TAIWAN HIGHER EDUCATION

PAVE YOUR WAY TO GLOBAL ACADEMIC EXCELLENCE WITH HOSPITALITY
Vision for Taiwan’s Higher Education and Higher Education Sprout Project

Superior Higher Education in Taiwan
• Diverse and Innovative Teaching

• Top-class R&D

• Large-scale Academia-industry Cooperation

• Outstanding Leaning Environment

• International Mobility for Higher Education

Recruitment of Talents Worldwide
• Yushan Project for Top International Scholars

• For International Students

Outlook on Higher Education in Taiwan

Welcome to Taiwan
Daily Life Information
VISION
FOR TAIWAN’S HIGHER EDUCATION AND HIGHER EDUCATION SPROUT PROJECT
The competition in comprehensive national power in the 21st century means the competitiveness of talents, and Taiwan enjoys rich intellectual resources in this regard. In the World Economic Forum’s Global Competitiveness Report 2018, Taiwan is ranked in 13th place, and is consistently in the top-10 for 18 of the indicators; and it is also one of the only four super innovators together with Germany, the US, and Switzerland. Furthermore, 17 Taiwan universities are in the 2018 Quacquarelli Symonds (QS) World University Rankings, and 11 Taiwan universities have been constantly included in the top-500 rankings over the past 5 years. In the Essential Science Indicators, 56 Taiwan universities (34% of the universities in Taiwan) are in the world top 1%, and these top Taiwan universities are also in the world top 1% in 20 subjects, evidencing the international-class quality of Taiwan’s higher education.

Given the pressure from talent hunts by many countries over the past several years, the Ministry of Education kicked off its Higher Education Sprout Project in 2018 to comprehensively improve university quality and expedite pluralistic development of Taiwan universities to help strengthen their international competitiveness.
Higher Education Sprout Project with Equal Emphasis on Teaching and Research

NT$83.6 billion will be available in 5 years to help develop university features and strengthen teaching innovation, so that Taiwan universities will be able to leverage the domains in which they excel to further strengthen their international leadership, develop first-class R&D centers, and increase international influence.

Yushan Project Implementation to Strengthen Recruiting and Retaining Talents

The Project includes the Yushan Scholar Project and Faculty Merit Pay System, together with a 10% raise of faculty research allowances to provide internationally competitive packages to recruit and retain top domestic and foreign professor, while strengthening nurturing young up-and-coming scholars to inject new blood into higher education.

Academia-industry Cooperation to Extend University R&D

The cooperation includes the University Industry Innovation R&D Program and From Innovation to Entrepreneurs-Spinoff-Operation-Startup (SOS-IPO) to effectively combine university R&D capabilities with industry resources in an academia-industry programs offering innovation, startup curricula, startup matchmaking, and financing provided to help innovation and entrepreneurship take root on campus.

International Exchange Environment Development to Attract and Cultivate Worldwide Talents

Implementation of the New Southbound Program helps strengthen the cooperation and exchange with ASEAN and Southeast Asian countries to establish an education system facilitating diverse international exchange and cross-cultural experience, strengthen cooperation with top universities or research institutes for talents cultivation, and promote international exchange of talents. The Ministry of Education’s vision for higher education has been helping Taiwan universities steer away from how they traditionally work, and focus more attention on: innovating school management and curriculum systems, developing an education environment conducive to excellence, pursuing innovation and pluralistic development in higher education, rebuilding the paradigm of universities, strengthening university social responsibilities, and cultivating outstanding talents as the strong momentum for ongoing national development and progress.
# The Current Education System of Taiwan

<table>
<thead>
<tr>
<th>Education</th>
<th>Higher Education</th>
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<tbody>
<tr>
<td>Junior High School</td>
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<tr>
<td>Senior High School</td>
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<tr>
<td>Senior Vocational School</td>
<td>Technical College (4-year)</td>
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<tr>
<td>Vocational School (5-year)</td>
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<tr>
<td>University</td>
<td>Dept. of Medicine Postgraduate Entry</td>
</tr>
<tr>
<td>College</td>
<td>Working Experience</td>
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<td></td>
<td>Dept. of Medicine</td>
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<td></td>
<td>Dept. of Dentistry</td>
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<td></td>
<td>Working Experience</td>
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<tr>
<td>Junior College (2-year)</td>
<td>Master Program</td>
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<td></td>
<td>Doctoral Program</td>
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<tr>
<td>Working Experience</td>
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<tr>
<td>University</td>
<td>Master Degree Courses</td>
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<tr>
<td></td>
<td>Doctoral Degree Courses</td>
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</tbody>
</table>

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**The Educational System of Taiwan**

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SUPERIOR HIGHER EDUCATION IN TAIWAN

DIVERSE AND INNOVATIVE TEACHING

As knowledge is becoming increasingly diverse and specialized, learning should no longer be limited to textbook knowledge and should become a portable capability. Therefore, Taiwan has been renovating its higher education over the past several years by making breakthroughs from existing learning systems, fields of education, curriculum design, and credit and degree conferral rules, to develop even more diverse and innovative teaching models.

