



SUSTAINABILITY REPORT TAMKANG UNIVERSITY

2021



TAMKANG UNIVERSITY

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FOREWORD

Tamkang University was founded in 1950 and has been in existence for 70 years while always attaching great importance to campus sustainability. From 2011 to 2013, it won Taiwan's Enterprise Environmental Protection Award for three consecutive years, and was awarded the "Honorary Enterprise Environmental Protection Award." In 2012, Tamkang was a permanent member of the Taiwan Green University Alliance, linking the power of various universities to jointly promote the work of green universities.

Times Higher Education (THE) in the United Kingdom conducts a ranking of university influence and measures the contribution of universities based on the 17 sustainable development goals announced by the United Nations. According to the niche and conditions to participate in this ranking, the university selected 7 sustainable development goals as evaluation items, including the 4th sustainable development goal of the "Quality of Education," the 6th goal of "Water Purification and Sanitation," the 7th goal of "Affordable Clean Energy," the 8th goal of "Employment and Economic Growth," the 11th goal of "Sustainable City," the 12th goal of "Responsible Consumption and Production," and the 17th goal of "Global Partnership."

Based on these 7 sustainable development goals, the report summarizes the university's four aspects of research, teaching, service, and campus governance. It further elaborates on the university's commitment to social responsibility and the efforts to promote the sustainable development of humanity. Under the joint efforts of all faculties and students, Tamkang looks forward to the implementation of the goal of sustainable development within the community.

Dr. Huan-Chao Keh
President, Tamkang University



NO POVERTY

Schooling subsidies and school fee reduction programs

Tamkang University (TKU) provides a variety of schooling subsidies and tuition and miscellaneous fee reduction programs to assist bereaved families of military personnel, teacher, and public servants, aboriginals, low-income households, low- and middle-income households, students with disabilities, children of people with disabilities, children of active military personnel or children from families with critical circumstances to go to school with peace of mind. In addition, various departments and offices on campus offer part-time work opportunities for students, and priority is given to those from economically disadvantaged families.

Open educational resources for lifelong learning

TKU provides abundant free and paid physical and online courses for the general public; the library's collections of books, journals, and online resources are open to the public's use upon application. The school also regularly organizes educational activities such as lectures and workshops for free participation.

Professional competence and skills training

In partnership with the Ministry of Labor's promotion of the New Elite Subsidy Program, TKU opened training classes such as Python, AI practice, and international digital marketing, assisting 60 unemployed

- 6,859 students received on-campus and off-campus scholarships and bursaries, of which 4,082 students were supported by the underprivileged study at ease program.
- 2,227 students were provided with a work-study allowance of NT\$73,718,017, of which 1,604 (about 72.02%) are economically disadvantaged students.
- 967 students applied for emergency relief grants totaling NT\$4.882 million in response to the impact of COVID-19 pandemic.

youths in rejoining the workplace.

Resource center for the visually impaired

TKU is one of the few universities in Taiwan that pioneered the admission of visually impaired students. It established the country's only visually impaired resource center to assist visually impaired students in their education and employment. In 2003, entrusted by the Ministry of Education, TKU started to undertake a center of assistive devices, providing braille book production, and established a Chinese Visually Impaired Library to provide a full range of book information services for the visually impaired. In 2009, it cooperated with Chunghwa Telecom and established the first visually impaired customer service center in Taiwan to promote employment opportunities for the visually impaired.

Volunteer service for the disadvantaged

Team up by the students of Tamkang University, the service group provides volunteer services for the indigenous people, new residents, the elderly, and the disabled, as well as academic tuition for children from disadvantaged families.

Community care center

Leading by the teachers from the Department

of Architecture, the students team up to support the local village offices in organizing activities for the elderly, providing tuition for children, and promoting works for placemaking to build a safe and livable community.

International partnership

In partnership with ECC school, a non-government organization in Cambodia, the professional service team "Economics and Education" led by the teachers from the Department





of Economics flies to Cambodia during summer and winter vacations every year, providing assistance and educational activities including language training, computer literacy training, environmental protection, health care, and local research, to the local communities. The village where ECC school is located is close to Angkor Wat, a world heritage site. It is an impoverished village where children generally look forward to becoming tour guides with a good income in the future. Therefore, English and computer skills are crucial to assist the village in

developing tourism. Even during the epidemic, we continued the educational services through physical and online methods. The short-term goal is to transfer the Tamsui experience, and the long-term vision is to help local villagers build their self-learning abilities.





ZERO HUNGER

Free meal voucher for the disadvantaged

To assist students from economically disadvantaged families or whose families are facing sudden incidents, the alumni association has formulated a “Tamkang Love Meal Voucher Program” that provides lunch and dinner vouchers to help the students to complete schooling with peace of mind.

University social responsibility projects

Amongst the USR projects promoted by the university, the project titled “The Impression of an Organic Tamsui” with a core mission of reducing carbon emissions and building sustainable homelands has been reaching out to the farming villages to reveal the status of agriculture in the present day. In 2021, the project took the students and residents to participate in works of placemaking, including building micro-markets to herb gardens, organizing agricultural experience activities, filming documentaries, redesigning packaging for small agricultural products, creating marketing channels, and cooperating with fundraising platforms to support industrial development to fulfill the social responsibility.

Promoting concepts of food miles

The TKU Taiwan Rice Festival, held every year in December, includes promoting on social networks the concepts and practices of “Traceless Dining,” “Shorten Food Miles,” and “Using Environment-Friendly Tableware.”

- Selected for the New Taipei City Agricultural Innovation University Alliance.
- Assist Sanzhi District with local regional revitalization proposals.
- Assist in the production and marketing of tea industry in Shimen District.
- Produced 4 agricultural and local regional revitalization videos, 3 rural commodity design drafts, and 4 food and agriculture education seminars.
- Total number of participants in related activities: 6937 people.

Supporting action for sustainable agriculture

The school opened a microcredit course called “rice seedlings planting” to invite the faculty and students and the public to experience the beauty of natural farming.

Support local agriculture

To help ease the excess harvest of pineapples in Taiwan, Mr. Chen Jing Cai, chairman of WIN Semiconductors Corp and an alumnus of Tamkang

University, ordered 1,372 boxes of fresh pineapples on April 18, 2021 to be enjoyed together by all teachers and students of his alma mater. Professors from the university’s Department of Water Environment then taught students how to turn leftover pineapple peels into compost, turn garbage into gold, and implement the spirit of the United Nations Sustainable Development Goals.



Flood forecasting system, early warning of flood, disaster reduction

Teachers from the Department of Water Resources and Environmental Engineering led a team (Water Environment Information Research Center) to assist Yunlin County in building a "Smart City Flood Forecasting System", using real-time monitoring data of the IoT, combined with the time series flood forecasting model, model corrections are then verified by actual rainfall events, and early warning of flooding occurs. The related research is titled "Self-organizing maps of typhoon tracks allow for flood forecasts up to two days in advance", published in *Nature*

Communications volume 11, Article number: 1983(2020), and cooperation with the Malaysian government was also established through the Taiwan Hydrological Information Society to assist Malaysia in building a regional flood forecasting system using technology export.





GOOD HEALTH AND WELL-BEING

School-subsidized health check-ups

Health check-ups for freshmen are conducted every year, and health check-ups for faculty and staff are subsidized once every two academic years. Both on-the-job and retired faculty and staff are eligible for subsidies. Contracts have been established with 4 off-campus health examination medical institutions, where faculty and staff can go to for health examinations.

Compulsory physical education courses

The school attaches great importance to cultivating students' eight basic literacy and core abilities and is committed to physical education teaching. It stipulates that students must take two years of physical education classes to help them establish positive and healthy exercise habits and lifestyles.

Positive sports environment

The school has a sports field with a 400-meter track



- Participated in the "2021 National College Smart Innovation and Cross-domain Integration Creation Competition" and won the second place in the "Digital Sustainability Technology" group and the second place in the "Somatosensory Interactive Technology" group.
- In 2021, the campus shared platform Tamkang iLife app added a new "SOS emergency help button", the system will send the location of the dialer to the service center and can automatically connect to the service center's dedicated line for help.
- The school has won the School Sports Excellence Group Award from the Ministry of Education Sports Administration in 2009, 2013, 2016, and 2020.

and field and a baseball and softball field. There is also a comprehensive stadium and a gymnasium. There are 9 basketball courts, 8 volleyball courts, 4 tennis courts, and 9 badminton courts on campus. The gymnasium houses a swimming pool, an ice-skating rink, an indoor court, a rhythm classroom, a billiard classroom, a weight training area, and a physical fitness classroom. The school also cooperates with nearby snooker halls and a golf course as a cooperative venue for off-campus education.

International Safe School Accreditation

Review the campus environment by the seven aspects of the international safe school, starting from the improvement of the "barrier-free environment" and "friendly campus" policies, to actively promoting the "healthy and safe campus" policy, which has achieved good results over the years. In 2008 and 2012, respectively, it passed the certification and recertification of the World Health Organization's International Safety School committee, becoming the first university in the world to be recognized as an "International Safety School". And in 2013, it was awarded the

"Friendly Campus Award" from the Ministry of Education, the only domestic university to win the award. The school introduced the cloud patrol concept, strengthened the timeliness and positioning functions of the emergency distress system, and established a more comprehensive campus protection network.

Epidemic prevention mechanisms

In response to the epidemic of "Severe and



Special infectious pneumonia”, our school has formulated "Tamkang University's contingency measures for "Severe Special Infectious Pneumonia" and "Responsive Measures for Faculty and Staff Dispatch Management" policies. Masks are to be worn within campus grounds at all times by all school personnel. Body temperatures are to be fully measured, and a real-time contact tracing system was implemented and should be carried out upon entering school buildings. The body temperature measurement status will be automatically filled in the "Independent health monitoring and reporting System" to implement the epidemic prevention policy.

Physical fitness promotion class

To provide the whole school's faculty, staff, students, and community residents with appropriate sports opportunities and cultivate good sports habits, the School's Sports Affairs Department runs various physical fitness promotion classes during the semester and offers swimming and various ball sports courses during the winter and summer. The school provides venues, equipment, and teachers to promote the concept of "lifelong sports".

Multi-disciplinary License Program

To enhance students' willingness to

participate in diversified sports activities and assist students in actively taking physical education courses to cultivate their expertise, the school offers courses such as "Professional Sports Services - Water Rescue License", "Sports, Recreation and Athletics - Badminton License" and "Sports, Recreation and Athletics - Basketball License". In addition, the basketball referee license class cooperates with inter-school tournaments, so that students can referee inter-school basketball tournaments once they have passed the basketball referee license.

Community educational courses

The Sports Office cooperates with local primary and secondary schools as well as neighborhood offices to provide diversified sports courses for elders from all neighborhoods and communities in the Tamsui area. Teachers visit junior high schools, primary schools, and communities in the area for physical education teaching, offering taekwondo lessons, various ball game courses, and water life-saving license training. The Promotion and Education Department of the school also provides a variety of life skills and second specialty courses, including floral design, music appreciation, to promote the health and well-being of people of all ages in their physical and mental lives.

Innovative research and development

In the "2021 National Intelligent Innovation and Cross-domain Integrated Creation Competition for Colleges and Universities", students from the department of electrical engineering designed an "interactive tongue muscle training device combined with AI" to assist the elderly in tongue muscle training, and won second place in the "Digital Sustainable Technology" category; Electrical engineering students developed a "game-based braille learning System" to increase the interest of visually impaired children in learning Braille, and won the second place in the "Somatosensory Interactive Technology" category.

