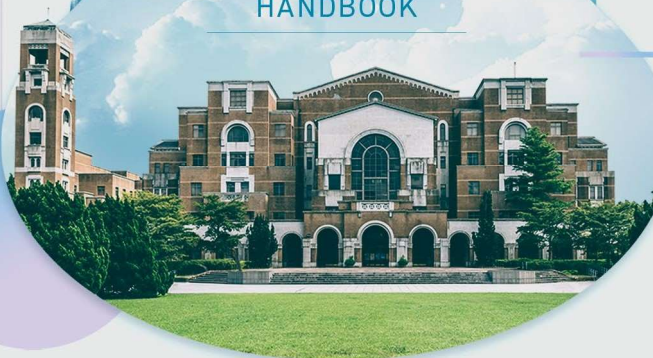




# NTU

National  
Taiwan University  
2021-2022  
HANDBOOK



01 DAT  
NT  
U



Established in

32

Master's and PhD Programs

192

8  
56

Departments

139

Graduate  
Institutes

52

Research Centers<sup>2</sup>

16

Faculties

3

Professional  
Schools

1

Affiliated Hospital

Note: 1. Includes Graduate

School of Advanced Technology, D-School, Center for General Education, International College, School of Professional Education and Continuing Studies

2. Includes International Research Centers, National-Level Research Centers, University-Level Research

Undergraduates

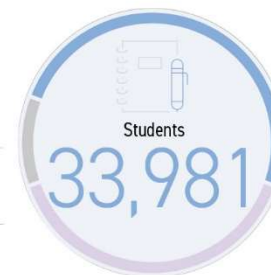
16,906

Doctoral Students

3,772

Master's Students

13,303



Faculty

2,028

Staff

1,560

Adjunct Faculty

2,064



Campus Area

34,152 ha

Note: NTU's seven campuses occupy 1% of the land of Taiwan



### Sharing of Educational Resources

Chinese Language MOOCs: Over **1.1 million** registered students and more than **33,000** courses completed. NTU OCW: Over **240** classes and more than **17 million** visits.



### Library Collection

The NTU Library collection includes over **4 million** physical books, **3 million** e-books, and **130,000** periodicals, as well as access to more than **600** databases.

NTU Library launched the nation's first automated storage and retrieval system in October 2018.

This system provides a high-density storage space sufficient to hold at least **1.2 million** volumes.

System users can obtain their desired volume within **2 minutes**.

Note: periodicals including digital periodicals and open access digital periodicals



### Global NTU

**4,187** international students from **82** countries  
**633** partner universities  
**671** student exchange programs in **49** countries

Note: International students including overseas Chinese students, students from China, international degree students, dual degree students, exchange/visiting/short-term students, and Chinese language students