INTERDISCIPLINARY AND CROSS-DEPARTMENT PROGRAM

- Participation by 32 universities and 62 colleges
- Cultivation of interdisciplinary integration talents
- Colleges as the core of teaching units
- Integration of individual department disciplines within colleges for development of diverse and innovative curriculum modules

**Example:** Education bachelor’s program, MBA program, and electrical engineering doctoral program.

AMENDMENT TO DEGREE CONFERRAL ACT

- Degrees conferred by majors
- Flexible study across departments, colleges, and degree programs

**Example:** Feng Chia University has different curriculum modules consisting of first majors, second majors, and minors for students to select their first majors based on their college professional disciplines, while studying second majors and minors across departments. Moreover, students do not have to select a department. Instead, they can pursue mentor-guided purpose learning and paced education, and can also study abroad for boundaryless learning.

Breakthrough from Existing Education System
## Thesis Form Diversification

- Division between academic and practice

### Master’s Program
- Program in general
  - Dissertation required
- Fine arts, applied science or technology, or sports
  - A work, proof of achievement accompanied by a written report, or a technical report instead of a master’s degree thesis
- Professional practice
  - A professional practice report instead of a thesis

### Doctoral Program
- Program in general
  - Dissertation required
- Fine arts, applied science or technology, or sports
  - A work, proof of achievement accompanied by a written report, or a technical report instead of a doctoral thesis

## Co-Lecturing

- Lecturing by more than two teachers across disciplines
- Design of curricula and related activities after teachers’ exploration of the interdisciplinary issues in which they are interested

**Example:** The interdisciplinary Social Engagement Program at the National Central University features co-lecturing by humanities, science, and sociology teachers to help students think of how to resolve social issues from different perspectives and pursue innovation.

## Microcredit Course

- Primarily for theme-based curricula
- 18 to 20 microcredits in exchange for 1 credit

**Example:** Providence University offers many interdisciplinary microcredit curricula that are industry practice-oriented. Taking a course for 20 hours earns 1 microcredit. The diverse and flexible microcredit curricula include attendance at speeches on specific subjects, as well as workshop participation and practice with microcredits provided on a variety of subjects such as movies and sexuality literacy, career development, reading comprehension and life stories, etc.
Innovative Teaching Model

PBL factored into teaching

- Development of independent learning by problem-based learning (PBL)

Example: The teaching method with PBL integrated at the Kaohsiung Medical University changes unilateral lecturing to first identifying the medical issues or questions to be resolved or answered by students; this is followed by students and their professors establishing hypotheses and then testing them, so that the target knowledge to be acquired can be substantiated to help better achieve the objective of learning.

Education for Creativity, Innovation, and Entrepreneurship

- Thorough implementation of education for creativity, innovation, and entrepreneurship

Example: The SAP Next-Gen program implemented by the National Central University and SAP is a space for maker talents supported by innovation practices through academia-industry cooperation, relevant contests, and experimental student startup communities among others to help strengthen students’ competencies for innovation and entrepreneurship and enable a digital transformation of Taiwan and its businesses.

Example: The National Cheng Kung University, financed by its alumni association in North America, sends its student startup teams to attend training provided by the Plug and Play Tech Center in Silicon Valley. With Silicon Valley financing, some of the teams have established their startup ventures to become innovative talents with international mobility.
**MASSIVE OPEN ONLINE COURSE**

2017

- 470 teachers’ involvement
- 233 available courses
- 160,000 enrollments
- 3.8 million users

**PROGRAMMING INCLUDED INTO GENERAL EDUCATION**

- Enrollment percentage as high as 50%
- Universities, encouraged by financing provided by the Ministry of Education to offer as many programming-related courses as they can
- Humanities students capable of basic app programming

**SOCIAL ENGAGEMENT INCLUDED INTO TEACHING**

- Exploration of social issues by combination of textbook knowledge with field investigation
- Development of practical solutions by integrating the capabilities and professionalism of students and the faculty
- Learning extendable to every corner of society

**Example:** Taipei Medical University combines its Biomedical Informatics, Gerontology Health Management, and Humanities in Medicine disciplines for students to take inventory of the elderly living alone in 41 boroughs near the school, using a big data bank for food bank planning and management to realistically resolve social issues while benefiting from more effective learning.
Superior Higher Education in Taiwan

Top-Class R&D

R&D at Taiwan Universities Well Recognized by Global Academic Communities

Improved Quality and Quantity of Academic Research

Both the quality and quantity of academic research in Taiwan continued to improve in 2015, when Taiwan universities achieved outstanding overall performance in research papers on the Web of Science (including the SCIE and the SSCI) and Scopus. International visibility was high in terms of both the number of research papers published and the number of research papers reviewed.

**2015 Overall Performance on Web of Science**

- **Number of research papers published**: 27,074
- **Percentage of internationally coauthored papers published**: 30%
- **Number of research papers published in Nature**: 19
- **Number of research papers published in Science**: 17

Note: Only those published in *Nature* are counted; those in other *Nature* journals are not counted.

