-Woei Lin
Associate Professor
Research Fields: geographic information systems, satellite remote sensing and image interpretation, GPS



Bin-Min Sung
Professor
Research Fields: national park management, tourism impacts, eco-tourism, indigenous Tourism



Yu-Chun Ku
Professor
Research Fields: community education, ecophilosophy in education, qualitative research



Yu-Chuan Yang
Associate Professor
Research Fields: environmental chemistry, bionic structure, bionic & sustainable education



Shih-Jang Hsu
Professor
Research Fields: environmental education, environmental Interpretation, nature Center



Kuang-Chung Lee
Associate Professor
Research Fields: stakeholder participation, landscape conversation, management of natural protected areas



Installation of a camera trap to measure the occurrence rate of mammals and determine the population details



Soil sampling at rice paddy field in Hualien county

Fieldwork

and

Activities



Water sampling to study the chemical oxygen demand of different water bodies



International Graduate Student Society after one of their weekly discussions



Field lecture at the northern tip of the coastal range of Taiwan. Students observing clastic materials of volcanic arc origin that formed the core of the coastal range that flank eastern part of Taiwan



Students conducting water quality experiments in the field




Historical trail investigation with the Lab of Ecotourism Planning and Green Life




Calculation of carbon efflux from a secondary forest with the help of an anemometer




Visit to the Carbon Capture and Storage (CCS) pilot plant at Taiwan cement factory in Hualien



Water sampling at Dong Hwa lake



Using mist nets to catch birds, the students collect morphological and genetic data to study avian evolution



Monitoring the quality of irrigation water


Fieldwork

and

Activities



Field investigation of a landslide site



Using unmanned aerial vehicle (drone) for sika deer population survey and research



Field lecture in the northern tip of the coastal range, where the Luzon volcanic arc is being dragged beneath the Eurasian plate



Immobilization of wild serow in Yushan National Park for wildlife radio telemetry research



Learning how to set up camera traps in Hualien



Students set pitfall traps and baffles

Financial Aid for International Students

1. Governmental Scholarships:

A. **MOFA** Taiwan Scholarship:

<http://tafs.mofa.gov.tw/SchDetailed.aspx?loc=en&ItemId=15>

B. **MOE** Taiwan Scholarship:

<https://taiwanscholarship.moe.gov.tw/web/scholarship.aspx>

C. **MOST** Taiwan Scholarship:

<https://taiwanscholarship.moe.gov.tw/web/scholarship.aspx>

D. **ICDF** International Higher Education Scholarship Programs of Taiwan

http://www.icdf.org.tw/ct.asp?xItem=12505&CtNode=30316&mp=2_

Application Requirements

- Completed application form.
- Photocopy of the passport or other documents that prove nationality.
- Photocopy of the highest-level diploma or certificate of equivalent educational level and a complete grade transcript.
- Documents to certify application to an educational institution or its affiliated Mandarin Training Center, such as photocopies of the application fee receipt, the application form and a note of reply or email from the educational institution.
- For those applying for degree programs taught in Chinese, a photocopy of a TOCFL transcript or certificate for Level 2 or above.
- Photocopy of a TOEFL transcript, a certificate of English proficiency approved by the applicant's government, or documents to certify that the applicant has graduated from a program taught in English. This does not apply to applicants whose official national language is English.
- If applicants are unable to provide the above proof of English proficiency due to special circumstances, the diplomatic mission may assess their level of language proficiency through interviews or other tests.

2. National Dong Hwa University International Student Scholarship:

Application Procedure:

For newly admitted students:

The university application documents will be reviewed after enrolment to determine eligibility.