### Research Performance

Ranked in the **top 50** in **six** academic disciplines

Rankings in QS's Five Main Areas:  
Engineering and Technology **40**

Natural Sciences **62**

Life Sciences and Medicine **80**

Social Sciences and Management **69**

Arts and Humanities **84**



### World University Rankings

2022 QS World University Rankings:

**68**

2022 The Times Higher Education World University Rankings:

**113**

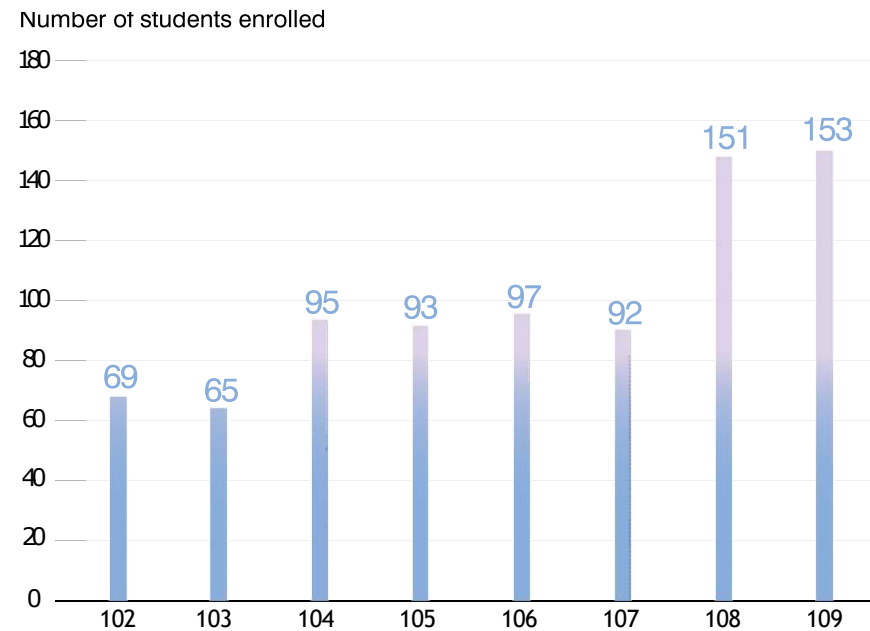
## 02 Training High-Level

### Talent Strengthening Research of Students in Accelerated Doctoral Program

NTU's Accelerated Doctoral Program supports students enrolling in one of NTU's PhD programs directly after an undergraduate or graduate degree in the NTU System with a monthly stipend of NT\$24,000 for three years. This program has rapidly increased to more than 150 participants since the 2019 academic year.



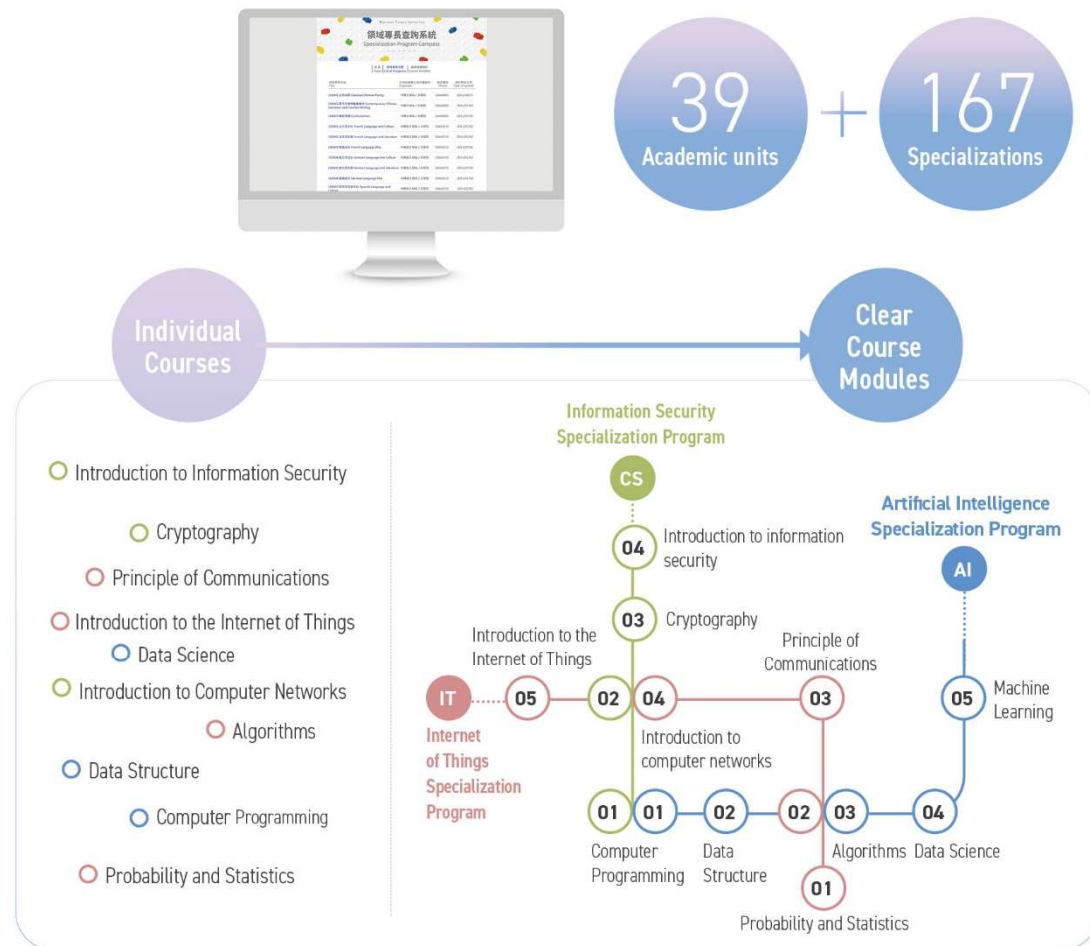
Number of Students in Accelerated Doctoral Program, 2013-2020