**2015 Overall Performance on Scopus**

- **Number of research papers viewed**: 639,548
- **Relative impact**: 1.09

Note: If the relative impact is higher than one, the impact is higher than the global average.
The individual performance of top universities in Taiwan, including the relative impact of their papers as well as being cited in the top 10% and top 1%, which are all higher than the global average.

<table>
<thead>
<tr>
<th>Web of Science: Number of Schools with Academic Performance Higher than Global Average in 2017</th>
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<tbody>
<tr>
<td>Relative impact</td>
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<tr>
<td>4</td>
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<tr>
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<tbody>
<tr>
<td>Relative impact</td>
</tr>
<tr>
<td>11</td>
</tr>
</tbody>
</table>

In the ESI, Taiwan has a total of 21 disciplines in the top 1%, with 60 universities’ different discipline in the top 1%, and the number of research papers from 12 universities in the top-200 ranking.
**Academic Strength of Feature Area Research Center**

To help cultivate top international talents, the Ministry of Education of Taiwan continues funding for 24 universities’ 65 feature area research centers. The centers enjoy considerable international awareness and feature strong research capabilities in Medicine, Engineering, Science, Life Science, Agriculture, Social Science, as well as Arts and Humanities, as tabulated as below.

### Medicine

<table>
<thead>
<tr>
<th>Feature Area Research Center</th>
<th>School</th>
<th>Number of Research Papers in Top-200 Ranking in ESI Top 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drug Development Center</td>
<td>China Medical University</td>
<td>Pharmacology and Toxicology</td>
</tr>
<tr>
<td>Chinese Medicine Research Center</td>
<td>China Medical University</td>
<td>Pharmacology and Toxicology</td>
</tr>
<tr>
<td>Brain Research Center</td>
<td>National Yang-Ming University</td>
<td>Clinical Medicine</td>
</tr>
<tr>
<td>Cancer Progression Research Center</td>
<td>National Yang-Ming University</td>
<td>Clinical Medicine</td>
</tr>
<tr>
<td>Centers of Genomic and Precision Medicine</td>
<td>National Taiwan University</td>
<td>Clinical Medicine</td>
</tr>
</tbody>
</table>

### Science

<table>
<thead>
<tr>
<th>Feature Area Research Center</th>
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<th>Number of Research Papers in Top-200 Ranking in ESI Top 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center for Emergent Functional Matter Science</td>
<td>National Chiao Tung University</td>
<td>Material Science</td>
</tr>
<tr>
<td>Frontier Research Center on Fundamental and Applied Sciences of Matters</td>
<td>National Tsing Hua University</td>
<td>Material Science and Chemistry</td>
</tr>
<tr>
<td>Center for Quantum Technology</td>
<td>National Tsing Hua University</td>
<td>Material Science and Chemistry</td>
</tr>
<tr>
<td>National Taiwan University Research Center for Future Earth</td>
<td>National Taiwan University</td>
<td>Earth Science</td>
</tr>
<tr>
<td>Center of Atomic Initiative for New Materials</td>
<td>National Taiwan University</td>
<td>Material Science</td>
</tr>
</tbody>
</table>

### Engineering

<table>
<thead>
<tr>
<th>Feature Area Research Center</th>
<th>School</th>
<th>Number of Research Papers in Top-200 Ranking in ESI Top 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center for mmWave Smart Radar Systems and Technologies</td>
<td>National Chiao Tung University</td>
<td>Engineering and Computer Science</td>
</tr>
<tr>
<td>Center for Semiconductor Technology Research</td>
<td>National Chiao Tung University</td>
<td>Engineering and Computer Science</td>
</tr>
<tr>
<td>Center for Open Intelligent Connectivity</td>
<td>National Chiao Tung University</td>
<td>Engineering and Computer Science</td>
</tr>
<tr>
<td>Center for Neuromodulation Medical Electronics Systems</td>
<td>National Chiao Tung University</td>
<td>Engineering and Computer Science</td>
</tr>
<tr>
<td>Hierarchical Green-Energy Materials (Hi-GEM) Research Center</td>
<td>National Cheng Kung University</td>
<td>Engineering and Material Science</td>
</tr>
<tr>
<td>Medical Device Innovation Center</td>
<td>National Cheng Kung University</td>
<td>Engineering and Material Science</td>
</tr>
<tr>
<td>Intelligent Manufacturing Research Center</td>
<td>National Cheng Kung University</td>
<td>Engineering and Computer Science</td>
</tr>
<tr>
<td>High Entropy Materials Center</td>
<td>National Tsing Hua University</td>
<td>Material Science Chemistry</td>
</tr>
<tr>
<td>Advanced Research Center for Green Materials Science &amp; Technology</td>
<td>National Taiwan University</td>
<td>Engineering and Computer Science</td>
</tr>
<tr>
<td>Center of Excellence for Ocean Engineering</td>
<td>National Taiwan University</td>
<td>Engineering and Material Science</td>
</tr>
</tbody>
</table>
### Social Science