Subsidy for epidemic prevention and accommodation expenses for overseas students

Subsidies for epidemic lodging fees are provided by the school to overseas students who have returned to Taiwan to study but must stay in epidemic prevention lodging due to the impact of the epidemic. The school also launched a fundraising campaign, with alumni, teachers, and students jointly raising NT\$ 3.2 million as a subsidy for epidemic prevention and accommodation for overseas students.





QUALITY EDUCATION

Open curriculum and open digital learning platform

The university is committed to promoting lifelong learning, attaches importance to the social responsibility of universities, and provides online learning courses. It uses the "Open Course YouTube Channel" to open general courses and lecture courses for free with the aim of providing higher education resources to the public; digital learning platforms such as "iClass Learning Platform" and "Moodle Distance Learning Platform" were set up and opened to provide free and open educational resources such as Massive Open Online Course (MOOC) for online learners from all over the world to join in the learning.

Professional Knowledge Service Learning and USR

The department offers professional service-learning courses and student associations to serve the community, as well as elementary schools and high schools; Teachers from the Sports Office visit neighborhoods and communities in Tamsui District to promote diversified sports courses for the elderly; the "University Social Responsibility Practice Project" is committed to promoting social responsibility and SDGs, and has organized several activities, such as food and agriculture education, Danlan sea and land light tourism and learning-oriented urban and rural construction, etc., and often holds lectures, workshops, and community education courses open to the public.

- 7 programs was awarded with excellent performance by the Ministry of Education, ranking first in the country.
- Over 200 lectures, workshops and community education courses were opened to the public.
- The USR program "Designing with a Playful Heart" won the Bronze Award of "Taiwan Sustainability Action Award".
- 21 teachers are listed on the World's Top 2% Scientists 2020; 23 in the World's Top 2% Scientists 2021.

Open Library Resources

The library provides free access to its collection of books, audio-visual materials, e-books, and e-journals in the library. People outside the school can enter the library with a registered pass; the library houses an EU Information Center (EUi), which provides books on European and EU research topics in addition to official EU publications and periodicals, issues e-

newsletters (free subscription), and is open to people from all walks of life to consult and use. Computers within the library can also be utilized by outside people, provided that they pay a small fee.

lifelong learning courses

LOHAS courses are opened to help the elderly practice lifelong learning; MOS



professional-level license courses have also been set up, and license examinations are handled every year; as well as various professional personnel license training courses, on-the-job training courses and visually impaired service courses, which provides life-long learning opportunities to the public.

Employability preparation

To understand the employment status of



graduates and the application of their studies in the workplace, and to serve as a reference for the improvement of school operation and school affairs, as well as the planning of departmental teaching and curriculum, the Alumni Service and Resource Development Office held a briefing session on March 10 at the Amazing International Conference Hall on the "Survey on the Flow of

Students Graduating in the 107th, 105th, and 103rd academic years after 1st, 3rd, and 5th years". The survey content mainly covers the employment flow, employment conditions, and school feedback. The survey data showed that the respondents were generally satisfied with the overall job satisfaction level and the respondents tended to be satisfied with the degree of compatibility between their current job and the professional training courses of their departments and degree programs. The average monthly income of our graduates is around \$31,000, which is higher than the average salary of university students as the number of years of graduation increases.

Sharing of resources within the alliance of universities.

To realize the resource-sharing concept of the "Excellent Long-Established University Consortium of Taiwan", Tamkang University, Soochow University, and Ming Chuan University have pioneered the co-purchasing and co-construction of a cloud library automation system (Alma) by private schools across the country and have established the "ELECT You San Library Automation Co-ordination Center Setup and Operation Measures. The cloud system provides a bitmap function, which is like a positioning

system for books, making it easy for teachers and students to find the location of books in the library. The three schools jointly promote the system through posters and electronic bulletin boards, allowing teachers and students to experience the convenience of combining technology to fast access to books. In terms of cross-school borrowing, You San has 3.16 million volumes of books. Teachers and students from the three schools can borrow books from fellow schools with their staff cards or student cards.





GENDER EQUALITY

Gender equality education

To promote substantive equality of gender status, eliminate gender discrimination, maintain human dignity, and cultivate and establish educational resources and environments for gender equality, the school has established a Gender Equality Education Committee following the "Gender Equality Education Law" and the provisions of the university's "Article 20 of the Organizational Regulations". The responsibilities are as follows :

1. Integrate the relevant resources of all units in the school, formulate an implementation plan for gender equality education, and implement and review its implementation results.
2. Plan or handle activities related to gender equality education for students, faculty, staff, and parents.
3. Develop and promote the curriculum, teaching, and evaluation of gender equality education.
4. Develop and promote the implementation of gender equality education and regulations on the prevention and treatment of sexual assault, sexual harassment, or sexual bullying on campus, establish mechanisms, and coordinate and integrate relevant resources.

Investigate and deal with cases related to the Gender Equality Education Law.

- The ratio of male to female full-time teachers is 2:1, the ratio of male to female staff is 1:2, and the ratio of female employees to concurrently as supervisors is over 61%
- In 2021, 30 employees was entitled and 9 applied for parental leave; the personnel reinstatement rate after taking parental leave is 80%, and the retention rate is 100%
- A gender equality theme exhibition was held in March 2021.
- "Gender Equality Education and Promotion" was implemented into the education and training of new staff in 2021.

5. Plan and establish a safe campus space for gender equality and regularly review improvement measures.

6. Collect information on the prevention and relief of sexual assault, sexual harassment, or sexual bullying on campus.

7. Promote family education and social education on gender equality in the community.

8. Other matters related to gender equality education in schools or communities.

Gender equality measures

In consideration of the hardships of both work and family, the university implements a gender-friendly workplace that cares for children by providing several gender equality measures in terms of leave, including physiological leave,





maternity leave, rest and recuperation, maternity leave, paternity leave, family care leave, and leave without pay for childcare.

Gender equality and women's studies

In order to promote gender equality education, the library has set up a gender equality research website to collect materials related to women's studies, gender equality, gender relations, and feminism, and to systematically develop the gender equality collection.

Gender equality friendly space

To provide a private, comfortable, and hygienic environment for breastfeeding female faculty and staff, a breastfeeding room was set up

in 2014 and renovated in 2018. In 2018, a toilet renovation project was carried out to upgrade the equipment in both the male and female toilets, expanding the space in the female toilets and installing emergency buttons. An all-gender toilet was also set up.

Gender equality seminar

Every March, the library, together with the General Education and Core Curriculum Center, holds an exhibition with the theme of "Gender Equality". In addition to the "Gender Equality Themed Book Fair", we also arranged a "Gender Equality Lecture Series". Each lecture is linked to a different gender equality theme and speakers cover topics such as "Philosophy and Religion",



"Global Science and Technology Revolution", "Art Appreciation and Creation", "Natural Sciences" and "Social Analysis" are invited to share, hoping to present a variety of gender-oriented topics, as well as expand students' learning horizons.

Pay scale equity

The salaries of the faculty and staff of the university are calculated following the "Standard Table for Calculating Salaries and Allowances for Faculty and Staff of Tamkang University" and the "Standard Table for Salaries and Allowances for Contractual Employees of Tamkang University." The ratio of basic salaries for men and women in

the same position is 1:1, with no gender pay gap. There are 102 full-time teachers serving as supervisors at or above the second level, 76 and 26 male and female supervisors respectively; 34 full-time employees serve as supervisors at or above the second level, and the number of male and female supervisors is 13 and 21 respectively. It shows that the school attaches great importance to gender equality in career development opportunities and guarantees gender pay equality.





CLEAN WATER AND SANITATION

Ensure the safety of water quality

In terms of water safety, the university uses tap water that meets our country's drinking water quality standards. The safety of water use is ensured through the inspection, management, maintenance, cleaning, and water quality testing of water storage towers, pipelines, and drinking water equipment. For drinking water, following the Regulations on the Use and Maintenance of Fixed Equipment for Continuous Drinking Water Supply, the University conducts quarterly sampling tests on 1/8 of the total number of drinking water dispensers, and all of them meet the drinking water quality standards.

Conservation of water sources

The water permeability rate of the Tamsui campus pavement is about 58%, and the water permeability rate of the Lanyang campus pavement is as high as more than 80%. New buildings on the campus conform to the concept of green buildings, emphasizing the water-retaining function of the base, effectively retaining rainwater from becoming run-off; from 2021, the campus will add "rainwater harvesting" facilities to gradually increase the rainwater recovery rate. Native and drought-tolerant plants are planted to reduce water consumption for sprinkler irrigation. Water-saving equipment is installed to reduce water consumption in bathrooms and toilets. In terms of wastewater treatment,

- The per capita water consumption was reduced to 45.84 liters/day, better than the average figure 133 liters/day of domestic colleges and universities (Data source: Ministry of Economic Affairs, Water Resources Administration).
- Held the "2021 SIG Water Resources Forum", inviting educational institutions at all levels, local organizations, and non-governmental organizations to participate, and gave 9 lectures and sharing on the theme of "Water Resources".
- Participated in the "2021 Water Conservation Good Fun Creative Competition—Soil and Water Conservation Children's Picture Book Creation Group" and was awarded the rank of first place.

domestic sewage is taken to the public sewage treatment plant through the sewer and discharged after it meets the discharge standards. Waste liquids generated by laboratories are temporarily stored and collected on campus and are regularly disposed of by qualified vendors of the Environmental Protection Department during each semester.

Environmental sustainability related courses

The Department of Water Resources and

Environmental Engineering is divided into the Water Resources Engineering Group and the Environmental Engineering Group to inspire students to use engineering and science to promote the protection of permanent resources and sustainable environmental development. In addition, to continue promoting environmental sustainability, the university has set up the "Sustainable Development Micro-course", offering courses in "Environmental Ethics", "Forest Ecology and Tree Protection", "Ecological



Community Construction", "Marine Technology", etc., which span the fields of humanities, society, and science and technology, to raise students' awareness of the major issues of global sustainable transformation and to build students' awareness and literacy of sustainable development.

Education and promotion of water conservation

We continue to update the use of water-saving labels and other equipment, striving to educate and promote water conservation through restroom advertising and multi-media promotion (Cyber Channel, Tamkang Times). Through the implementation of the program, teachers, in

conjunction with the public sector and corporations, guide the community to conduct beach cleanups and river surveys, and to understand and care for the water environment in their hometowns. This is part of our school's efforts to support the sustainable use of water resources.

Energy Research for Supporting Water Sustainability

The Department of Water Resources and Environmental Engineering, the Water Resources Research Center, the Water Environment Information Research Center, as well as the Center for Marine and Underwater Technology Research have been working closely with



government water-related departments, such as the Environmental Protection Department, the Water Resources Department, and the regional river bureaus, to support water management practices through academic research and to provide opportunities for faculty and students in related disciplines to develop their expertise. In addition, we have also cooperated with the "Smart City Flood Forecasting System" to assist Malaysia in the development of a regional flood forecasting system.

Local Learning and Watershed Curriculum

Under the theme of "Watershed Curriculum", we collaborated with local primary and secondary schools and local workers to develop a local

environmental education curriculum. The curriculum includes stream water quality monitoring, watershed model mapping, and three sets of UbD (Understanding by Design) lesson plans.

Cambodia ECC partnership program

The school is working with the Cambodian NGO ECC school on international education, making environmental sanitation education a mandatory part of the curriculum. The school takes elementary school students on a river cleanup project in the PO village of Siem Reap, observing the types of trash and shaping local people's awareness of sanitation and water conservation.





AFFORDABLE AND CLEAN ENERGY

Introduction of international environmental management standards

Since the implementation of the ISO14001 environmental management standard in 2003, the university has gradually implemented various energy-saving measures. An energy-saving monitoring system was established in 2006, and the verification of campus greenhouse gas emissions was carried out in accordance with the ISO14064-1 standard in 2013. In 2015, it passed the ISO50001 energy management standard, and supervised, reviewed, and reviewed the implementation benefits of various energy-saving plans through the "Environmental Sustainability Promotion Committee".

