



International College  
**National Taiwan University**



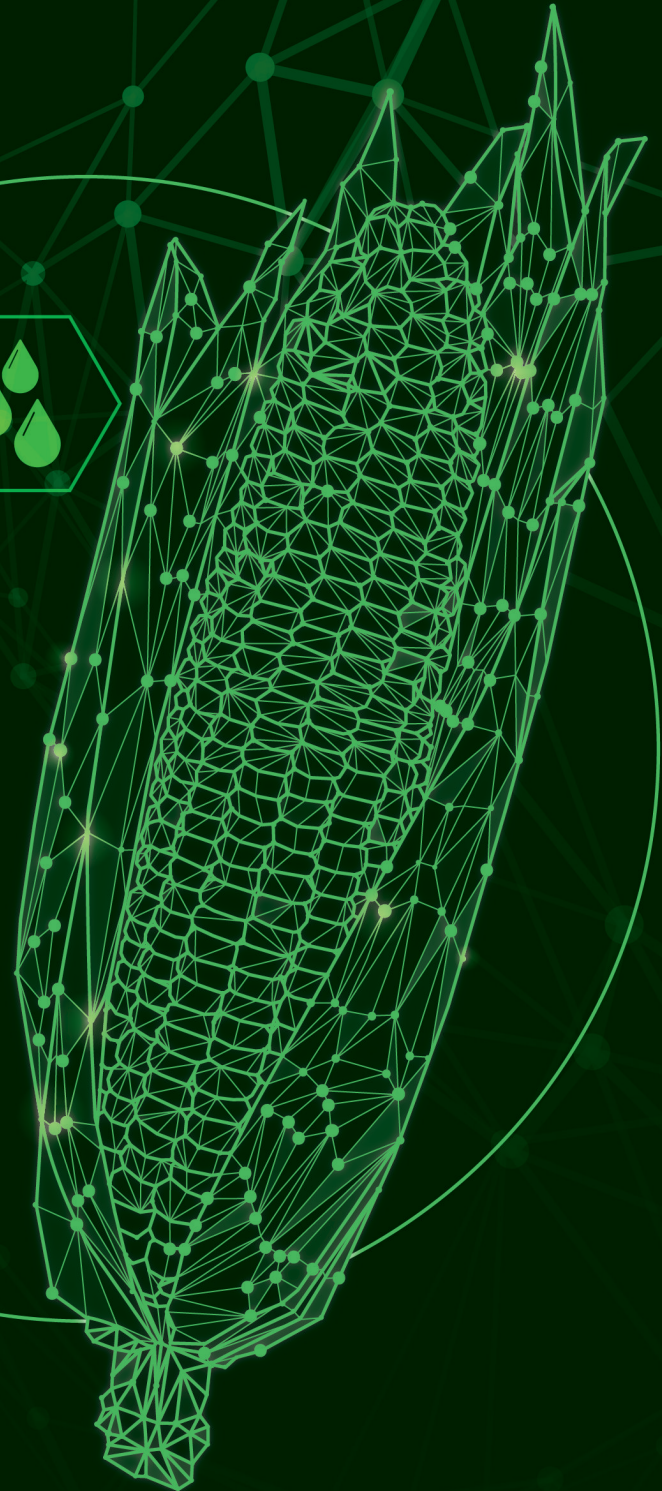
# Master Program in **GLOBAL AGRICULTURE TECHNOLOGY AND GENOMIC SCIENCE**



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

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About



Scholarships



Apply