<table>
<thead>
<tr>
<th>Feature Area Research Center</th>
<th>School</th>
<th>Number of Research Papers in Top-200 Ranking in ESI Top 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taiwan Institute for Governance and Communication Research</td>
<td>National Chengchi University</td>
<td>- Economics and Business Management</td>
</tr>
<tr>
<td>Center for Research in Econometric Theory and Applications</td>
<td>National Taiwan University</td>
<td>- Economics and Business Management</td>
</tr>
<tr>
<td>Center of Innovative and Sustainable Environment and Policy of Population Health</td>
<td>National Taiwan University</td>
<td>- Economics and Business Management</td>
</tr>
</tbody>
</table>
To strengthen students’ employment competitiveness, the Ministry of Education of Taiwan has started to encourage universities to seek substantial cooperation with relevant industries through its academia-industry cooperation program for cultivation of R&D talents at the doctoral level, industrial master’s programs, and subsidization of R&D for industrial innovation at universities. This cooperation has been very successful.

Overview of Academia-industry Cooperation in 2017 in Taiwan

Narrowed gaps between what is studied and real industry practices with academia-industry cooperation funded by non-government sectors.

**NT$ 17.07 BILLION**

University incomes deriving from intellectual property rights ranging from R&D to industry applications

**NT$ 2.45 BILLION**
Employment Competitiveness Enhancement by Comprehensive Cultivation of Talents

**INDUSTRIAL PH.D.**
Through degree programs, universities work with businesses or legal entities to cultivate talents at the doctoral level, and let doctoral students conduct real-world R&D at businesses. Both universities and businesses function as doctoral thesis advisors to help enhance doctoral talents’ R&D competencies for the real business world.

**INDUSTRIAL MASTER’S**
Universities work with businesses to offer executive programs and develop curricula while engaging relevant industry talents and professionals as program lecturers. The programs are provided in spring and fall respectively, and the businesses cooperating with a program are required to hire more than 70% of the program graduates.

**210,000 INTERNS**
Out-of-school internships were provided to approximately 210,000 students in 2017. More than 6,700 students had overseas internships throughout the 5 continents including Middle East.

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### Out-of-school Interns from Taiwan Universities

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Domestic Interns</th>
<th>Overseas Interns</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>174,181</td>
<td>4,970</td>
</tr>
<tr>
<td>2017</td>
<td>201,096</td>
<td>6,726</td>
</tr>
</tbody>
</table>
Cultivation of Advanced R&D Talents for Industrial Innovation

To effectively align R&D at universities with relevant industry resources, to stay abreast of ongoing industrial innovation, the Ministry of Education’s subsidization to R&D for industrial innovation at universities facilitates academia-industry cooperation for R&D conducted by doctoral talents led by their professors. The cooperation is intended not only to strengthen doctoral students’ competencies but also to establish joint R&D departments or R&D service companies for the mutual benefit of participating schools and businesses.

Universities
Provide knowledge and skills

Industry partners
Provide relevant resources and employment opportunities

R&D departments

Cooperation for R&D and talents cultivation

Establishment of knowledge sharing mechanism

In 4 years

Co-founding

OR

Startup companies

More than 600 doctoral R&D talents
More than 200 key technologies and products
The outstanding and wide-ranging learning environments provided by Taiwan universities help attract tens of thousands of international students to Taiwan to pursue their degrees or attend short-term programs. In the past 10 years, the number of foreign students increased from 39,000 plus to 120,000.

**TOP-10 SOURCES OF FOREIGN STUDENTS IN 2018 BY COUNTRY OR AREA**

- Mainland China: 24%
- Others: 18%
- Malaysia: 13%
- Vietnam: 10%
- Indonesia: 9%
- Japan: 7%
- Hong Kong: 6%
- Macau: 4%
- South Korea: 3%
- U.S.: 3%
- Thailand: 3%

### Advantage 1: A Variety of Scholarships

#### Type 1: Taiwan Scholarship Program

- Encouragement of outstanding and up-and-coming students to study in Taiwan
- Joint-implementation by the Ministry of Education and Ministry of Foreign Affairs

**Tuition and miscellaneous fees**

Lower than NT$40,000

→ Financed by the Ministry of Education after verification (The categories of miscellaneous fees financed by the Ministry are otherwise stipulated)

Amount exceeding NT$40,000

→ Payable by the student to his or her school

**Daily life allowance**

- Undergraduate student → NT$15,000 per month
- Master’s and doctoral student → NT$20,000 per month

**Maximum period of scholarship offering**

- Undergraduate study → 4 years
- Master’s study → 2 years
- Doctoral study → 4 years

Note: The period for any student to receive the scholarship shall not exceed 5 years in accumulation.