Environmental protection and energy saving assessment awards

The University was awarded the "Enterprise Environmental Protection Award" of the country for three consecutive years, from 2011 to 2013, as well as the Silver Award of the "Energy Saving Benchmark Award" from the Ministry of Economic Affairs of the Executive Yuan in 2017. In 2019, the newly completed Hsu Shou-Chlien International Convention Center on the Tamsui Campus won the Silver Green Building Mark. In 2022, the university continues to apply for the "Energy-saving Benchmark Award" competition of the Ministry of Economic Affairs of the Executive Yuan and challenges itself to continue to move towards the energy-saving benchmark.

- Achieved at least 1% annual electricity savings for 7 consecutive years
- Carbon emissions of 12,193.74 metric tons in 2021, a 7.68% reduction from the previous year
- Reduced electricity tariff to NT\$62.69 million/year in 2021 (the highest tariff ever reached NT\$91.26 million/year)
- From July 2021, a total of 1,636 solar panels was installed, with a total system wattage of 539.88kW and a power generation efficiency of 545,385 kWh per year.
- From 2015 to 2021, we were awarded the "Green Procurement Merit Award" six times by the Environmental Protection Bureau of the Taipei City Government.

Innovation incubation and environmental protection research

The university has a Department of Water Resources and Environmental Engineering, and a school-level research center. It also has a Water Environment Information Research Center. With the United Nations Sustainable Development Goal "Clean Water and Sanitation" as the main research

goal, it continues to collaborate with the government, private enterprises, or third sectors; for instance, our faculty members serve as independent directors of the Taiwan Water Supply Corporation to assist the Environmental Protection Agency in promoting the Water Safety Plan; assist private enterprises in the treatment of industrial wastewater, enhance the water quality testing



capabilities of water purification plants, and jointly develop clean water technology; serve as a disaster prevention advisory committee of government departments, and are commissioned by the Water Conservancy Department of the Ministry of Economic Affairs to provide reservoir flood control operation system maintenance and operation consultation, assess reservoir capacity and effectively discharge floods, to reduce the overflow disasters caused by floods, and reduce the loss of life and property caused by typhoons and floods. The university's "TKU Champion Incubation Center" provides regular counseling for start-ups applying for low-carbon economies or technologies, assists stationed manufacturers in applying for government programs, provides loans and venture capital fund-related information, and develops environmental software development

and application plans. The Incubation center also offers courses to assist start-ups in fundraising and marketing, and to match industry-university cooperation with teachers in our school.

Green energy sustainability cooperation with alumni

Since 2021, the university has been working with SINBON Electronics, an alumni company, to bring green electricity to the campus and build solar panels in swimming pools and stadiums. It is expected to reduce carbon emissions by 277 tons per year. It is expected that more than 10 million degrees of green electricity will be generated in the next 20 years, which is equivalent to the carbon adsorption capacity of 14.2 Daan Forest Parks.



Continue to make impacts

The university serves as a model for "glocalization" and leads the growth of elementary and middle schools in Tamsui, Lanyang, and the North Coast region. In collaboration with seven local elementary schools, NGOs, and the "SDGs Environmental Sustainability Workshop" opened by the Tamsui District Office, the "Tamsui Declaration on Ecological Sustainability" was released, and after consensus was reached, three action plans were proposed for the government, schools, and individuals to demonstrate our commitment to ecological conservation and environmental protection. Through the Innovation Incubation Center, the University provides regular counseling to start-ups that apply low-carbon economy or technology to fulfill the University's social responsibility.





DECENT WORK AND ECONOMIC GROWTH

Fair and open selection system

All faculty and staff are recruited openly and fairly. Employment of teachers must be reviewed and approved by the evaluation committees at the department level, college level, and school level, while staff members are recruited through open recruitment of reserve staff and are selected for appointment through interviews when there are vacancies. In addition, the University conducts staff promotion examinations following the "Staff Selection and Promotion Regulations" and staff performance evaluations by the "Staff Evaluation Regulations", clearly specifying the criteria to be met for each level of performance and establishing a mechanism for interviews and counseling for those with poor performance to ensure the fairness and integrity of promotion examinations and performance evaluations.

Fair salary system

The university has established the "Faculty and Staff Salary System" and the "Faculty and Staff Salary Scale" to facilitate the clarification of salaries and promotions for all faculty and staff. In addition, the university has established various incentives for research and teaching, so that the actual salaries of teachers are higher than those of most national universities. The average salary of our staff is also within 50% of the national ranking of labor salaries, thus ensuring that faculty and staff can contribute their efforts without fear.

- Cheers Magazine's "2022 Corporate Favorite Universities" Private University No. 1.
- No. 1 private university in the "2022 Corporate Favorite Universities" survey by 1111 Human Resources Bank.
- Following the pay scale adjustment of the military and public education, the university implemented a 4% increase in the employee salary on January 1, 2022.
- In 2021, 80 staff and faculty are offered full-time and part-time jobs after retirement from their previous position.

Equal working environment

The full-time teaching staff of the school are hired on an indefinite contract, which guarantees that they can work until the statutory retirement age, unless they are unfit according to the law, they will be dismissed. The ratio of male to female full-time teachers is 2:1, the ratio of male to female staff is 1:2, and the ratio of female employees to concurrently as supervisors is over 61%, indicating that the school attaches great

importance to gender-equal workplace development opportunities and guarantees gender pay equality. In addition, the Student Affairs Office has an Aboriginal Student Resource Center, which shows that the school attaches great importance to the employment and well-being of the Aboriginal people, and ensures that the university's employment of faculty and staff is based entirely on professional ability and experience, and that no different considerations



are made on the basis of race, ideology, religion, party affiliation, national origin, place of birth, gender, sexual orientation, marriage, physical appearance, or physical or mental disability.

Ensuring the rights and welfare of faculty and staff

Per the regulations of the student-teacher ratio of the Ministry of Education, the school employs sufficient full-time and part-time teachers to ensure the continuous improvement of teaching quality. A reasonable student-to-employment ratio is also established to ensure the continuous improvement of service quality. At the same time, to protect the rights and interests of employees, strengthen the communication of opinions, and enhance the harmony of the campus, labor-management meetings are held every quarter. The "Tamkang University Teacher Grievance Review Committee" and "Tamkang University Staff Grievance Review Committee" have been established to handle faculty grievances and staff



grievances following the relevant regulations to ensure the rights and welfare of faculty and staff. The University has also established a "Prevention of Unlawful Assault in the Performance of Duty Plan" and the principal has stated in writing on May 7, 2021, that anyone who witnesses or hears of an incident of unlawful assault in the workplace may call the University's helpline (ext. 3648). Anyone who receives a report will be investigated confidentially, and if the investigation is substantiated, the individual will be punished by the relevant regulations.

Professional competence training

The university continues to strengthen the training and learning related to the sustainable development of faculty and staff and AI innovation knowledge and has built a Microsoft license examination room certified by the global industry. Through various software and hardware technologies, AI and cloud applications are used to enable teachers, students, alumni, and even alumni enterprises to increase functional development and employment competitiveness. A College of Artificial Innovative Intelligence has also been established. It introduces more than 200 world-class curriculum resources from Microsoft, covering five major fields such as "AI, IoT, big data, cloud computing, innovation and entrepreneurship" to build digital capabilities for students to better meet future career needs, and will continue to cooperate with enterprises in

industry and academia to provide teacher training for teacher seeds, student leadership training, and guidance for AI certification. It is expected that after the license examination center is opened, 26 AI international license exams will be provided to practice the convenience of on-site license examinations.

Education and employment for the people with physical and mental disabilities

The university is one of the few schools in Taiwan that pioneered the admission of visually impaired students and established the only Resource Center for the Visually Impaired in Taiwan. Since then, the school has expanded its services to people with different types of

disabilities, including assistance and counseling in life and employment, helping people with physical and mental disabilities to overcome their inherent disadvantages and enhance their employability. In 2003, the school was commissioned by the Ministry of Education to handle the business of visually impaired assistive devices centers and visually impaired braille books in colleges and universities and high schools and established a Chinese visually impaired library to provide a full range of book and information services for the visually impaired. In 2009, we collaborated with Chung Hwa Telecom to establish the first visually impaired customer service center in Taiwan to promote employment opportunities for the





INDUSTRY, INNOVATION AND INFRASTRUCTURE

Develop a cloud-wide campus

TKU cooperates with Microsoft to develop a cloud-wide campus and fully promotes Smart PDCA (Paperless, Digital, Collaborative, Automatic and intelligent) to effectively streamline administrative processes and time costs; digitize courses and use online real-time or asynchronous teaching methods during the epidemic to continue our education and learning while physical classes are suspended; We have also created a real-world AI application field on campus and built a global industry-certified Microsoft license examination center to empower teachers, students, alumni, and even alumni companies to enhance their functional development and employment competitiveness.

Digital teaching and distance learning courses

The school has formulated policies such as "Digital Teaching Implementation Rules" and "Remote Teaching Curriculum Subsidies and Reward Points", encouraging teachers to offer digital teaching and remote teaching courses to improve the quality and effectiveness of related teaching courses, to provide students with a diversified learning environment and methods, and to help open up educational resources for use by people outside the school.

Establishing a College of Artificial Innovative Intelligence

A College of Artificial Innovative Intelligence has

- In 2021, in response to the COVID-19 epidemic, the iClass mobile learning platform was combined with MS Teams to provide online real-time or non-synchronous teaching and learning solutions.
- Participated in the "2021 National University and College Smart Innovation and Cross-Domain Integration Contest" and won the 2nd in the "Digital Sustainability Technology" category and the 2nd place in the "Physical Interaction Technology" category.
- The Reality Field of the Artificial Innovative Intelligence College won the "2021 American Muse Design Competition Silver Award".

been established by the university. It introduces more than 200 world-class curriculum resources from Microsoft, covering five major fields such as "Artificial intelligence, Internet of Things, big data, cloud computing, innovation and entrepreneurship" to build digital capabilities for students to better meet future career needs, and will continue to cooperate with enterprises in industry and academia to provide teacher training

for teacher seeds, student leadership training, and guidance for AI certification. It is expected that after the license examination center is opened, 26 AI international license exams will be provided to practice the convenience of on-site license examinations.

Support new low-carbon technology start-ups

The TKU Champion Incubation Center



provides regular counseling for new start-ups applying low-carbon economy or technology, assists resident manufacturers in applying for government projects, provides information on loans and start-up funds, and develops environmental software development and application projects. The Incubation Center also offers courses to guide new ventures in fundraising and marketing, and to match industry-academia cooperation with our teachers.

Promote circular economy

The school cooperates with the company "Continental Carbon" to combine the educational knowledge of circular economy to design carbon

black hands for parents and children to do popular science activities, and plan universal chemistry education courses throughout Taiwan.

Research Energy to Support Industrial Innovation

The school has 4 campuses (Tamsui campus, Lanyang Campus, Taipei Campus, Cyber Campus), 9 colleges, 44 departments, 46 master's classes, 16 doctoral classes, 10 school-level research centers, and 20 college-level research centers. The university is a fully functional comprehensive university with abundant research capacity to support the upgrading and renovation of infrastructure and industry, improve energy



efficiency, and develop environmental technology and industrial processes, including assisting in solving the difficult fly ash problem generated when incinerating garbage, improving recycling technology for the country's wastewater treatment industry, and saving wastewater treatment costs ; We have also developed a "Smart City Flooding Forecasting System", which uses real-time monitoring data from the Internet of Things to combine a time-series flooding forecasting model with actual rainfall events to validate model corrections and provide early warning before flooding outbreaks; designed an "interactive tongue muscle training device with AI" to help

elderly people train their tongue muscles; and developed a "game-based Braille learning system" to enhance the interest of visually impaired children in learning Braille.