## Specialization Program: Purposeful and Unique Exploration

The Specialization Program is a key part of NTU's recent curriculum reforms. 167 specialization programs have been offered by 39 academic units since the first semester of the 2021 academic year, representing core competencies across disciplines, emerging fields of study, and cross-disciplinary trends. Each program consists of four to five courses, amounting to 12 to 15 credits.

Restructuring courses into modules, each specialization program has a clear theme, such as the Internet of Things (IoT), Cybersecurity, and Artificial Intelligence. Individual courses are connected via these modules to guide students in purposeful exploration and to encourage interdisciplinary learning. This, in turn, provides them with a solid foundation for career development or advanced research. To each student upon graduation, an official certificate is awarded to document the successful completion of a specialization program.





# 03 NTU Establishes the International College

## Official Launch of the International College

To cultivate global talent that is internationally mobile, NTU established the International College in August 2021. This marked a major milestone in NTU's efforts to promote globalized education. The objective is to build an interdisciplinary higher education platform that incorporates Taiwan's characteristics and academic strengths. As such, the International College aims to train global talents by transforming NTU into an omni-campus for all culture, creeds, and countries.

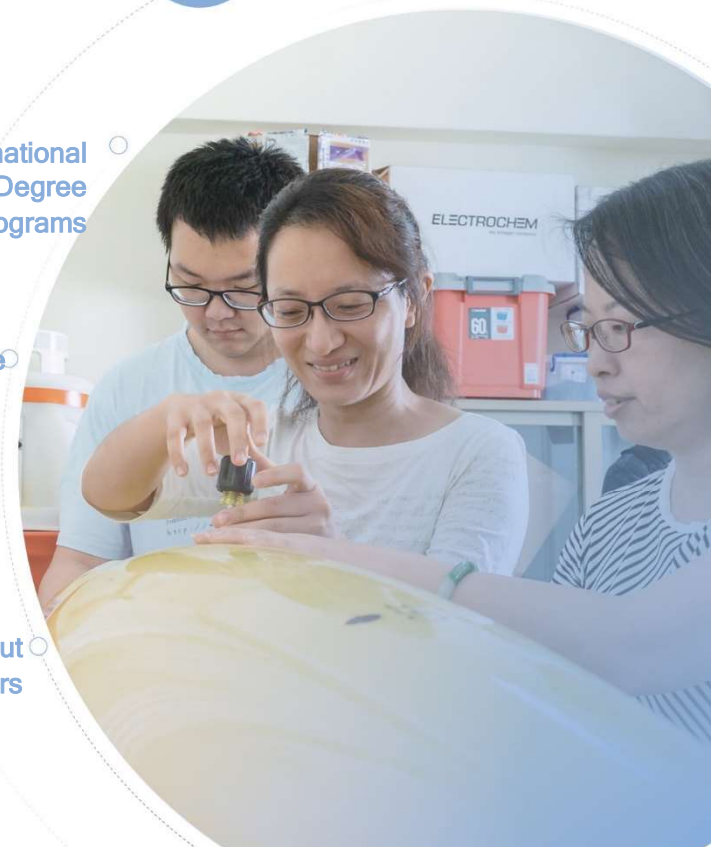
## Development Strategy of the International College

There are three main development strategies of the International College. The first is to establish interdisciplinary international degree programs taught entirely in English. These programs focus on addressing current global topics, establishing internships at international organizations, and cultivating professionals with global mobility. The second strategy is to expand Chinese language and culture educational partnerships with schools overseas; and the third strategy is to build a campus without borders, including the use of academic exchanges to strengthen NTU's international ties.