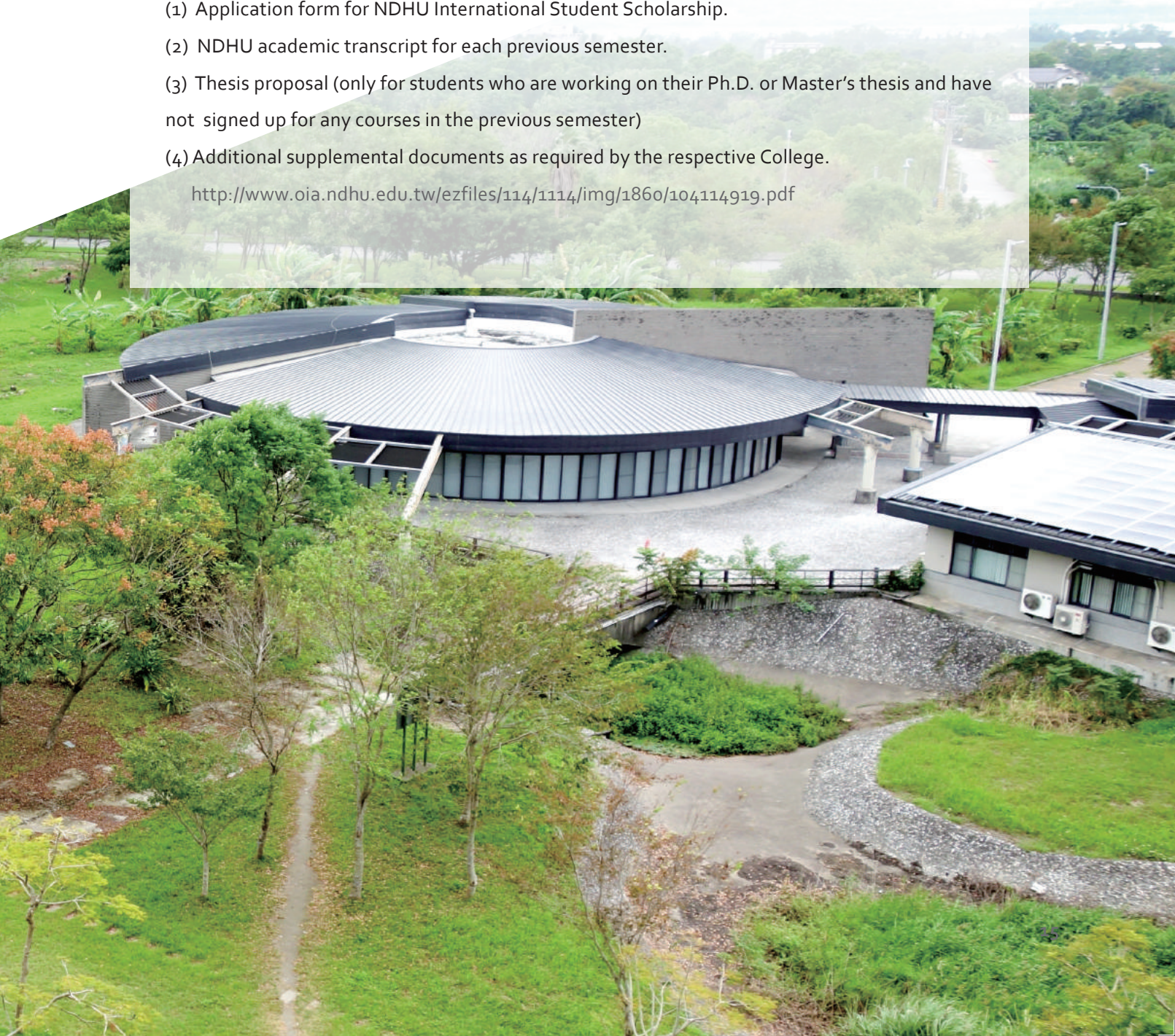
For currently enrolled students:

Student should apply for the scholarship before the given deadline of that semester.

The following documents must be submitted:

- (1) Application form for NDHU International Student Scholarship.
- (2) NDHU academic transcript for each previous semester.
- (3) Thesis proposal (only for students who are working on their Ph.D. or Master's thesis and have not signed up for any courses in the previous semester)
- (4) Additional supplemental documents as required by the respective College.

<http://www.oia.ndhu.edu.tw/ezfiles/114/1114/img/1860/104114919.pdf>



Admission

How to Apply

All applications are processed online only. The online application must be completed and all the relevant documents uploaded before the deadline.

(Website: <http://ias.ndhu.edu.tw/intladmission>)

When to Apply

For the Spring semester the online application must be completed before mid-November.

A confirmation email will be sent by the end of December.

For the Fall semester the online application must be completed before the end of April.

A confirmation email will be sent by the end of June.

Key Dates and Deadlines

Refer to the academic calendar and schedule for other important dates.

Application Requirements

1. Verification of nationality (a foreign national with a former ROC nationality must attach the certificate of the loss of nationality of the Republic of China)
2. Diploma (one photocopy of the diploma of the highest academic degree)
3. Full transcripts of records (the original full transcripts of the applicant)
4. Certificate of language proficiency
5. Autobiography or CV
6. Study plan
7. Two Letters of recommendation
8. Proof of award
9. Financial statement (an official bank letter or any other proof of financial documentation)

Foreign documents must be authenticated by an ROC mission abroad. If the documents are in a language other than English, they must be submitted together with a Chinese or English translation and authenticated by an ROC mission abroad.

Applicants in Taiwan who hold a visitor visa with the mark FS issued by an ROC overseas mission, may submit the abovementioned documents and the enrollment certificate issued by the university (e.g. student I.D. with registration stamp on it) to the Bureau of Consular Affairs or the Central Taiwan Office, Southern Taiwan Office, Eastern Taiwan Office, or Southwestern Taiwan Office.

Residential Visa for Studying

Required Documents

Document	Description
Passport and one photocopy of the passport	Valid for more than 6 months with empty pages
Visa application form	https://visawebapp.boca.gov.tw
Two 2" x 2" color passport size photographs	Must be taken within the last 6 months, in color and with a white background
Original and one photocopy of admission letter	
Original and one photocopy of highest education diploma and transcripts of related academic records	For diplomas and transcripts in languages other than Chinese or English, a Chinese- or English-translation version is also required. Must be authenticated by ROC overseas missions
Original and one photocopy of proof of financial support	
Original and one photocopy of health certificate	Within the past three months either by one of the accredited local hospitals or by a licensed foreign hospital or clinic. For details, please visit the website of the Center for Disease Control. Must be authenticated by ROC overseas missions

The office of the Ministry of Foreign Affairs can convert a visitor visa into a resident visa.