Building a resilient infrastructure

The budget for energy conservation and improvement projects is prepared every year, and a resilient and sustainable campus is built through measures such as replacing energy-consuming equipment, building green electricity, implementing green procurement, developing sustainable transportation, and revitalizing old spaces and buildings to increase energy utilization.





REDUCED INEQUALITY

Schooling subsidies and Scholarships

Tamkang University a variety of financial aid and fee remission programs to help students who are the survivors of military and civil servants, indigenous people, low-income families, low- and middle-income families, students with physical and mental disabilities, children of people with physical and mental disabilities, children of active-duty military personnel, and children from families in special circumstances to attend school. The school also offers more than 20 types of internal scholarships, including scholarships for students with physical and mental disabilities and Friendship Scholarships, as well as work-study opportunities in various departments and divisions.

Open education resources and lifelong learning opportunities

The school has a large number of physical and online courses for the public to participate for free or for a fee, library resources are open for use by people outside the school, and many lectures and seminars are held for free for the community to participate in, providing lifelong learning opportunities for people outside the school.

Training courses to flip economic vulnerability

The school cooperates with the Ministry of Labor's industry new elite subsidy program to open Python, AI employment practice classes, and international enterprise

- 6,859 students received on-campus and off-campus scholarships and bursaries, of which 4,082 students were supported by the underprivileged study at ease program.
- 2,227 students were provided with a work-study allowance of NT\$73,718,017, of which 1,604 (about 72.02%) are economically disadvantaged students.
- The Council of Indigenous Nationalities provided NT\$1,884,000 in scholarships, with 98 applications from the university.

digital marketing talent training classes to serve the unemployed youth and improve their employability by cultivating workplace skills.

Gender equality education

To promote substantive equality of gender status, eliminate gender discrimination, maintain human dignity, cultivate, and establish educational

resources as well as environments for gender equality, the school has established a Gender equality Education Committee in accordance with the "Gender Equality Education Law" and the "Article 20 of the school's "Organizational Regulations".



Resource center for people with physical and mental disabilities

The university is one of the few schools in Taiwan that pioneered the admission of visually impaired students and established the only Resource Center for the Visually Impaired in Taiwan. Since then, the school has expanded its services to people with different types of disabilities, including assistance and counseling in life and employment, helping people with physical and mental disabilities to overcome their inherent disadvantages and enhance their employability. In 2003, the school was commissioned by the Ministry of Education to handle the business of visually impaired assistive devices centers and visually impaired braille books in colleges and universities and high schools and established a Chinese visually impaired library to provide a full range of book and information services for the visually impaired. In 2009, we collaborated with Chung Hwa Telecom to establish the first Visually Impaired Customer Service Center in Taiwan to promote employment opportunities for the visually impaired.



Assisting the visually impaired with information technology

The Visually Impaired Center, the National Museum of Natural History, and Chunghwa Telecom jointly organized the "Assisting the Visually Impaired with Information Technology" activity. Using the "Museum Visually Impaired In-depth Guided Tour Integration Program" jointly developed by Chunghwa Telecom and Tamkang University, visually impaired individuals are arranged to visit The National Museum of Natural Science, and the QR code for mobile smart navigation and guided tours is used to expand the braille touch interface and barrier-free guided tours for visually impaired individuals to help them "see" the museum.

Youth/elderly co-learning and after-school companionship

Our USR program team and student volunteer groups are based in neighborhood offices or community organizations to build a companionship mechanism that serves the elderly and students in the community, providing long-term care points and after-school care and



remedial teaching to support community life.

ECC Cambodia partnership program

The teachers from the university's Department of Economics train student teams that travel to Cambodia every winter and summer, where they cooperate with the local NGO ECC school to carry out international education work, including English teaching, computer teaching, environmental health education, and cultural exploration. The world heritage site Angkor Wat is close to the village where ECC school is located. It is a poor village where local children generally look forward to becoming well-paid tour guides in the future. Therefore, they need English

skills and computer skills in order to develop their tourism business. While carrying out local service work, the team of teachers and students realized the serious problems of environmental hygiene, and incorporated environmental hygiene education as a necessary curriculum, leading primary school students to work together through river cleaning, with the aim of raising local people's awareness of hygiene. Even during the epidemic, work continued to be promoted, through physical and online methods, gradually expanding from a single-point dialogue to more professional links and seminars.





SUSTAINABLE CITIES AND COMMUNITIES

Safe, inclusive, accessible, and green campus

TKU is committed to creating an environmentally friendly and ecological campus. The Tamsui campus is known as a "campus without walls." On the campus, the diverse plant ecology, a maritime museum displaying ancient and modern ship models from China and foreign countries, an art center that hosts aesthetic festivals, and a library that provides a treasure trove of human knowledge, etc., are all open to the community. It is an area for community residents to exercise and engage in leisurely activities, as well as a high-quality learning environment for outdoor teaching in primary and secondary schools.

Safe, affordable, accessible, and sustainable transportation systems

Actively promote "low-carbon environmental protection," "energy-saving and power-saving measures," "environmentally friendly buses," transfer systems, etc., which allowed the university to win the "Taiwan Corporate Sustainability Awards" in 2021 and 2022. We also promote "Micro-mobility" and advocate the concept of the "last mile" through low-carbon means such as walking, bicycles, and electric bicycles. An exclusive pedestrian path that leads from Tamkang University Light Rail Station to the campus has been built; public bicycles, buses, and MRT routes around the campus are set up to form a complete and convenient

- The former alumni hostel "Ying Yuan House" with a history of 60 years was rebuilt and revitalized into a memorial hall as well as the school history gallery.
- The old principal's office building "Chueh-Hsuan House" was transformed into a featured restaurant on campus through BOT methods to avoid the large resource consumption generated by the demolition and reconstruction.
- The "Next Step, New East Village" dormitory renovation plan to create a multi-purpose space that improves the quality of student accommodation and strengthens the connection of learning has received a full subsidy of 88.6 million yuan from the Ministry of Education.

public transportation network. To enhance the willingness of faculty, staff, students, and even friends with disabilities to use public transportation; the "campus bus" service frequency has been increased 100 times compared to the original morning, afternoon, and evening shifts to enhance the convenience of traveling between Tamsui campus and the MRT station. The walled campus has become the best relay point to and from Tamsui MRT Station for residents of neighboring communities and allows

surrounding residents to enjoy the accessibility of





public transportation services.

Protection and inheritance of cultural heritage

Tamsui is listed as one of "Taiwan's World Heritage Potential Sites," with 35 historic sites and historical buildings. Our teachers and students are actively involved in the recording and protection of local cultural assets. Our school pioneered the study of "Tamsuiology." Through the modes of characterization, documentaries, publications, and topical website construction, we continue to record what happened in Tamsui, as well as the way people in Tamsui get along with the land, so that local culture will continue to be valued, be affirmed, and the residents can create an emotional connection with Tamsui. The "Tamsui Wiki" founded by teachers of the university is a combination of digital technology and humanistic care, integrating historical research, community management, electronic publishing, video narrative, etc., through online/

offline learning and co-creation, telling the story of the Tamsui area.

Reducing the negative impact of urban development

In terms of reducing the negative impacts of urban development, especially urban waste, the university's Campus Planning Committee has stipulated not to construct any new buildings in the next five years (2021-2025) and to give priority to evaluating the durability of old



buildings and reusing the space in an adaptive manner to reduce the environmental impact of the campus and avoid wasting building materials. We will also promote various measures to save electricity and energy, reduce water and waste, increase the proportion of renewable energy, and reduce greenhouse gas emissions.

Researching energy to support sustainable development

The university continues to collaborate with the government, private enterprises, and third sectors on research for sustainable development,

including assisting private enterprises in the treatment of industrial wastewater and jointly developing clean water technologies. The university is entrusted by the Government's Water Conservancy Department of the Ministry of Economic Affairs to develop a flood forecasting system. The school also provides regular counseling for start-ups applying for low-carbon economies or technologies, assisting entrants in applying for government projects, providing loans and venture capital fund-related information, and developing environmental software development and application plans. Courses are also provided





RESPONSIBLE CONSUMPTION AND PRODUCTION

Sustainable consumption

To promote responsible consumption, the university has formulated policies such as "source reduction," "green procurement," "resource recycling" and "hazard prevention." The food supplied by catering manufacturers is required to comply with relevant safety and hygiene regulations. Local ingredients are given priority, and genetically modified ingredients are prohibited; The university purchases a variety of products with the environmental protection label. In 2021, the money spent on the procurement of green products with the environmental protection label amounted to NT\$7.98 million. The university was also awarded the "Green Procurement Award" by the New Taipei City Government for six consecutive years from 2015 to 2021.



- In 2021, the school's procurement of green products with environmental protection labels amounted to more than NT\$ 7.98 million.
- Awarded the "Green Procurement Excellence Award" by the Taipei City Government for six consecutive years, from 2015 to 2021.
- In 2021, the resource recovery volume was about 104.6 metric tons, with a recovery rate of 17.15%, an increase of 2.13% over the previous year.

Reduce waste generation

The university sets up an Environmental Protection and Safety and Health Center to strictly manage and properly dispose of the hazardous wastes produced by teaching experiments. The center follows regulations and combines the ISO45001 occupational safety and health standards to ensure personnel health and environmental safety. The whole school implements the classification of garbage; the restaurant strictly implements the classification and recycling of kitchen waste, and no garbage is sent to the landfill. The store does not provide plastic bags and disposable straws. The restaurant uses high-temperature cleaning for reusable tableware, promotes low-carbon lunch boxes, and provides discounts for bringing your own environmentally friendly tableware. Orders from catering manufacturers must be logged on the campus food ingredients registration platform for inspection. Relevant policies shall be extended to supplier outsourcing services and supply chains.

Reducing the negative impact of urban development

In terms of reducing the negative impacts of

urban development, especially urban waste, the University's Campus Planning Committee has decided not to construct any new buildings in the next five years (2021-2025) and to give priority to evaluating the durability of old buildings and reusing the space in an adaptive manner in order to reduce the environmental impact of the campus and avoid wasting building materials. We will also promote various measures to save electricity and energy, reduce water and waste, increase the proportion of renewable energy, and reduce greenhouse gas emissions.

Practice of University Social Responsibility

"Agriculture/Food class" - non-toxic, organic impression Tamsui project, operates with carbon reduction and creating a sustainable homeland as its core. Through the process of "knowing agriculture, developing agriculture, and creating agriculture," we dive deep into the agricultural society and sort out the current state of local agriculture. In 2021, we continued to involve ourselves in the community and lead students to invest in local creation, from building micro markets to herb gardens, organizing agricultural

experience activities, shooting documentaries, redesigning packaging for small agricultural products, creating marketing channels, cooperating with fundraising platforms, and supporting Industrial Development.

