

## **Master Program in Global Agriculture Technology and Genomic Science, National Taiwan University**

NTU is the most prestigious university in Taiwan and is among the top 100 universities in the world. Guided by independent thought and a pioneering spirit of enterprise, students at NTU become a part of the nation's most prosperous center of learning and receive a comprehensive and quality education.

The International College's **Master Program in Global Agriculture Technology and Genomic Science (Global ATGS)** is designed to equip students with a combination of expertise in Genomics, Breeding Technology, Smart Farming, Plant Factory, and Precision Livestock Farming Technologies – skills that are in increasingly high demand in government agencies, international research institutes, biotech firms, and agricultural industries.

The well-rounded [curriculum](#) has been organized in two main directions: **Digital Agriculture Science and Technology** and **Genomic Science and Breeding Technology**. It offers theory- and research-based teaching as well as application-based hands-on training. This program aims to cultivate industry leaders and scholars with a holistic vision to invest in advanced agriculture systems.

### **Second Round Application Period for International Students** ([Apply Here](#))

- December 16, 2024 – February 13, 2025 (4 p.m.) (GMT+8)

### **Admission Requirements:**

- Bachelor's degree from a regionally accredited college or university;
- English proficiency certificate at CEFR B2 or above

### **Details about the Program**

- [Tuition and Scholarships](#)
- [Application Instruction](#)
- [Introduction Video](#)

Further information is available on the website <https://atgs.ntu.edu.tw/>

Contact info:

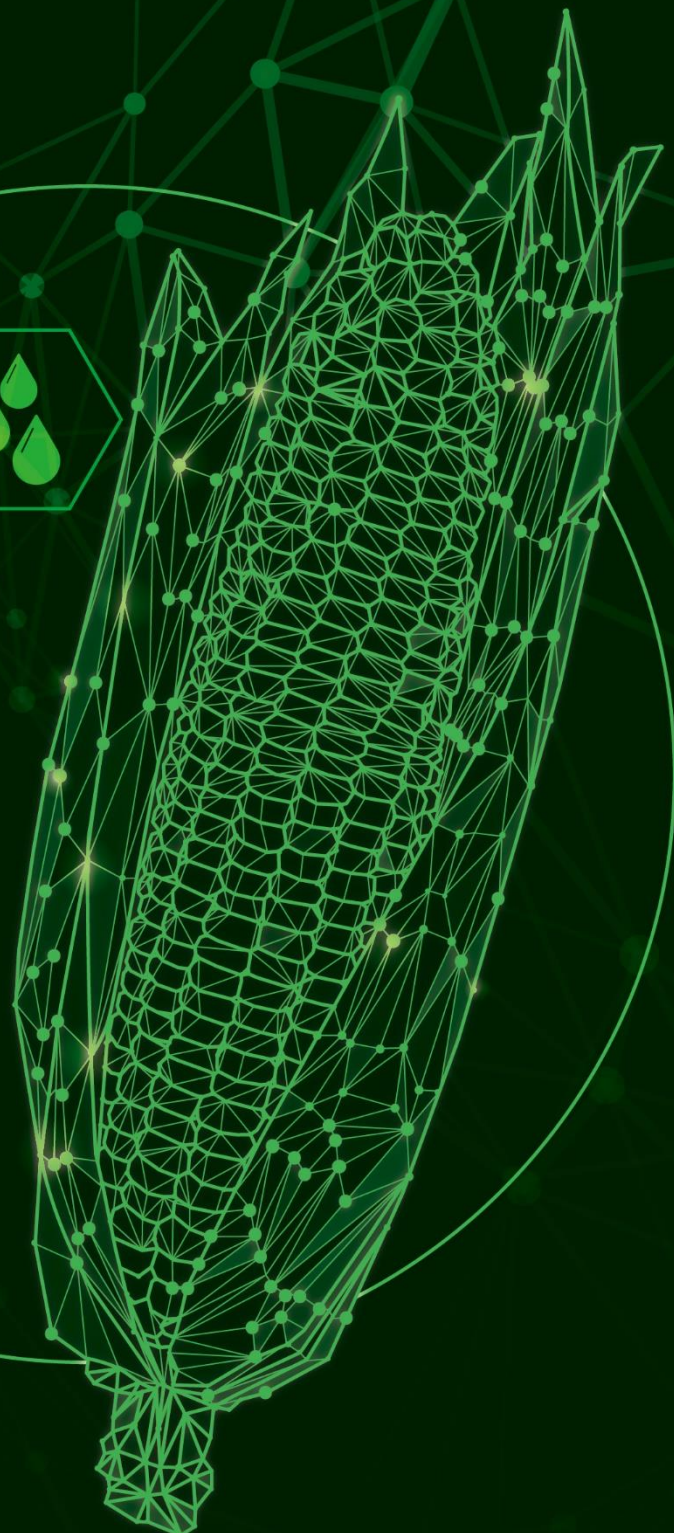
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# Master Program in GLOBAL AGRICULTURE TECHNOLOGY AND GENOMIC SCIENCE



Global ATGS trains talents in emerging agricultural biotechnologies and smart agriculture. The curriculum centers around the development of innovative core technologies and strategies to improve agriculture production efficiency

## Main Subjects

1. Digital Agriculture Science and Technology
2. Genomic Science and Breeding Technology



- **Internships**  
Biotech Firms / International Research Organizations
- **Scholarships**  
Global ATGS Program Scholarship / NTU-SEARCA Joint Scholarship
- **Core Competencies**  
Genome Science Research / Breeding Science and Technology / Bioinformatics / Smart Farming System / Plant Factory / Food Science and Technology

## COURSE LISTING

### Compulsory

Global Agriculture Technology Foresight  
 Scientific Writing and Presentations  
 Seminar  
 Research Training  
 Thesis

### Elective

Control System for Smart Agriculture  
 Crop Genomic Breeding  
 Genetics and Genomics  
 Advanced Plant Molecular Biology  
 Bioinformatics  
 Special Topics in Poultry Production Medicine and Products Processing  
 Smart Technology Applied to Livestock Production  
 Plant Factory: Theory and Practice  
 Waste Treatment Engineering  
 Biotechnology Core Techniques : DNA, RNA and Protein  
 Crop Modeling  
 Practical Bioinformatics for Laboratory Scientists  
 Data Analysis Applications in Agricultural Sciences  
 Problem-Solving Programming Method for Bioinformatics  
 Field Internship



GLOBAL  
ATGS

#### Contact us

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About



Scholarships



Apply