#### Type 2: New Southbound Scholarship Program

- Applicant: University lecturers from ASEAN and Southeast Asian countries studying for degrees in Taiwan
- Number of people financed: 100 per year
- Amount of financing: NT$25,000 per month
- Accumulated headcount: 300 people
Advantage 2
Friendly Language Environment Development

Type 1: Mandarin Learning Platform

In 2016, the Ministry of Education established its Office of Global Mandarin Education, which lists Mandarin learning centers throughout Taiwan on its website at https://ogme.edu.tw/Home/tw to help foreign nationals rapidly identify the language centers and courses that suit them. Moreover, there are free online learning resources such as Mandarin 101 and Learning Chinese: Start from Scratch for both Mandarin learners and teachers. The Ministry of Education has also stipulated the Guidelines for Application for the Huayu Enrichment Scholarship Program to encourage foreign nationals to learn Mandarin in Taiwan to gain a better understanding of the culture and society of Taiwan. Qualified applicants may apply to the Taiwan representative offices in their countries or where they live for program attendance.

Huayu Enrichment Scholarship Program

<table>
<thead>
<tr>
<th>Eligibility</th>
<th>Ineligibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>International applicants above the age of 18, who possess a high school diploma or above, have shown excellent academic performance, and are of good moral character.</td>
<td>• Is an overseas Chinese student or a national of the R.O.C. • Is currently registered as a student at a Mandarin Language Center or has sought a degree from a university or college in Taiwan. • Has already received a HES or a Taiwan Scholarship, in the past. • Is an exchange student to Taiwan, during the scholarship period. • Is currently receiving financial benefits from the Taiwan government or another educational institution.</td>
</tr>
</tbody>
</table>

Monthly scholarship: NT$25,000

Period of scholarship offering: Summer term of 2 months, and short-term classes that may respectively last 3, 6, or 9 months to 1 year

Special requirement: Except the summer term, the scholarship is awarded from September 1 to August 31 of the following year. Failure to enroll in Taiwan during the designated time shall be considered forfeiting the scholarship.

Type 2: Full English Program Development

The Taiwan universities offering full English programs have been increasing year by year. In 2019, more than 90% of 399 degree programs were taught in English, including Education, Arts and Humanities, Social Science, Journalism, Business Management, Law, Natural Science, Mathematics, Statistics, Information and Communications Technologies, Engineering, Architecture, Agriculture, Forestry, Fishery, Veterinary Medicine, Healthcare, Social Welfare, and service sector-related disciplines.
Advantage 3  Innovative Industry Talents Cultivation

The Taiwan Experience Education Program (TEEP@AsiaPlus) launched by the Ministry of Education by integration of relevant resources encourages foreign nationals to gain an understanding of the advantages of Taiwan’s higher education through professional internships together with Mandarin learning and cultural experience activities prior to their degree or non-degree study in Taiwan. From February 2017 to June 2019, Taiwan universities offered a total of 250 TEEP@AsiaPlus internship programs that attracted near 1,300 outstanding young people to Taiwan.

800 People Attracted to Taiwan by TEEP@AsiaPlus in 2 Years

Internship Duration: Up to 6 months
Internship Disciplines: IoT, Biomedicine, Green Energy Technology, Smart Machinery, Defense Technology, New Agriculture, Circular Economy, Digital Intelligence, English Teaching, etc.
2019-2020 Disciplines: 137 disciplines offered by 36 universities
Program website: http://www.studyintaiwan.org/teep/

Advantage 5  Friendly Learning Environment

HIGH QUALITY BOARDING
Many university dormitories have been renovated over the past several years, and the quality of boarding has been improving with sufficient living space for students from abroad.

CULTURAL INTEGRATION
Taiwan universities accommodate different cultures, ethnicities, and faiths. There are churches, Muslim prayer rooms, and halal restaurants on campus as well as Ramadan to help foreign students obtain spiritual tranquility in Taiwan.
### Advantage 4: High Quality of Faculty

95% of the faculty at Taiwan’s public universities are above the assistant professor level, while the percentage at Taiwan’s private university is 85%.

Both the number of researchers, 147,000, and the ratio of researchers to every 1,000 employees, 13.1%, rank highest in Asia.

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### MASSIVE BOOK COLLECTION

Taiwan universities have more than 21.33 million Chinese books, more than 80 million books in foreign languages, as well as electronic periodicals on many subjects.

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### SMART CLASSROOM

To enable barrier-free learning, Taiwan universities have been renovating their classrooms, such as the 360°, annular classroom at Tunghai University, increase of digital interactive devices, and problem-based learning environment development to enhance teaching effectiveness.

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### ART ON CAMPUS

Both students and the faculty can enjoy scenic campuses where there are installation arts for existing school buildings or new buildings designed by internationally renowned architects.
SUPERIOR HIGHER EDUCATION IN TAIWAN

INTERNATIONAL MOBILITY FOR HIGHER EDUCATION

To develop Taiwan’s higher education leadership in East Asia, the Ministry of Education of Taiwan focuses on further improving Taiwan’s friendly environment for foreign students and there are also plans to strengthen the marketing of the superior higher education in Taiwan by organizing international higher education fora and annual educator conferences and to set up 30 representative organizations in 20 countries and territories, so that overseas Taiwan students can be taken good care of in their vicinities while international academic exchange will be facilitated in the future to enhance the international mobility of Taiwan’s higher education.

