

# NATIONAL TAIWAN UNIVERSITY



## Master Program in Global Agriculture Technology and Genomic Science

The Master Program in Global Agriculture Technology and Genomic Science (Global ATGS) is a completely English interdisciplinary program provided by the International College of National Taiwan University. In this program, students are able to gain a deep understanding of

1. Smart Farming Technology
2. Genome Science Research
3. Breeding Science and Technology

To earn your Master of Global ATGS, students must successfully complete a thesis and at least 24 credits; including 12 credits in compulsory courses and 12 credits in elective courses.

### Internship Opportunities

Global ATGS emphasizes hands-on training and connections with the industry. Therefore, we arrange field visits to biotech companies and provide internship opportunities in industry and international organizations.

### Scholarship

We provide merit-based scholarships for our students. The amount awarded will be equivalent to approximately 50% to 100% of the recipient's tuition and fees.



## Curriculum

Global ATGS has two main focuses, including

1. Digital agriculture technology
2. Genome science and breeding technology

## LIST OF COURSES

### KEYSTONE COURSE

- Global agriculture technology foresight
- Mathematical method for life science
- Scientific writing

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### DIGITAL AGRICULTURE TECHNOLOGY

- Application of blockchain technology in agriculture
- Process control for smart farming
- Plant factory
- Smart technology applied to livestock production
- Agriculture waste treatment engineering

### GENOME SCIENCE

- Genetics and genomics
- Crop genomic breeding
- Advanced plant molecular biology
- Core biotechnology : DNA, RNA and protein
- Special topics in poultry production medicine and products processing

### BREEDING SCIENCE AND TECHNOLOGY

- Agriculture of Taiwan
- Introduction to bioinformatics
- Crop modeling
- Plant phenotyping

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### RESEARCH INSTITUTES & INDUSTRY INTERNSHIP

## CONTACT US

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