

Advantages:

- 1. Instrumentation:** We are equipped with a comprehensive set of observation instruments and high-speed computers. Additionally, we have the Yangmingshan Rainbow real-time monitoring system, which has set the **Guinness World Record for the “longest lasting rainbow.”**
- 2. Industry-Academia Collaboration and Employment:** Our department has signed multiple collaborative agreements with the Central Weather Administration to enhance students' employability. Students with outstanding performance can be assured of entering the workforce successfully.
- 3. Meteorological Communication:** Our department is the only one with a **“Permit to Provide Weather Forecasting Services.”** We have dedicated broadcasting equipment to train students to become professional meteorological broadcasters.
- 4. Scholarships:** In addition to scholarships provided by the university, we offer **special study and research scholarships.** These scholarships are designed to support students under the guidance of professors to enter research fields early in their academic journey.
- 5. Database:** We oversee the National Science and Technology Council's core facility, the **“ Atmospheric Science Research and Application Databank.”** We possess the most comprehensive meteorological observation data nationwide, and a substantial amount of this data is available for applications in the field of AI.

Diverse Meteorological Observation Equipment and Internship Opportunities



Hwa-lin Meteorological Station



Microwave Rainfall Radar



Parsivel Raindrop Spectrometer



Mobile Automatic Weather Station



Rainfall Observation System

從事氣象預報業務許可證
Permit to Provide Weather Forecasting Services

查資料申請氣象預報業務許可，經審查合格，依照規定發給本許可證，以資憑證。
This is to certify the following entity has been granted permit to provide weather forecasting services.

及審慎天氣預報許可項目：
Permit to forecast the following hazardous weather:
 None 大雨 Heavy Rain 強風 Strong Wind 低溫 Low Temperature
 濃霧 Dense Fog 颶風 Typhoon 雷電 Thunder & Lightning 冰雹 Hail
 龍捲風 Tornado 乾旱 Drought

姓名：中國文化大學大氣科學系
Name: Department of Atmospheric Sciences, Chinese Culture University

負責人：曾鴻陽
Person in charge: Tseng, Hong-Yang

業務場所地址：臺北市士林區華岡路55號
Address: No. 55, Hwa-Kang Rd., Shilin Dist., Taipei City, Taiwan (R.O.C.)

許可業務類別：氣象預報類
Permit category: Weather forecasting services

有效期間：自111年6月20日起至114年6月19日止
Effective period: June 20, 2022 to June 19, 2025

交通部中央氣象局 局長 鄭明典
Central Weather Bureau Director-General Zheng Mingdian

中華民國111年6月16日換發
Renewed on June 16, 2022
預報字第11109C109號(Permit No. 11109C10)

● **Offering Meteorological Communication Studies:** With the availability of the Hwa Kang Meteorological Studio, students can produce meteorological broadcast programs and aspire to become **the stars of tomorrow's weather reporters!**

● **Diverse Internship Opportunities:** Various internship channels, including the National Science and Technology Center for Disaster Reduction, the Danshui Meteorological Station of CWA, Academia Sinica, private meteorological companies, and TV weather broadcasting units.



Department of Atmospheric Sciences



The Atmospheric Science Department's research group encompasses aspects of **phenomena, principles, and forecasting.**

Sever Weather

- Typhoon 、
- Heavy Rain 、
- Tornado ...

Climate Change

- Global Warming 、
- Climate Change 、
- ENSO ...

Applied Meteorology

- Green Energy 、
- Meteorological Communication 、
- Disaster Prevention and Mitigation 、
- Carbon Emissions ...**

Multiple pathways for education and employment. Recognized by the Ministry of Labor in 2022 as the major with **the most favorable salary prospects.**

Civil Servant

- CWA
- CAA

Graduate School

- 10-15 Students Per Year
- Research Organization

Private Sector

- Meteorological Analysis and Risk Advisory Company
- Disaster Response Partner

IT Industry

- IT Company
- International Integrated Systems, Inc.



Official Website



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YouTube



ASRAD



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