8. Advancement to Candidacy

The annual progress report shall be made out by the thesis committee. Before the study plan is approved, a student cannot apply to take the Qualifying Exam.

4. Thesis advisory committee

A. Written exam

The Program admits students to the fall semester only. Application materials are available in April each year, and the deadline for submission is the first day of August of the same calendar year. There is no charge for the application for admission. The selection process includes both written and oral examination. If the student fails the oral examination, he/she can retake the oral examination once. The student who has passed both the written and oral examination is recommended to the Taiwan International Graduate Program by the thesis committee.

The Program will provide financial support for all incoming graduate students during the first year of their enrollment at NTUS, which amounts to approximately NT$32,000 (about US$1050) per month. The amount of the support will be at the discretion of the advisor. Medical insurance is included in the support.

The annual progress report shall be made out by the thesis advisor and the thesis advisory committee. The report shall be sent to ESS office before Aug 30 of the following year. The TIGP stipend will be renewed annually another two years unless evidence of satisfactory progress has not been shown.

7. Qualifying Examination

Students are required to successfully complete the qualifying examination and advancement to candidacy for the Ph.D. program by the end of their third year of study in the program.

5. Study plan

A Ph.D. candidate must have at least one manuscript published or accepted for publication on the first author in a SCI (Scientific Citation Index) listed journal, before she can apply for the final defense of her/his thesis work before the members of an examination committee.

10. Thesis Defense

This defense will take the form of a thesis seminar followed by an oral examination on the thesis research. The examination committee is appointed by the thesis advisor. The examination committee, consisting of at least five faculty members, will be appointed by the thesis advisor. During the section of the qualifying examination, the student should be prepared to present and discuss with the committee on the work done for the thesis, including relevant literature, and he/she will be given time on the following day to prepare a revised version of the thesis. The student who fails the oral examination will be recommended for re-taking the thesis examination after one year. The student who passes the oral examination will be recommended for advancement to candidacy.
Dr. Chih-Chen Lung
Ph.D., National Taiwan University
Department of Earth Sciences and Institute of Geophysics
Research Topics

Dr. Yu-Chieng Liou
Ph.D., National Taiwan University
Ph.D., National Central University
Dr. Ya-Ju Hsu
Ph.D., National Central University
Dr. Li Zhao
Ph.D., Princeton University
Dr. Bor-Shouh Huang
Ph.D., National Central University
Dr. Chuan-Yao Lin
Ph.D., Rensselaer Polytechnic Institute
Dr. Shih-Chieh Hsu
Ph.D., Brown University
Dr. Shih-Chun Candice Lung
Ph.D., National Central University
Dr. Konstantinos I. Konstantinou
Ph.D., Université P. & M. Curie
Dr. Jann-Yenq Liu
Ph.D., Rice University
Dr. Lin-Ni Hau
Ph.D., University of California, Los Angeles
Dr. Pay-Liam Lin
Ph.D., Cambridge University
Dr. Kuo-Ying Wang
Ph.D., North Carolina State University
Dr. Charles C.-K. Chou
Ph.D., Saint Louis University

Research Topics

1. Atmospheric Sciences

(1) AtmOSPHERIC PHYSICS

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

(2) AtmOSPHERIC DYNAMICS

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

(3) AtmosPheric CHEMISTRY

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

(4) Seminar and Research Discussion – to be taken for at least 2 credit units, or equivalent, with the approval of the thesis advisor

2. Oceanic Sciences

(1) MARINE BIOGEOCHEMISTRY

Dr. Shih-Chun Candice Lung
Ph.D., National Central University
Dr. Ya-Ju Hsu
Ph.D., National Central University
Dr. Li Zhao
Ph.D., Princeton University
Dr. Bor-Shouh Huang
Ph.D., National Central University
Dr. Chuan-Yao Lin
Ph.D., Rensselaer Polytechnic Institute
Dr. Shih-Chieh Hsu
Ph.D., Brown University
Dr. Shih-Chun Candice Lung
Ph.D., National Central University
Dr. Konstantinos I. Konstantinou
Ph.D., Université P. & M. Curie
Dr. Jann-Yenq Liu
Ph.D., Rice University
Dr. Lin-Ni Hau
Ph.D., University of California, Los Angeles
Dr. Pay-Liam Lin
Ph.D., Cambridge University
Dr. Kuo-Ying Wang
Ph.D., North Carolina State University
Dr. Charles C.-K. Chou
Ph.D., Saint Louis University

Research Topics

3. Earth Sciences

(1) SOLID EARTH SCIENCES

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

(2) STRUCTURAL GEOLoGy

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

(3) GEODYNAMICs

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

(4) Geological Data Analysis

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

(5) Seismic methods, Seismology

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

(6) Seismology, Tectonics, Tsunami

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

(7) Atmospheric physics, Space Physics

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

Research Topics

4. Other required course:

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

There are three areas of concentration in this graduate program:

I. Required courses:

(1) Seminar and Research discussion – to be taken for at least 2 credit units, or equivalent, with the approval of the thesis advisor

(2) Elective courses – any number of the remaining courses offered by the ESS program as approved by the thesis advisor

(3) 4. Other required course:

Dr. Shiann-Jong Lee
Ph.D., National Central University
Dr. Lin-Li Hsu
Ph.D., National Central University
Dr. Feng-Hsiang Liu
Ph.D., Université de Bretagne Occidentale

There are three areas of concentration in this graduate program:

1. Atmospheric Sciences

The primary research emphasis in the atmospheric sciences is on the biogeochemical cycling of atmospheric gases and aerosols and their impacts on weather and climate. Research efforts focus on the role of the oceans in the global cycling of species such as ozone, methane, and carbon dioxide. The program offers opportunities to engage in educational and research activities in the ocean.

2. Oceanic Sciences

The primary research emphasis in the oceanic sciences is on the marine biogeochemical cycle and its effect on the atmosphere. Research efforts focus on the role of the oceans in the global cycling of species such as ozone, methane, and carbon dioxide. The program offers opportunities to engage in educational and research activities in the ocean.

3. Earth Sciences

The primary research emphasis in the Earth sciences is on the marine biogeochemical cycle and its effect on the atmosphere. Research efforts focus on the role of the oceans in the global cycling of species such as ozone, methane, and carbon dioxide. The program offers opportunities to engage in educational and research activities in the ocean.