Researching energy to support sustainable development

The university continues to cooperate with the government, private enterprises or third sectors. Our cooperation includes assisting private enterprises in the treatment of industrial wastewater and jointly developing clean water technologies; The university was also commissioned by the Government's Water Conservancy Department of the Ministry of Economic Affairs to develop a flood forecasting

system; We also provide regular counseling for start-ups applying for low-carbon economies or technologies, assist entrants in applying for government projects, provide loans and venture capital fund-related information, and develop environmental software development and application plans; Courses are also provided to guide start-ups in fundraising and marketing, and match industry-university cooperation with teachers of our school. Teachers from the Department of Chemical Materials guided students to participate in the 2019 "2nd College Green Chemistry Creative Competition" co-organized by the Bureau of Toxic and Chemical Substances, Environmental Protection Agency, Executive Yuan, and the Ministry of Education, with us winning the best work in the university



category with the project "Electrospinning of Poly (Lactic acid) by Using Environmentally Friendly Solvents" and achieving good results among the 21 groups of junior colleges and universities in the country on November 19. The 12 Principles of Green Chemistry are guidelines for the development of environmentally sound products and processes and are widely valued by the chemical community. Submicron/nanofibers were prepared by combining methyl acetate (MAc) and dimethyl sulfoxide (DMSO) organic compounds with electrospinning technology, and MAc and DMSO were mixed into a 7:3 co-solvent to prepare 8wt% polymer solution for electrospinning to reduce harm to the environment.

Commitment to Sustainability

To demonstrate its commitment to sustainability, Tamkang University released the "2020 Tamkang University Social Responsibility and Sustainability Report" in June 2021 to examine the implementation and effectiveness of its sustainability initiatives. The 2021 Sustainability Report was awarded the "Bronze Award" in the Taiwan Corporate Sustainability Awards, as well as the "Sustainability Performance Award - Social Inclusion Leadership Award" and two "Sustainability Goals and Actions Awards. The report was analyzed on major issues and certified by a third party in accordance with the international standard GRI criteria, in order to make the report precise and



CLIMATE ACTION

Promoting environmental sustainability education

The university provides students around the world with educational opportunities to learn good water management. The Department of Water Resources and Environmental Engineering, divided into the Water Resources Engineering Group and the Environmental Engineering Group, inspires students to use engineering and science as a means to promote the protection of water resources and the sustainable development of the environment. In addition, to continue the promotion of environmental sustainability and enhance students' awareness of major issues regarding global sustainable transformation, to speculate on the challenges of coexistence between people and the environment under the digital transformation, and to integrate sustainability goals into professional knowledge, a "micro-course for Sustainable Development" has been set up, which is open to all students. Elective subjects include "Environmental ethics," "Forest ecology and Tree protection," "Ecological community construction," "Marine science and technology," as well as courses that span across the humanities, society, and science and technology fields to enhance students' awareness of major issues of global sustainable transformation and lay the foundation for students' awareness and literacy of sustainable development.

- Established the Center for Sustainable Development and Social Innovation to promote sustainable development-related work.
- Awarded the "Green Procurement Award" by the New Taipei City Government for six consecutive years from 2015 to 2021.
- Achieved at least 1% annual electricity saving rate for 7 consecutive years
- Carbon emissions in 2021 was 12,193.74 tons, a 7.68% reduction from the previous year.
- From July 2021, a total of 1,636 solar panels was installed, with a total system wattage of 539.88kW and a power generation efficiency of 545,385 kWh/y.

Practicing green life

Good water management, efficient energy use, and the continuous increase in the proportion of renewable energy have a key impact on the reduction of global greenhouse gas emissions. The University first passed the ISO 14064-1 greenhouse gas emissions verification in 2013, and then introduced the ISO 50001 energy management system to conduct campus energy audits in order to keep track of energy-intensive units and space equipment; to establish regulations and measures for green purchasing and green building; and to provide environmental labels, energy saving labels, water saving labels, green building materials labels, and carbon labels when purchasing software and hardware equipment,

consumables, and construction materials. In addition, the university has established various regulations and measures for water, waste, and plastic reduction, including the installation of water recycling equipment, the pricing and environmental classification strategy for the campus food court, and the promotion of a



paperless campus administration system.

Research and Promotion

The University has a Department of Water Resources and Environmental Engineering as well as a Center for Water and Environmental Information Research in the University Research Center. With the United Nations sustainability goal of "clean water and sanitation" as the main goal of research, the University continues to work with the government, private enterprises, and third sectors. Our faculty members serve as independent directors of the Taiwan Water Supply Corporation and assist the Environmental Protection Administration in promoting the Water Safety Plan; assist private enterprises in treating industrial wastewater, improving water quality testing capabilities at water purification sites, and jointly developing clean water technologies; serve as advisory members of government departments on disaster prevention; and are commissioned by the Water Resources Administration of the Ministry of Economic Affairs to provide consultation on the maintenance and operation of the reservoir flood control and operation systems and to assess the capacity of reservoirs for effective flood discharge, to reduce flooding, and to reduce the loss of life and property due to typhoon flooding.

Fostering new low-carbon industries

The Center provides regular counseling to start-ups applying low-carbon economy or

technologies, assists incoming companies in applying for government programs, provides information on loans and venture funds, and develops environmental software development and application programs. The Incubation Center also offers courses to assist start-ups in fundraising and marketing, and to facilitate industry-academia collaboration with our faculty. The Office of Research and Development is responsible for university-wide industry-academia collaboration, patent application maintenance, technology transfer, and new innovation incubation. The Water Resources Center uses a green system to help analyze reservoir data and monitor it in real time to prevent flooding; the Undersea Center researches the extraction of deep-sea water and develops it into edible products.

AI+SDGs= ∞

With "AI+SDGs= ∞ " as the development direction of school affairs in the 2023-2027 academic year, the school integrates the United Nations Sustainable Development Goals (SDGs) and the concept of world citizenship into teaching, research, and school affairs development, integrates local, international, wisdom, future, and other elements, properly use AI big data, network, cloud technology, and implements related courses. In 2020, the College of Artificial Innovative Intelligence was established. The University has since then formed an alliance with Microsoft Taiwan as a strategic partner. It uses "AI and

cloud service technology" to support the extensibility and replicability of environmentally sustainable work, including the integration of AI courses, remote courses, and real-world resource platforms. Strategic partners have been formed with 17 companies to link innovative services and resources in curriculum, teaching, research, and administration to create an "all AI" education environment. In June 2022, it signed an MOU with Far East Tone Telecom. Working together to create a "5G Meta Cosmic Net Zero Carbon Emission Campus ". In the future, it will continue to upgrade the campus environment, teaching content, and school affairs implementation efficiency, and firmly move towards the commitment to achieving net zero carbon

emissions by 2050.

Release of the Sustainability Report

The "Tamkang University Sustainability Report 2021" was compiled in accordance with the Global Reporting Initiative (GRI) guidelines issued by the Global Sustainability Reporting Institute (GSI) and presents critical issues of concern to academic and administrative units and stakeholders. The report follows the four major principles of GRI 101: inclusivity, materiality, responsiveness, and impact; and takes five major issues: governance, human resource development, school operations, environmental sustainability, and social inclusion as the main axis for presenting issues. The major issues are analyzed





LIFE BELOW WATER

SIG Ocean Action Forum

The USR Program Office, in collaboration with National Taiwan Ocean University and Taipei University of Marine Science and Technology, conducted presentations on topics such as "Ocean and Marine Education" and "Marine Environmental Education in Practice" to introduce the ocean and underwater resources, and explore how to conduct marine environment education through practical actions, as well as inviting attendees to sign on to support the Ocean Action Initiative.

Cetacean ecology and the ocean

To raise awareness of cetacean ecology and the marine environment, teachers and students are invited to watch a movie to promote sustainability. Cheers Magazine, in collaboration with O-Turn Films and Activator Co., Ltd. Invites Teachers, students, and alumni of Tamkang University to watch the documentary "Whale Island" at 7pm on April 14th at Vie Show Cinemas in Taipei Q-square, with the purpose of promoting marine sustainability and cetacean ecology education. the school are. "Whale Island" is the work of director Huang Jia Jun. As the azure ocean fills the big screen, the audience travels through it as though seated within a submarine, gazing at the marine creatures that they can rarely get close to, and rethinking the relationship between personal life and the ocean.

- Organized the "2021 SIG Water Forum" to explore how to educate the marine environment through practical actions and co-signed the "Ocean Action Initiative".
- Won the first place in the "2021 Fun and Creative Water Conservation Competition – Creation of Water and Land Conservation Children's Picture Book Category".
- Organized the "Lecture on Marine Science and Humanities" to explore the linkages between marine life, human activities, and environmental changes.

Tamsui River clam fishing experience

The USR program staff of our school cooperated with local fishermen in Tamsui to launch the Tamsui River clam fishing experience, which was open for public participation. Under the introduction and guidance of local fishermen, the trainees rediscovered the ecology of freshwater waters, learned about local fishing methods, and deepened their awareness of the conservation of freshwater waters.

General lecture on marine science and humanities

The Center for Marine and Underwater Science and Technology held the "General Lectures on Marine Science and Humanities". The topics of the lectures included "Development of Marine Science and Exploration of Marine Environment in the Waters Near Taiwan", "Development and Conservation of Underwater Cultural Relics", and explores the links between marine life, human activities, and environmental



changes, as well as explaining the Nation Ocean Policy White Paper to build a "sustainable marine nation with ecology, security, and prosperity".

Northeast Coast day study

The school collaborates with the National Institute of Oceanography and Soochow University, and invites teachers, students, and the public on a trip to the Centennial Fishing Village in Gongliao District, New Taipei City to learn about the traditional culture and marine ecology of the north coast. The fishing village is located in a sea area rich in marine biological resources. Under the leadership of scholars and local professionals, the participating students will learn about the unique local sea women's occupations,

stone houses and history and culture, deepen the people's willingness to be pro-sea, and jointly think about how to protect the ocean and realize the vision of a sustainable ocean.

Soil and Water Conservation education

A team of students from the Department of Water Resources and Environmental Engineering and the Department of Chinese created "The White Fish Family", which illustrates the impact of riparian ecological practices on underwater life and won the first place in the "2021 Fun and Creative Water Conservation Competition – Creation of Water and Land Conservation Children's Picture Book Category".



Beach Cleanup Activities

Each year, the University holds several beach clean-up activities, leading students and teachers to beaches near Tamsui, promoting education on eco-environmental conservation and supporting eco-sustainability through action.



LIFE ON LAND

Micro-programs for sustainable development

In order to continue promoting environmental sustainability, we have set up the "Sustainable Development Micro-curriculum", offering courses in "Environmental Ethics", "Forest Ecology and Tree Protection", "Ecological Community Building", "Marine Technology", etc., which span the fields of humanities, society, and science and technology, in order to raise students' awareness of the major issues of global sustainable transformation and to build students' awareness and literacy of sustainable development.

Promoting sustainable agriculture

The USR project "Agriculture/Food Class", a non-toxic, organic impression Tamsui program, is practiced from the three main axes of knowledge farming, physical farming, and agricultural creation. The program includes the construction of herb gardens, agricultural experience, documentary filming, designing, repackaging, and thinking about marketing channels for high-quality small agricultural products, holding marketplaces, promoting characteristic agricultural products, and cooperating with fundraising platforms to jointly support non-toxic and organic sustainable agriculture.

Promoting Soil and Water Conservation

A team of students from the Department of Water Resources and Environmental Engineering and the

- 7 plans regarding university social responsibility formulated by Tamkang have been approved by the Ministry of Education and will be implemented. The content of the plans involves environmental sustainability issues.
- 2021 Tamkang University Sustainability Report won the 2022 TCSA Taiwan Corporate Sustainability Award "Sustainability Report - Gold Award." The report is compiled in accordance with the Global Reporting Initiative (GRI) guidelines issued by the Global Sustainability Reporting Institute (GSI) and presents critical issues of concern to academic and administrative units and stakeholders.