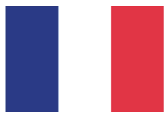
The ROC overseas missions, the Bureau of Consular Affairs or the Central Taiwan Office, Southern Taiwan Office, Eastern Taiwan Office or Southwestern Taiwan Office of the Ministry of Foreign Affairs may arrange an interview with the applicant or request other supplementary documents.

Please visit the website for more details:

<http://www.boca.gov.tw/ct.asp?xItem=6139&ctNode=778&mp=2>

Words from Alumni

France



**AYLA
ZOE
MARTIN**

Hello there! My name is Ayla Martin and I am one of NDHU's first students to graduate from the Humanity and Environmental Sciences (HES) Program. What attracted me to the program is the combination of scientific and more social orientated classes. I think that this degree is perfect for anyone who wants to become a social-environmental project manager or coordinator. The insight and knowledge I got from the college gave me a strong base to rely on that then allowed me to specialize and work within my own field of interest.

Belize



**ISMAEL
MATHIAS
TEUL**

I chose National Dong Hwa University to study at because of its location, and programs. My major was Natural Resources Management in the Department of College of Environmental Studies. I found many professors with specialties in a wide range of fields like, wildlife, climate change, social and environmental development, economics in environmental science. Personally, I had a great time studying and living in NDHU. I like that the environmental program blended theory, and practice.

**OMAR
A.J.
SAHO**



The Gambia

The Natural Resources and Environmental Studies graduate program at National Dong Hwa University, equipped me with the knowledge needed to address ecological, environmental, and marine resources problems facing the Sub-regional Africa. The college trains its students with both theory and practical aspect of natural resource conservation. Please go to College of Environmental Studies and discover the beauty for yourself!!!

**TIMOTHY
BERND
WALLACE
SEEKINGS**

United Kingdom



The HES program is a truly eye-opening and mind-expanding program in my opinion. Its strength lies mainly in its interdisciplinarity. Some classes like Socio-Ecological Systems and Traditional Ecological Knowledge are taught by several professors from the College of Environmental Studies and the College of Indigenous Studies. The resulting syllabus is rich and stretches from the depth of ecology and systems theory to the breadth of human culture and indigenous knowledge.

KENRICK WINSTON WILLIAMS



Belize

The graduate program in NRES at NDHU provided me an opportunity to research and engage in finding practical solutions to current real world challenges. The program also afforded the opportunity to collaborate with colleagues from across the globe and therefore build a global perspective in understanding challenges of our environment-development nexus. The diversity of research areas of faculty and the opportunity to develop integrated and cross-disciplinary approach to inquiry with faculty in other colleges and departments served as a major plus in deciding to choose the NRES program at NDHU.

United States



WILLIAM MARK KEYSER

As an MSc student within the department of Natural Resources and Environmental Studies, my studies focused on the role of high-pressure metamorphism in the geological history of Taiwan. Through my supervisor I was introduced to many well-known scientists in the field; some with whom I was able to collaborate and co-publish. With the guidance of my advisor and the academic environment he provided, I was able to acquire the skills needed to continue on in my geological studies and pursue a doctoral degree in Australia.



Thailand

JINTANA CHAIWONG

National Dong Hwa University (NDHU) is a wonderful campus with a pleasant environment, allowing the students to be very relaxed with complete greenery and magnificent infrastructure. Professors mentor their students by hands-on training and lectures in the classes to place worth full subjects and techniques. Our department empowers the student by conducting special seminar presentations on every week by a special speaker from other universities and other countries.

K'SHA DEZRA SAMANDRA WOODLEY



Saint Vincent and the Grenadines

In September 2012, I was gently introduced to the Natural Resources and Environmental Studies (English Taught) master's degree program with Special Topics on Ecology. In this class, I learnt a lot about the how the natural environment functions which led me to greatly respect the ground I stand on. This was a great learning opportunity. My Lecturers were very knowledgeable and active researchers. They were also understanding and very accessible.

Indonesia



HUSNAWATI YAHYA

I feel studying at NRES is like studying at home. I got all the comforts here. I have teachers and friends who always help me in everything. They are like my parents and siblings. After joining the Aquatic Insect laboratory, my friends always help me to find some data and interviewed the farmers in Taiwanese and translated into English for my thesis. My teacher also gave strongly supports for me to join some international conferences. The NRES always be the best place for studying about the nature and environment.



Contact us

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Home Page:

Department of Natural Resources and Environmental Studies:

<http://www.ces.ndhu.edu.tw>

National Dong Hwa University:

<http://www.ndhu.edu.tw>

Office of International Affairs:

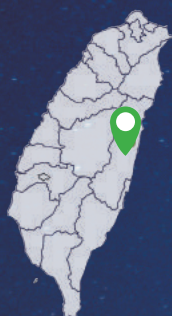
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