



# Department of Geomatics



NCKU



Department of Geomatics, National Cheng Kung University  
No.1, University Road, Tainan City 701, Taiwan  
Tel: +886-6-2757575 ext. 63811 Fax: +886-6-2375764  
Email: em63801@ncku.edu.tw



Office of International Affairs, National Cheng Kung University  
No.1, University Road, Tainan City 701, Taiwan  
Tel: +886-6-2085608 Fax: +886-6-2766430  
Email: em50951@email.ncku.edu.tw

National Cheng Kung University  
No.1, University Road, Tainan City, 70101, TAIWAN (R.O.C.) TEL : 886-6-2757575

## Admissions

Events	Date	
	Fall Semester	Spring Semester
Application Period	10th January to 30th March	10th July to 10th October
Admission Notification	20th May	20th November

- Applications and Information: <https://admissions.oia.ncku.edu.tw/>
- Application Timeline: <https://admissions.oia.ncku.edu.tw/doc/view/sn/12>
- Applicants' Eligibility: <https://admissions.oia.ncku.edu.tw/doc/view/sn/13>
- Scholarship information: <http://isad.oia.ncku.edu.tw/>

## Dual Degree

1. PhD Program: Department has Doctoral Cotutelle Agreement with University of Calgary, Canada. The candidate must be within first 2 years of his/her program.
2. Master Program: Department has Dual-degree Master Program with Institut Teknologi Sepuluh Nopember, Indonesia. The candidate shall spend at least two semesters at the host university.

## Research Fields

The Department of Geomatics consists of three major fields, Surveying & Geodesy, Photogrammetry & Remote Sensing, and Geospatial Information Science. Their respective corresponding applications are Global Positioning System (GPS), Remote Sensing (RS), Geographical Information System (GIS), usually known as 3S technology. Some relative topics are listed as follow.

- Geographical Information System
- Geomatics Engineering
- Remote Sensing
- Photogrammetry
- Global Positioning System
- Global Navigation Satellite System
- Inertial Navigation
- Airborne LiDAR
- 3D Laser Scanning
- Surveying Engineering
- Geodesy
- Mapping Science or Cartography
- 3D City Modeling
- Radargrammetry
- Computer Vision

## Highlight Research

- Multi-platform and Cross-sensor Water Quality Monitoring
- Ground-based Satellite Image Processing System
- UAV for multi-applications
- LiDAR Activities
- 3D Thermal City Model
- Global Climate Changes
- Applications of Crustal Deformation
- Air Pollution/Surrounding Greenness Epidemiology
- Spatial-Temporal Data Mining
- IoT-based Smart Traffic Data Platform
- HD map for autonomous vehicles
- Indoor and outdoor positioning
- Developments and Applications of SAR in Taiwan

## Academic Information

M.S.& PhD. Course are using English as a Medium of Instruction.

### M.S. Program:

1. Complete at least 24 graduate credits.
2. Additional 6 credits for Master's thesis are required.
3. Students should take at least 12 credits offered by the department.

### PhD. Program:

1. Complete at least 18 graduate credits.
2. Additional 12 credits for Doctoral dissertation are required.
3. The qualifying examination for being a Doctoral candidate must be passed within the first 2 years of study.

## Students