1st Strategy: Marketing of Taiwan’s Friendly Environment for Foreign Students

Taiwan’s commitment to developing an internationalized learning environment attracts more than 120,000 international students to Taiwan every year. To continue developing international talents, Taiwan provides various scholarships to encourage outstanding foreign students to study in Taiwan, for example the Elite Study in Taiwan Project, established by the Ministry of Education in 2008, talents cultivation in cooperation with central and local government agencies in Indonesia, Thailand, Vietnam, and other Southeast Asian countries, and assistance to university lecturers and government officials in winning government scholarships for them to attend school or training in Taiwan to strengthen Taiwan’s international influence.

2nd Strategy: Global Mobility Enhanced by Overseas Study

Taiwan’s government examinations for overseas study scholarships have helped cultivate more than 2,000 international talents. In 2007, the Ministry of Education commenced its Study Abroad Projects to select students and send them overseas for study or internships, and has sent more than 32,000 students abroad.

2017 HIGHLIGHTS

(Source: Department of Statistics, Ministry of Education, and university administration databanks)

31,480
Taiwan students went abroad for various international exchange programs.

3,043
Joint dual degree programs were implemented in cooperation with foreign universities.

1,092
Domestic students pursued joint dual degrees.

1,082
Foreign students pursued joint dual degrees.

6,726
students took part in overseas internships.

67,688
Students studied abroad (Note: 2018 statistics)
The Ministry of Education’s scholarship cooperation with the world’s top-100 universities aims at developing internationally advanced talents at the doctoral level. There are 14 scholarships available now.

Fourteen Scholarships Cooperated with World’s Top-100 Universities

<table>
<thead>
<tr>
<th>Scholarship</th>
<th>Number of students</th>
</tr>
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<tbody>
<tr>
<td>Taiwan Cambridge University Scholarship</td>
<td></td>
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<tr>
<td>Taiwan-Oxford Graduate Scholarships</td>
<td></td>
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<tr>
<td>Taiwan Washington University in St. Louis</td>
<td></td>
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<tr>
<td>TW USC Scholarship</td>
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<tr>
<td>TW-Caltech Scholarship</td>
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<tr>
<td>Taiwan Columbia Scholarship</td>
<td></td>
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<tr>
<td>Taiwan UIUC Scholarship</td>
<td></td>
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<tr>
<td>Taiwan-College of Chemistry, UC Berkeley Fellowships</td>
<td></td>
</tr>
<tr>
<td>Taiwan – Whiting School of Engineering, Johns Hopkins University Fellowships</td>
<td></td>
</tr>
<tr>
<td>Taiwan Washington University in St. Louis</td>
<td></td>
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<tr>
<td>Taiwan Paris-Sud Doctoral Scholarships</td>
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<tr>
<td>Taiwan KU Leuven Scholarship</td>
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<tr>
<td>Taiwan EPFL PhD Scholarship</td>
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<tr>
<td>Taiwan – KAIST Scholarships</td>
<td></td>
</tr>
</tbody>
</table>

The higher education exchange between Taiwan and Mainland China has become increasingly close over the past decade in terms of developing school alliances, signing academic exchange agreements, education professionals visiting each other, mutual recognition of degrees, and increasing numbers of degree and non-degree students crossing the Taiwan Strait to help strengthen the international competitiveness of Taiwan’s higher education.

To facilitate student exchange across the Taiwan Strait, the Ministry of Education encourages Taiwan universities to invite students from Mainland China to study in Taiwan. More than 20,000 students from Mainland China come to Taiwan every year, and the agreements signed between schools across the Taiwan Strait have been increasing significantly. More than 10,000 academic cooperation and exchange agreements signed across the Taiwan Strait have been approved by the Ministry of Education.

In the past 5 years, about 25,000 to 30,000 undergraduates and graduates from Mainland China came to Taiwan every year to pursue their study.
CASES OF INTERNATIONAL JOINT DUAL DEGREE COOPERATION BY AREA IN 2017

North America

638
4th Strategy: Visibility Enhanced by Joint Dual Degree Cooperation with Foreign Universities

To increase international exchange opportunities for students and the faculty, the Ministry of Education encourages Taiwan universities to establish joint dual degree programs or non-degree programs with foreign universities. The joint dual degree programs offer bachelor’s, master’s, and doctoral degrees, and Taiwan universities processed a total of 2,471 cases of joint dual degree cooperation in 2017.
To attract international-class scholars to teach and conduct research in Taiwan, the Ministry of Education of Taiwan continues strengthening its talents recruitment.
In 2018, a total of 46 top international scholars were recruited to Taiwan, including 24 Republic of China nationals from aboard, 10 US nationals, 3 French nationals, as well as others from Japan, Korea, Canada, Germany, and the UK.