International  
Degree  
Programs

Chinese Language  
And Culture  
Educational

Campus without  
Borders



## 04 Building a Cosmopolitan Campus by Offering Diverse International Courses

### Designing a Diverse Range of International Degree Programs

NTU provides courses taught entirely in English to nearly 1,000 international degree students. International degree programs, which focus on both professional knowledge and practice, are application-oriented, with an emphasis on internships and technical training. By actively cooperating with industries at home and abroad, internship opportunities are made available that connect learning and work. There are close to 90 degree programs available in English, including BA in civil engineering and agricultural economics, Global MBA, and MSc/PhD in Global Health. There are also two cross-collegiate, cross-disciplinary master's degree programs taught entirely in English: Global Agriculture Technology and Genomic Science (Global ATGS) with Biodiversity.



## Building a Cosmopolitan Campus by Offering Diverse Courses and Activities

NTU provides more than 1,000 courses taught fully in English and additional courses taught in more than 10 different languages. With courses offered in multiple languages, students enjoy a wide range of options to sate their academic demands.

Since the second semester of the 2020 academic year, this university has invited 20 faculty members to join the 2<sup>nd</sup> Mentor Project to ease international students into life at NTU. Thus far, 50 international students has benefited from this project, and this number is expected to be drastically expanded in the near future. To provide Muslim students, teachers, and administrators with appropriate and convenient space for prayer, NTU installed two prayer rooms in the Liberal Education Classroom Building and one in the library in 2021. Such effort is a step towards promoting a congenial campus for all creeds and cultures.





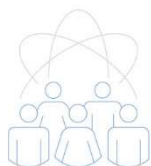
# 05<sup>NTU</sup> D-School

NTU established D-School in March 2015 to provide innovative education that promotes creativity in a student-centered interdisciplinary teaching and research environment. Following six years of development, in August 2021, D-School officially became a functional academy for both pedagogy and research. With its core dedications to innovation, entrepreneurship, placemaking, and the future, D-School serves as an experimental sandbox for innovative education across NTU. Moreover, D-School joins with other departments in developing innovative classes and projects that respond to global changes and trends, with the aim of cultivating innovative, potential talent.



# 06

## Social Responsibility and Service



NTU students show their care and compassion for Taiwan and its people through commendable undertakings that are often linked to their areas of study. They even travel to rural areas of Taiwan and abroad to implement service projects. Every year, NTU offers over 700 service-learning courses and organizes more than 50 social service teams, working in indigenous communities in mountainous areas of eastern Taiwan, fishing villages on outlying islands, and other countries, such as India, Malaysia, and northern Thailand. Participants organize recreational camps and provide health services and tutoring, as well as launch sustainability and environmental protection initiatives. To encourage students to serve in domestic and overseas rural communities, NTU subsidizes professional service programs in rural areas and supports long-term comprehensive projects in designated locations.



## 07 NTU COOL Supports Remote Learning During the Pandemic, Sparking Blended Learning Opportunities

As the digital age gradually provides more diverse modes of teaching and learning, NTU is implementing the next generation digital teaching platform, NTU COOL (NTU COurses OnLine), to lower the barriers for faculty members to incorporate digital teaching through blended learning and online classes, and thus open up new avenues for education and learning. NTU COOL was developed with the popular learning management system Canvas LMS. According to internal teaching needs, NTU COOL features personalized digital teaching modules via asynchronous video lessons, synchronous online interaction, and continuous documentations of learning progress and evaluation. In 2020-21, during the COVID-19 pandemic, NTU COOL provided teachers a viable platform for online video teaching, discussions, and even end-of-term online evaluations to ameliorate the growing need to switch from in-person to remote learning. For the second semesters of the 2019 and 2020 academic years, teachers used NTU COOL in over 2,000 courses, more than 60% of which incorporated video teaching. The pandemic has afforded an unprecedented opportunity for instructors to experiment with hybrid digital and in-person learning models at the level of higher education.

