2020 FALL SEMESTER
MASTER PROGRAM
Global Agriculture Technology
And Genomic Science
HANDS-ON TRAINING & SITE VISITS
SCHOLARSHIP AVAILABLE
NATIONAL TAIWAN UNIVERSITY
BRING OTHER TALENTS HERE.
BRING OUR TALENTS HOME.
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

- **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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