James Lee, one of the Republic of China nationals from aboard and an internationally leading nanomaterial expert, worked in the US after earning his Ph.D. degree there. His career development in the US made him an internationally renowned nanomaterial expert, highly reputed to many international-class research institutes. Because of the Yushan Project, he returned to Taiwan and joined the Institute of Biopharmaceutical Science, National Yang-Ming University, bringing in the nanochip technology he excels in to Taiwan to help strengthen the research quality of early cancer detection.

Plant Biology Prof. Wilhelm Gruissem comes from Eidgenössische Technische Hochschule Zürich and now teaches at the National Chung Hsing University. Prof. Gruissem considers the university’s rice paddy research remarkable at the school’s Agricultural Experiment Station and wants to conduct field tests in Taiwan to together resolve the food shortage issues around the world.

Recruitment of talents from around the world is continuous and endless, and the Ministry of Education is continuously recruit Yushan Scholars and Young Scholars in 2019 to help the higher education in Taiwan become even more internationally competitive.
RECRUITMENT OF TALENTS WORLDWIDE FOR INTERNATIONAL STUDENTS

In trying to attract talents from around the world, many Taiwan universities, e.g., the National Taiwan University, Tunghai University, Asia University, and Feng Chia University, have established their international colleges over the past several years. The colleges feature full-English teaching as well as interdisciplinary integrated curricula to help strengthen international career mobility of their students and develop the talents needed by rapid worldwide economic development.

Approximately 126,000 international students come to Taiwan to attend college every year; most of them come from ASEAN and South Asian countries. After they finish school in Taiwan and return home, they dedicate themselves to, and exert significant influence on, the development of their countries to help strengthen the relations between Taiwan and their countries. In order to attract even more students from ASEAN and South Asian countries, the Ministry of Education of Taiwan and Taiwan universities provide a variety of assistance and resources to them.

STUDENT

Outstanding students are entitled to various subsidies to earn degrees in Taiwan.

- **Full English Program**
  More than 90% of 399 degree programs were taught in English.

- **Holiday School**
  Invite students from ASEAN and South Asian countries through short-term cultural experience exchange programs to strengthen their affinity for Taiwan.

- **Advanced Placement and Articulation**
  Language training and basic courses are among others that are provided overseas.

- **High-level Talent Development**
  Customize Taiwan’s economic development experience-based short-term credit classes that are interdisciplinary across departments and schools for government officials and business management executives from ASEAN and South Asian countries to develop the high-level talents needed for economic development in their countries.

- **R&D Elite Development**
  Offer master’s and doctoral programs or joint dual-degree programs to develop the talents needed by key industries in Taiwan, as well as ASEAN and South Asian countries. The government organizations and/or businesses of Taiwan, as well as ASEAN and South Asian countries, together participate in the programs to provide subsidies for training and R&D incentives among others.

COOPERATION OR FINANCING FOR CURRICULUM DEVELOPMENT

- **Student Cooperation or Financing**
  For curriculum development

- **Advanced Placement and Articulation**
  Language training and basic courses are among others that are provided overseas.

- **Full English Program**
  More than 90% of 399 degree programs were taught in English.

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Under the scheme of “Higher Education Sprout Project,” currently there are 4 universities (National Taiwan University, National Cheng Kung University, National Tsing Hua University, National Chiao Tung University) with fundamental international competitiveness in their advantaged academic fields and well-established focal international faculties. With necessary and applicable resources, they would certainly develop into the key position of global research institutions. In addition, six Taiwan universities have established their international colleges based on their international competitiveness in the R&D domains in which they excel, and have selected internationally leading schools as their benchmarks to develop their own international R&D leadership.

<table>
<thead>
<tr>
<th>School</th>
<th>International College Development</th>
<th>Benchmark</th>
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<tbody>
<tr>
<td>National Yang-Ming University</td>
<td>Aging and Health Research Center</td>
<td>Institute of Gerontology, University of Tokyo</td>
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<tr>
<td>National Chung Hsing University</td>
<td>Animals, plants, and agricultural biotechnology</td>
<td>College of Agricultural and Environmental Sciences, UC Davis College of Agriculture and Life Sciences, Texas A&amp;M Borlaug Institute</td>
</tr>
<tr>
<td>National Central University</td>
<td>Earth sustainability and development</td>
<td>Earth-Life Science Institute, Tokyo Institute of Technology</td>
</tr>
<tr>
<td>National Central University</td>
<td>Intelligent system development</td>
<td>Tokyo Institute of Technology</td>
</tr>
<tr>
<td>National Sen Yat-sen University</td>
<td>Oceanography, aerosol research, and optoelectronic communication</td>
<td>UC San Diego</td>
</tr>
<tr>
<td>National Chengchi University</td>
<td>• Chinese culture vis-a-vis international communities: International sinology and Chinese language</td>
<td>• Fairbank Center for Chinese Studies and Department of East Asian Languages and Civilizations, Harvard University</td>
</tr>
<tr>
<td>National Chengchi University</td>
<td>• Global and regional development: Experiences from Taiwan and elsewhere in Asia</td>
<td>• Institute of East Asian Studies, UC Berkeley</td>
</tr>
<tr>
<td>Taipei Medical University</td>
<td>Clinical and Translational Science Collaborative (with Case Western Reserve University)</td>
<td>• Case Western Reserve University • Hokkaido University</td>
</tr>
</tbody>
</table>
To provide more diverse opportunities for academia-industry cooperation for R&D as well as overseas internships for students, Taiwan universities, overseas Taiwan businesses, and relevant industries, the Ministry of Education of Taiwan has taken the lead in establishing 7 Economic and Cultural Offices as well as Resource Centers for Economics, Industry, and Academy Cooperation in 2017 as a platform for resource integration and exchange among the said universities, businesses, and industries.