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Aquaponics system

The Circular Economy and Green Finance Research Center use the teaching and research value of the aquaponics system as its application. The aquaponics system combines aquatic animal excrement and organic matter in the water to decompose and filter into nitrates that can be absorbed by plants, which are supplied to the





vegetables on the rearing box; at the same time, the vegetable root system can purify the water and supply it to aquatic animals. The aquaponics symbiosis system is donated and sponsored by the University's Alumni Association. More similar stations are expected to be installed at several locations within the Tamsui campus and will be integrated with the curriculum to promote the concept and practice of circular economy and promote environmental sustainability.

Promote green building standards

The school stipulates that new (modified)

buildings must follow the relevant guidelines of the Green Building Standard. Green building refers to a building that consumes the least amount of earth resources, uses the least energy, and produces the least waste during the life cycle of a building (a series of processes that starts from the production of building materials to the planning, design, construction, use, management, and demolition of a building). Green buildings are buildings that take into account ecology, energy saving, waste reduction, and health. The nine indicators include ecological diversity, greening indicators, base water retention indicators, daily

energy-saving indicators, carbon dioxide reduction indicators, waste reduction indicators, indoor environmental indicators, water resource indicators, and sewage and garbage improvement indicators.





PEACE, JUSTICE AND STRONG INSTITUTIONS

Labor-Management Relations

To protect the rights and interests of employees, enhance communication, and promote campus harmony, regular labor-management meetings are held with equal representation from both employers and employees to strengthen labor-employee relations and protect the rights and interests of employees. At the same time, a Teacher Grievance Review Committee and a Staff Grievance Review Committee have been established to handle grievance cases related to teachers' and staff's rights and interests respectively following the relevant regulations.

School affairs evaluation

Since 1998, the school has been conducting the "Comprehensive Evaluation of School Affairs" and "Satisfaction Survey of School Affairs" annually. In the former, qualitative, and quantitative indicators are set to evaluate the overall school affairs. In the latter, questionnaires are administered to "teachers," "students," and "administrators" to understand the satisfaction level of internal and external customers. The information collected from the self-evaluation and the results of the questionnaire survey are compiled and analyzed into the "School Self-Assessment Report", which provides a reference for the development of school affairs and serves as a basis for business improvement for all units of the school.

- In 2021, four labor-management meetings were held, and the minutes of these meetings are available in the Labor-Management Meetings section of the Human Resources Division website.
- On January 5, 2021, the "Citizens' Meeting —Participation Decision" was held, and the teachers and students of the Zhongshan Experimental Primary School in New Taipei City were invited to discuss the issue of how to use the new school site.
- More than 100 teachers serve as consultants, review members, professional review members, review members or advisory members in government units, assisting the government in formulating or promoting policies related to sustainable development goals.
- More than 20 teachers serve as directors, supervisors, unpaid directors, or chairmen in NGOs, helping to formulate SDG policies.

Teaching evaluation

The mid-term survey and the final evaluation are conducted every semester. They are anonymous and provide a channel for students to express their opinions on teaching and learning and serve as a basis for teachers to make teaching diagnoses. The mid-term survey is conducted after the students add and drop courses each semester, and the feedback collected is used as a reference

for teachers to help them revise their teaching methods and strategies. The survey data are handled in confidential documents to protect the rights of students and teachers.

Workplace assault prevention plan

The university has also established a "Prevention of Unlawful Assault in the Performance of Duty Plan" and the principal has



stated in writing on May 7, 2021, that anyone who witnesses or hears of an incident of unlawful assault in the workplace may call the University's helpline (ext. 3648). Anyone who receives a report will be investigated privately, and if the investigation is substantiated, the individual will be punished under the relevant regulations.

Personal information protection and management system

The school continues to promote a personal information management system, and internal

personal information audits are conducted by externally recognized school auditors from December to January each year as an important part of the school's overall quality management system.

Gender equality education committee

To promote gender equality, the University has established the "Implementation Regulations for Gender Equality Education," "Regulations on Prevention and Handling of Sexual Assault and



Sexual Harassment," and "Regulations on Prevention of Sexual Harassment in the Workplace. In addition, respect for diverse gender differences will be taught through educational methods, fostering a gender-equal educational learning environment.

Civic Awareness Education

1. General studies and core curriculum: We offer courses such as Modern Civics Micro Program, Civil Society, and Engagement to enhance students' understanding of current national issues and social phenomena (informational) and to groom them to become citizens who care about and understand future developments (futuristic). The courses cover topics such as non-profit organizations and global issues, social innovation, business and law, life and law, democratic politics, civil society, civic culture, technological society and civic participation, constitution and human rights, intellectual property rights and law, and information life and law.

2. Sharing of social innovation practice implementation: On January 5, 2021, hosted by the University's Institute of Curriculum and Teaching and co-organized by New Taipei City Zhongshan Experimental Primary School, the "Citizen Conference" Participation Decision" was held, inviting the Teacher/Student body of New Taipei City Zhongshan Experimental

Primary School to discuss the issue of how to use the new school site.

3. Civic action oriented curriculum design model: Using global issues as examples, the professors of the Institute of Curriculum and Instruction developed the "Civic Action Oriented Curriculum Design Model", which integrates global issues such as consumption, carbon reduction, wetland conservation, and climate change into the curriculum, educating students to become inquirers and caregivers of global issues, as well as actors in social transformation.

Partners for SDGs

More than 100 faculty members serve as advisors, reviewers, professional reviewers, assessors, or advisory members to government agencies, assisting them in developing or promoting policies related to sustainability goals; more than 70 faculty members serve as directors, supervisors, unpaid directors, or chairmen in NGOs, and work with them to develop policies related to sustainability goals.



PARTNERSHIPS FOR THE GOALS

Domestic and International Sustainability Partners

To promote sustainable development, we must gather global forces, and good practices must be expanded and replicated in the fastest way possible, and more organizations around the world must be called upon to participate in sustainable actions. Therefore, the school actively establishes partnerships with domestic and foreign industry, government, academia, and non-governmental organizations to jointly promote the goal of sustainable development. including:

1. Signed an MOU with the Taiwan Institute for Sustainable Energy (TAISE) to promote sustainable development goals.
2. Signed an MOU with the Taiwan Art Revitalization Foundation to help local youth promote regional revitalization.
3. Collaborated with Hao-Shi Sustainability Services to promote sustainability education through the form of a SDGs tabletop boardgame.
4. Joined the "Taiwan Talent Sustainability Action Alliance (2022 TALENT)"
5. Partnered with ECC School, a Cambodian NGO, to promote international education and environmental protection for local students.

- The "2021 University Sustainable Development Goals and Industry Development Exchange Workshop" was held to explore the linkage between the United Nations Sustainable Development Goals (SDGs), ESG, and University Social Responsibility (USR) through forum lectures and exchange activities, as well as creating opportunities for industry-academia cooperation and promotion.
- In 2021, the University joined the "Taiwan Talent Sustainability Action Alliance (2022 TALENT)", signed an action declaration, and combined the strength of the government and enterprises with the aim of promoting Taiwan's talents in the field of sustainable development.

6. Collaborated with Microsoft to create a fully cloud-based campus.

students and 40 dual degree programs in 28 schools in 9 countries.

Establishing an international education network

In 1968, the university established its first sister university relationship with Chuo University in Japan, and by 2021, it has established sister school relationships with 246 sister universities on five continents. Currently, there are 1,735 foreign

In 2021, the university deepened cooperation with 12 sister universities in 6 European countries, including France, Germany, Belgium, Spain, Hungary, and the United Kingdom, with a total of 32 students from Europe coming to study at the university.



Participation in SDGs policy development

More than 100 faculty members serve as advisors and members of government agencies, assisting the government in formulating or promoting policies related to sustainable development goals; more than 70 faculty members serve in non-governmental organizations to help promote sustainable development. Among them, teachers from the Department of Water and Sanitation serve as independent directors of Taiwan Tap Water (Stock) Company affiliated to the Ministry of Economic Affairs, members of the "Taipei City Disaster Prevention and Rescue Expert Advisory Committee" of the Taipei City Government, and members of the "Techi Reservoir Watershed Management Committee" of the Ministry of Economic Affairs to promote the government's water resources-related sustainable development goals; teachers from the

departments of civil Engineering, water Environment, transportation and management assist the Executive Yuan and local governments in reviewing engineering development and disaster prevention plans; teachers from the Department of Chinese and the School of Education assist the government in formulating and reviewing primary and secondary school education policies and work results; teachers from the European Institute serve as the government's advisory committee on EU issues and serve as an advisory member of the Institute of Industrial Relations; the Department of Economics assisted Cambodian NGO organizations ECC School in establishing a fish and vegetable symbiosis system; teachers from the Department of Chemistry assisted the government in the development of new anti-kidney cancer agents and biochemical treatment technologies.



- The "Sustainable Development: Taiwan and the World" online summer course, established in 2021 was attended by 125 students from 31 schools in 18 countries alongside Tamkang University students.
- In 2021, we held 23 interactive activities that provided local internationalization related educational experiences for elementary and middle school students in New Taipei City, to enhance their international perspective and education. A total of 1,048 primary and secondary school students participated.
- In 2021, we offered a total of 1,258 courses related to sustainability, with 60,417 students taking said courses.

SDGs alliance program

From 2019 and onwards, this project focuses on climate change as the theme of the local SDGs alliance and in 2020, coastal actions on marine waste issues were discussed. In 2021, it focused on the sustainable management of water resources and invited different stakeholders and groups to participate in the formation of local awareness, where we push for local change together.

Implementing SDGs education

We are committed to promoting education related to the goal of sustainable development throughout the school. We offer various sustainability-related courses open to students, including the mandatory "Exploring Sustainability" and "AI Learning" courses, as well as general education courses such as "Ecological Community Building", "Disadvantaged Groups and Social Welfare", and "Marine Technology", to



build up students' knowledge regarding sustainable development. The courses span from humanities, society, and science to raise students' awareness of the major issues related to global sustainable transformation, and to consider the challenges of coexistence between human beings and the environment in the face of digital changes.

Global Action Practice Program

The school promotes the "Global Service Internship Program" (GSIP) and the "Global Action Practice (GLAP)". The former is a partnership between government departments and NGOs in Southeast Asia and Japan in which our counterparts designate the topics and students

from our university carry out research in the form of international internships; the latter is to cooperate with the Community Development Association of Yilan County, new residents/migrant workers groups, literary and historical institutions, and primary schools in aboriginal areas to practice the university's social responsibility tasks and build local connections.





2021年，共6,859名學生獲校內、外獎助學金；扶助弱勢，安心就學方案為4,082人次。

提供學生工讀金計新臺幣7,371萬8,017元，計2,227名學生申領，其中1,604名額為經濟弱勢學生。

SDG1：消除貧窮

助學政策及工讀機會，協助經濟弱勢家庭學子安心就學

本校提供各種就學補助及學雜費減免方案，協助軍公教遺族、原住民籍、低收入戶、中低收入戶、身心障礙學生、身心障礙人士子女、現役軍人子女或特殊境遇家庭子女安心就學。另外，校內各系所及處室設有工讀機會，優先提供經濟弱勢家庭學生申請。

開放教育資源，提供終身學習機會

本校設有大量實體及線上課程，供民眾免費或付費參與，開放圖書館資源供校外人士使用，並且舉辦諸多講座、研討會，免費供社會人士參與，提供校外人士終身學習機會。

職能培訓課程，翻轉經濟弱勢

本校配合勞動部產業新尖兵補助計畫，開設Python、AI就業實戰班、國際企業數位行銷人才培訓班，服務失業青年，透過培養職場技能，提升其就業力。

成立資源中心，協助身心障礙人士就學就業

本校是台灣少數開創視障生入學的學校之一，並成立全國唯一的視障資源中心，之後，服務對象更擴及至不同障礙類別的身心障礙人士，服務項目包括生活方面及就業就學方面的協助及輔導，協助身心障礙人士翻轉先天弱勢，提升就業力。2003年受教育部委託，辦理大專院校暨高中職視障輔具中心及視障點字圖書業



2021年，提供因應嚴重特殊傳染性肺炎影響衝擊學生生活緊急紓困助學金計新臺幣488萬200元，967名學生申領。

務，並成立華文視障圖書館，提供視障者全方位的圖書資訊服務；2009年與中華電信產學合作，成立全國首座視障客服中心，促進視障者就業機會。

學生志願服務隊，服務弱勢族群

由學生組成志願服務社團，利用寒暑假至國內各地區輔導原住民及新住民、服務老人及身障者，以及為弱勢家庭學童課輔等服務。

建置社區照顧據點，進行鄉里陪伴計畫

由建築系教授率領學生團隊，支援里辦公室的老人活動課程，營造鄉里周邊環境營造，輔導學童課後照顧工作，推動地方創生工作。

柬埔寨專業知能服務團隊「經探號」

本校經濟系教授培訓學生團隊，每年寒暑假前往柬埔寨與當地非益利組織ECC school合作，進行國際教育工作，包含英語教學、電腦教學、環境衛生教育，以及當地文化踏查。ECC school所在的村落緊臨世界遺產吳哥窟，是一個貧困村落，當地兒童們普遍期盼未來能成為有豐厚收入的導遊，因此他們需要英文能力與電腦能力，藉以發展觀光事業。我們透過師生團隊將教育輸出到當地，即使是疫情期間，仍然持續以實體搭配線上的方式推動。短期目標是透過淡水經驗進行教育與引導，長期願景是協助在地村民建立自我學習能力。





入選新北市農業創生大學聯盟。
 協助三芝區地方創生提案。
 協助石門區茶業產銷並設計新商品。

SDG2：消除飢餓

提供愛膳餐券，照顧經濟弱勢

為照顧經濟弱勢或家庭突遭變故之在校學生，使其順利就學，減低其生活困難之壓力，或過度因打工而影響課業及就學，本校校友會特訂定淡江愛膳餐券計畫，提供在學期間中餐及晚餐餐券，以幫助淡江學子安心就學。

大學社會責任實踐計畫

本校『農』情『食』課—無毒、有機印象淡水計畫，以延續、減碳與永續家園為核心，透過「知農、體農、創農」的過程，深入農業社會，理清當地現階段農業現況。2021年持續深入社區，帶領學生投入地方創生，從建置微型市集到香草花園，辦理農事體驗活動，拍攝紀錄影片，為小農產品重新設計包裝，開創行銷通路，與募資平台合作，扶持產業發展。



推廣食物里程觀念

每年12月舉辦「TKU台灣米食節」，結合社群網路宣傳，提高活動參與度，推廣「無痕飲食」、「縮短食物里程」、「使用環保餐具」的觀念。

春耕插秧，支持永續農業

本校微學分課程「春耕插秧體驗」，邀請全校師生及校外人士體驗自然農法，感受土地生命力，從而推廣惜福惜食的觀念。

支持在地農業

2021年4月18日，本校校友穩懋集團董事長陳進財有感於鳳梨盛產，特別從屏東訂購1,372箱新鮮鳳梨贈母校，發送全校師生一同享用，並由本校水環系教授帶領學生將鳳梨皮做成堆肥，將垃圾點成金，落實聯合國永續發展目標的精神。



產出農業及地方創生影片4支、農村商品設計3件、食農教育研討4場
 相關活動總參與人數：6937人次。

淹水預報系統，預警水患，降低災害

本校水資源及環境工程學系教師率領團隊（水環境資訊研究中心），協助雲林縣建置「智慧城市淹水預報系統」，運用物聯網即時監測資料，結合時序性淹水預報模式，再透過實際降雨事件驗證模式修正，在水患爆發前提早預警。相關研究以〈Self-organizing maps of typhoon tracks allow for flood forecasts up to two days in advance〉為題，發表於2020年《自然通訊》第11卷（Nature Communications volume 11, Article number:1983 (2020)），並透過台灣水文資訊學會與馬來西亞政府合作，以技術輸出方式，協助馬來西亞建置區域淹水預報系統。





參與「2021 全國大專校院智慧創新暨跨域整合創作競賽」獲得「數位永續科技」組第二名及「體感互動科技」組第二名。

於 98、102、105、109 年度四度獲得教育部體育署獎勵學校體育績優團體獎殊榮。

SDG3：良好健康與福祉

定期辦理健檢

每年辦理新生健康檢查作業，每 2 學年補助 1 次教職員工健康檢查，在職及退休教職員工皆得享補助。與校外 4 間健檢醫療機構簽署合約，教職員工可至該院所進行健檢。

必修體育課程

本校重視培養學生八大基本素養與核心能力，致力於體育教學，規定學生必修兩年體育課，協助其建立正向健康的運動習慣與生活型態。

完善體育運動環境

本校設有運動場 1 座，內有 400 公尺田徑場及棒壘場，另設綜合球場一座及體育館一座，校內共設置 9 面籃球場、8 面排球場、4 面網球場、9 面羽球場。體育館內設有游泳館、溜冰場、室內球場、韻律教室、桌球教室、重量訓練區、體適能教室。本校也與附近撞球館及高爾夫球場合作，作為校外建教合作場地。

國際安全學校認證

按照國際安全學校的七大面向來檢討校園環境，從改善「無障礙環境」與「友善校園」，進而積極推動「健康安全校園」，多年來已有良好成效，分別於 2008 年及 2012 年，通過世界衛生組織國際安全學校認證及再認證，成為全世界第 1 所獲得「國際安全學校」肯定的大學。並於 2013 年榮獲教育部「102 年度友善校園獎」，為唯一獲獎的國內大學。本校導入雲端巡邏的概念，強化緊急求救系統的即時性與定位功能，建立更全面的校園防護網。

防疫與遠距機制

因應「嚴重特殊傳染性肺炎」疫情，本校訂有「淡江大學教職員工因應『嚴重特殊傳染性肺炎』應變措施」、「教職員工差勤管理應變措施」，人員進入學校全程配戴口罩，全面量測體溫，實施入館實聯制，會自動將體溫量測狀況填入「自主健康監測回報系統」，落實防疫政策。

體適能促進班

為提供全校教職員工、學生及社區居民適當的運動機會，培養良好的運動習慣，本校體育事務處於學期中開辦各類體適能促進班，於寒暑期間開辦游泳及各種球類運動課程，由本校提供場地、設備及師資，推廣「終身運動」的理念。

多元面向證照課程

為提升學生在學期間參與多元體育活動的意

願，協助學生積極選修體育課程，以培第二專長，本校開設「體育專業知能服務—水上救生證照」、「運動休閒與競技實務—羽球證照」與「運動休閒與競技實務—籃球裁判證照」課程，其中籃球裁判證照班更與校際賽事合作，如學生考過籃球裁判證照，可擔任校際籃球比賽的裁判，讓學生學以致用。

生活系列課程

本校體育處與地方中小學及鄰里辦公室合作，由體育處教師至淡水各鄰里及社區進行銀髮族長者多元化運動課程推廣，並至國中、小學及社區進行體育教學，開設跆拳道、各種球類課程及水上救生證照等。本校推廣教育處亦開辦各類生活技能及第二專長課程，包括花藝設計、音樂欣賞等課程，促進各年齡層人士身心生活之健康與福祉。

創新研究發展

「2021 全國大專校院智慧創新暨跨域整合創作競賽」中，電機系學生設計「結合 AI 之互動式舌肌訓練裝置」，協助年長者進行舌頭

肌肉的訓練，獲得「數位永續科技」組第二名；電機系學生開發「遊戲式盲文學習系統」，以提高視障兒童學習盲文點字的興趣，獲得「體感互動科技」組第二名。

境外生防疫旅宿費補助

本校為返台就學，卻因受疫情影響必須入住防疫旅宿之境外生，提供防疫旅宿費補助。本校亦發起募款活動，由校友、師長及學生共同募集新臺幣 320 萬，做為境外生防疫旅宿補助經費。





2021 年申請教育部研究計畫 129 件，獲績優計畫 7 件，達全國之冠。

2021 全球前 2% 頂尖科學家 (World's Top 2% Scientists 2020)，本校共計 28 位學者上榜。

SDG4：優質教育

開放式課程與開放式數位學習平台

本校致力推廣終身學習，重視大學社會責任，提供線上學習課程，以「開放式課程 Youtube 頻道」免費開放一般課程與講座課程，為大眾提供高等教育資源；設置開放式數位學習平台「iClass 學習平台」、「Moodle 遠距教學平台」，提供磨課師課程 (Massive Open Online Course, MOOC) 等免費且開放的教育資源，供世界各地線上學習者加入學習。

專業知能服務學習與 USR

系所開設專業知能服務學習課程及學生社團至社區或國小、高中服務；體育處教師至淡水區各鄰里及社區進行銀髮族長者多元化運動課程

推廣；「大學社會責任實踐計畫」致力推動社會責任及 SDGs，舉辦多項活動，如：食農教育、淡蘭海陸輕旅遊及學習型城鄉建構等，並經常舉辦向公眾開放之講座、工作坊及社區教育課程。

開放圖書資源

圖書館提供免費使用館藏圖書、視聽資料、電子書、電子期刊，校外人士憑證入圖書館；圖書館設置歐盟資訊中心 (EUi)，除歐盟官方出版品外，亦提供歐洲與歐盟研究主題之書籍與期刊，並發行電子報 (免費訂閱)，開放各界人士諮詢利用，並提供校外人士以付費方式使用電腦。



2021 年 USR 計畫「玩心設計行動」獲「臺灣永續行動獎」銅獎。

2021 年辦理向公眾開放之講座、工作坊及社區教育課程逾 200 場次。

2021 年教發中心辦理教師教學增能研習活動 42 場，共 1,297 人次參與化學趴趴走活動推廣基礎科學教育入選親子天下 2021 教育創新領袖。

終身學習課程

開設樂活課程提供銀髮人士活到老學到老；開辦 MOS 專業級證照課程，每年辦理證照考試；辦理各類專業人才證照培訓課程、在職進修課程及視障服務課程，給予社會大眾提供終身學習之機會。

就業力準備

為瞭解畢業生就業狀況、所學在職場上之應用契合度，作為辦學與校務發展改善、系所教學與課程規劃研議之參考，校友服務暨資源發展處於 3 月 10 日在驚聲國際會議廳舉辦「107、105、103 學年度畢業滿 1、3、5 年學生流向追蹤問卷調查」說明會，調查內容主要為就業流向、就業條件及學校回饋，調查資料顯示：「目前工作整體滿意度」普遍呈現滿意，「目前工作內容與就讀系所、學位

學程專業訓練課程相符程度」受訪者趨向符合。本校畢業生工作月平均收入落在 31000 元左右，隨畢業年數增加，高於平均大學生薪資。

大學聯盟資源共享

本校與東吳、銘傳大學為實現優久大學聯盟資源共享理念，首創全國私校共購共建雲端圖書館自動化系統 (Alma)，訂定「優久大學聯盟優三圖書館自動化統籌中心設置及運作辦法」。雲端系統提供架位圖功能，猶如圖書之定位系統，方便師生在圖書館找到書籍所在位置。三校透過海報及電子佈告欄聯合推廣、宣導，讓師生體驗結合科技快速找書的便利性。跨校借書方面，優三圖書達 316 萬冊，三校師生持教職員證或學生證即可赴友校借書。