In 2018, the Ministry of Education of Taiwan further strengthened its integration of how the Taiwan Education Centers, Taiwan Connection, as well as Economic and Cultural Offices and Resource Centers for Economics, Industry, and Academy Cooperation work together and utilize resources, so that an even more positive image of Taiwan’s higher education will be developed.

Mode 2: Academic and Industrial Resource Center Development

To provide more diverse opportunities for academia-industry cooperation for R&D as well as overseas internships for students, Taiwan universities, overseas Taiwan businesses, and relevant industries, the Ministry of Education of Taiwan has taken the lead in establishing 7 Economic and Cultural Offices as well as Resource Centers for Economics, Industry, and Academy Cooperation in 2017 as a platform for resource integration and exchange among the said universities, businesses, and industries.

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Overseas Offices, Ministry of Education:
https://english.moe.gov.tw/cp-6-17528-5009f-1.html

Education Division,
Taipei Economic and Cultural Center in India
★Taiwan connection/education
★Industry-Academy Cooperation

Education Division,
Taipei Economic and Cultural Office in Malaysia
★Taiwan connection/education
★Industry-Academy Cooperation
Higher education in Taiwan will accomplish three major objectives, and strengthen international cooperation in five major aspects to create an even better international learning environment.
THREE MAJOR OBJECTIVES

Strengthen community outreach
- Fulfill university social responsibilities.
- Integrate relevant resources for local development.

Embrace the future
- Strengthen students’ interdisciplinary integration capabilities.
- Innovate and flip teaching.

Stay connected with international developments
- Guide universities to further strengthen the domains in which they excel.
- Demonstrate international competitiveness in various aspects.

INTERNATIONAL COOPERATION

Bilingual education
- Full English teaching
- International colleges

Student Recruitment
- Equal emphasis on quality and quantity of international students

International Recruitment of Talents
- Strengthen international recruitment of Scholars

Education Cooperation
- Promotion of international college features
MULTICULTURAL FUSION

With a population of 23 million people, Taiwan enjoys cultural diversity and harmonious coexistence of different faiths. Hokkien and Hakka cultures are unique to Taiwan, but Taiwanese society also incorporates elements of the American, European, Japanese, Korean, and Southeast Asian cultures. The major faiths in Taiwan include Buddhism, Protestantism, Roman Catholicism, and Taoism.

FOOD CAPITAL

Taiwan is world renowned for its delicious foods readily available at numerous snack stalls and restaurants throughout the island. Famous snacks include xiaolongbao (Chinese steamed bun), danzai noodles (oil noodles and bean sprouts as the main ingredients served in a small bowl and usually topped with meat or an egg boiled in soy sauce for an extra flavor boost), braised pork rice, and oyster omelets among many others, and there are also many Michelin-rated restaurants. Tourist night markets throughout the island are the favorite of students and young people who want to have fun, try delicious foods, and go shopping in one go.

CONVENIENT LIFE

Life is convenient enough in Taiwan, where there are more than 10,000 24/7 convenience stores providing almost everything needed in daily life, while photocopying, photographic processing, ticket booking, and tuition and bill payment are also available right there. Taiwan’s transportation network extends in all directions, with the Taiwan Railway encircling the island, the Taiwan Highspeed Rail connecting the north and south west coast, the Taoyuan Mass Rapid Transit System providing transportation between the Taoyuan International Airport and the Greater Taipei Area, sprawling mass rapid transit systems in Taipei and Kaohsiung, and many routes of public and tourist bus services in individual cities and counties.

PLEASE REFER TO THE FOLLOWING LINKS FOR FURTHER DETAILS.

- Ministry of Education: https://www.edu.tw
- Study in Taiwan: https://www.studyintaiwan.org/
- New Southbound Talent Development Program: http://www.edunspb.tw/
- Taiwan Scholarship and Huayu Enrichment Scholarship Program: https://taiwanscholarship.moe.gov.tw/web/index.aspx
- Mandarin On-the-Go in Taiwan: https://www.mgt.org.tw
- Internship in Taiwan-Taiwan Experience Education Programs: https://www.studyintaiwan.org/teep/