2021 年享有育嬰假的員工共計 30 人，申請育嬰假者 9 人；休完育嬰假後復職率為 80%，留任率為 100%。
2021 年 3 月舉辦性別平等主題展。

SDG5：性別平等

性別平等教育

本校為促進性別地位之實質平等，消除性別歧視，維護人格尊嚴，厚植並建立性別平等之教育資源與環境，依「性別平等教育法」及本校「組織規程第二十條」規定，設置性別平等教育委員會，職掌如下：

- 一、統整學校各單位相關資源，擬訂性別平等教育實施計畫，落實並檢視其實施成果。
- 二、規劃或辦理學生、教職員工及家長性別平等教育相關活動。
- 三、研發並推廣性別平等教育之課程、教學及評量。

- 四、研擬與推動性別平等教育實施與校園性侵害、性騷擾或性霸凌之防治規定，建立機制，並協調及整合相關資源。
- 五、調查及處理與性別平等教育法有關之案件。
- 六、規劃及建立性別平等之安全校園空間與定期檢視改善措施。
- 七、蒐集校園性侵害、性騷擾或性霸凌防治及救濟等資訊。
- 八、推動社區有關性別平等之家庭教育與社會教育。
- 九、其他關於學校或社區性別平等教育事務。



2021 年新進職員教育訓練進行「性別平等教育宣導」。

2021 年新聘教師座談會進行「性別平等友善環境的教育認知宣導」。

性別平等措施

為體恤同仁同時兼顧工作與家庭的辛勞，落實照顧幼兒之性別友善職場，本校在請假方面提供多項性別平等措施，包括生理假、產假、安胎休養、產檢假、陪產假、家庭照顧假及育嬰留職停薪等。

性別平等與婦女研究

為推動性別平等教育，本校圖書館設置性別平等研究網頁，蒐集與婦女研究、性別平等、兩性關係、女權主義等主題之相關資料，有系統地發展性別平等館藏。

性別平等空間友善化

為鼓勵女性教職員工生哺餵母乳，2014 年於海事博物館地下一樓（M102）規劃並建置哺

（集）乳室，提供隱密舒適衛生的環境，並於 2018 年重新建置；2018 年在校內宮燈教室區進行廁所整修，除將設備更新，擴大女廁空間外，並皆加裝緊急按鈕，為提升性別平等意識，亦新增一間無性別廁所。

性別平等講座

每年 3 月，本校圖書館聯合通識與核心課程中心，舉辦「性別平等主題展」，除舉辦「性別平等主題書展」，並安排「性別平等系列講座」，每場講座連結至不同的性平主題，邀請到涵蓋「哲學與宗教」、「全球科技革命」、「藝術欣賞與創作」、「自然科學」及「社會分析」等學門領域的講者進行分享，希望能夠呈現多元面向的性別主題，拓展學生的學習視野。





2020 年人均用水量約為 58.08 公升/日，2021 年降低至 45.84 公升/日，優於國內一般大專院校人均用水量 133 公升/日。

SDG6：潔淨水與衛生

確保水質安全

本校在用水安全方面，使用符合我國飲用水質標準之自來水，並透過蓄水塔、管線及飲水設備的巡檢管理、保養清洗及水質檢測，確保用水安全無虞。飲用水部分，依據我國飲用水連續供水固定設備使用及維護管理辦法，每季實施飲水機台總數 1/8 的抽測作業，皆符合飲用水水質標準。

水源涵養保育

淡水校園鋪面透水率約 58%，蘭陽校園鋪面透水率高達 8 成以上；校園新建建築符合綠建築概念，強調基地保水功能，有效留住雨水不讓其成為逕流；2021 年起校園內新增「雨撲滿」設施，逐步提升雨水回收比率；種植原生植物及耐旱植物，減少噴灌用水；使用節水標章設備，降低浴廁用水。在廢水處理方面，校園生活污水透過污水下水道接管至公共污水處

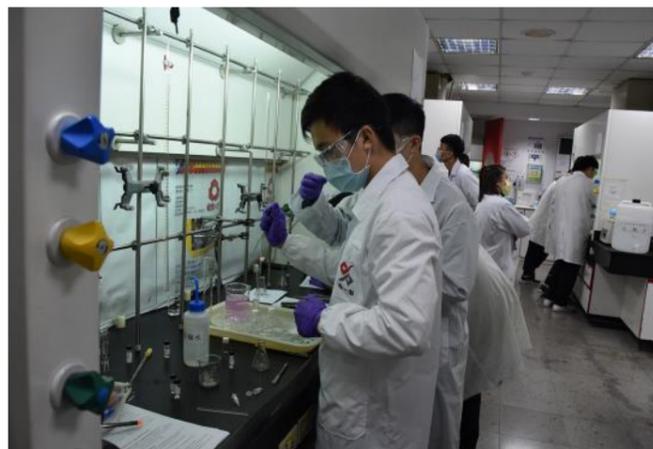
理場，經處理後符合排放標準才進行放流；實驗室產生之廢液由校內暫存收集，每學期定期委由環保署合格廠商清運處理。

環境永續相關課程

本校設有水資源及環境工程學系，分為水資源工程組及環境工程組，啟發學生以工程及科學為手段，促進水資源保護及環境永續發展。另外，為持續推展環境永續，設置「永續發展微學程」，開設「環境倫理」、「森林生態與樹木保護」、「生態社區建構」、「海洋科技」等，橫跨人文、社會、科技領域的課程，以提升學生對全球永續轉型重大議題的認知，奠定學生永續發展的意識及素養。

節水用水教育宣導

持續更新使用節水標章等設備，致力節約用水的教育及宣導，透過廁所文宣、多媒體宣導（賽博頻道、淡江時報）等方式，進行教育宣



榮獲「2021 水保好好玩創意大賽—水土保持兒童繪本創作組」全國第一。

舉辦「2021 SIG 水資源論壇」，邀集各級教育機構、地方組織及民間單位參與，以「水資源」為主題進行 9 場演講及分享。

導。校園的推廣，則透過學生社團寒、暑假服務隊下鄉到中小學的機會，紮根於未來學子；利用視訊舉辦跨國際間的 SIG 水資源論壇會議，倡議潔淨水資源的重要性；教師則透過計畫的執行，結合公部門或企業力量，引導社區民眾實施海岸淨灘、河川調查，認識並愛護鄉里的水資源環境，都是本校支持水資源永續利用的一環。

研究能量支援水資源永續

本校水資源及環境工程學系、水資源研究中心、水環境資訊研究中心和海洋及水下科技研究中心等機構，皆持續和政府水資源相關部會，如環保署、水利署或各地區河川局等單位保持密切合作，以學界研究能量支援水域管理實務，並提供相關科系師生發揮所長之機會。在國際間亦透過合作方式，技術輸

出「智慧城市淹水預報系統」至馬來西亞，協助馬來西亞建置區域淹水預報系統。

在地學習與流域課程

以「流域課程」為主題，與所在地區中小學及地方工作者展開合作，協同發展地方環境教育課程。課程內容包括溪流水質監測，流域模型地圖製作，並發展出三套 Ubd (Understanding by Design) 課程教案。

柬埔寨 ECC 合作夥伴計畫

本校與柬埔寨 NGO ECC school 進行國際教育工作，將環境衛生教育納為必備的課程，帶領小學生一起進行暹粒河在 PO 村這段的淨川工作，藉由觀察垃圾的類型，以形塑在地人們的衛生意識及水資源保育觀念。





連續 7 年達成節電率每年至少 1% 的目標。
2021 年碳排放量 12,193.74 公噸，較前年減少 7.68%。
2021 年電費降至新臺幣 6,269 萬元／年（最高電費曾達新臺幣 9,126 萬元／年）。

SDG7：可負擔的潔淨能源

導入國際環境管理標準

本校自 2003 年實施 ISO14001 環境管理標準以來，逐步落實各項節能措施。於 2006 年建置節能監控系統，2013 年依據 ISO14064-1 標準辦理校園溫室氣體排放量查證，2015 年通過 ISO50001 能源管理標準，並透過「環境永續推動委員會」督導、審查及檢討各項節能計畫之執行效益。

持續參與環保節能評比

本校於 2011 至 2013 年連續三年獲頒中華民國「企業環保獎」環保榮譽獎座，2017 年獲得

行政院經濟部「節能標竿獎」銀獎，2019 年淡水校園新落成之守謙國際會議中心獲得綠建築銀級標章。2022 年持續申請行政院經濟部「節能標竿獎」競賽，挑戰自己持續向豎立標竿前進。

創新育成與環保研究

本校設有水資源及環境工程學系，校級研究中心亦設有水環境資訊研究中心，以聯合國永續目標「潔淨水與衛生」為研究之主要目標，持續與政府、民間企業或第三部門合作。本校教師擔任台灣自來水公司獨立董事，協助環保署

2021 年 7 月起，架設共 1,636 片太陽能光電板，系統總瓦數 539.88kW，發電效益為每年 54 萬 5,385 度。

2015-2021 年間，六度榮獲「新北市政府環境保護局綠色採購績優單位優等獎」。

推動水安全計畫 (Water Safety Plan)；協助民間企業處理產業廢水，提升淨水場水質檢測能力，共同研發潔淨水技術；擔任政府部門之防災諮詢委員，並受政府經濟部水利署委託，提供水庫防洪運轉系統維護與操作諮詢，評估水庫容量有效排洪，以降低洪水造成的溢淹災害，減少因受颱風洪水侵襲而導致之生命財產損失。本校「建邦中小企業創新育成中心」提供應用低碳經濟或技術的新創企業定期輔導，協助進駐廠商申請政府計畫案，提供貸款與創業基金相關資訊，發展環境軟體開發應用計畫。育成中心亦開設課程，輔導新創企業募資與行銷，並媒合與本校教師之產學合作。

攜手校友綠能永續

2021 年與校友企業信邦電子 (SINBON Electronics) 攜手將綠電帶入校園，在游泳館及體

育館建置太陽能板，預計每年減少 277 噸碳排放量，預計未來 20 年將產生超過 1,000 萬度綠電，等同 14.2 座大安森林公園的碳吸附量。

持續發揮影響力

本校擔任「全球在地化」之示範角色，帶領淡水、蘭陽乃至北海岸地區中、小學校共同成長。結合在地七所小學、NGO 團體及淡水區公所「校園 SDGs 環境永續工作坊」，發表「生態永續淡水宣言」，凝聚共識後針對政府、學校、個人層面分別提出三項行動方案，共同展現對於生態保育與環境保護的決心。透過創新育成中心提供應用低碳經濟或技術的新創企業定期輔導，落實大學社會責任。



Cheers 雜誌「2022 企業最愛大學生調查」私立大學第 1
1111 人力銀行票選「2022 企業最愛大學」私立大學第 1
2021 年，專任教職員工待遇比照公立大學薪級表，並於
2022 年 1 月 1 日依照軍公教待遇調增 4%。

SDG8：尊嚴就業與經濟發展

公正公開的選才制度

本校教職員工皆採公開且公正方式進行招聘，教師須經系、院及校三級評審委員會審議通過，職員工則以公開招募儲備人員，遇有缺額時以面試擇優聘任。同時，本校依「職員遴用及升遷辦法」辦理職員升遷考試、依「職工考核辦法」辦理職工成績考核，明確規範考績各等次應符合之條件，及增訂考績不佳者之面談及輔導機制，以確保升遷考試及成績考核之公平性及完整性。

公平的薪酬制度

本校訂有「教職員工敘薪辦法」及「教職員工薪津計算標準表」，俾利全體教職員工薪資及

晉薪明確化。同時，本校薪資皆比照國立大學之規定，另訂有各項研究及教學獎勵措施，使教師實際薪資高於大多數國立大學。本校職工平均薪資亦在全國勞工薪資排名 50% 以內，藉此確保教職員工皆能安心地貢獻心力。

平等的工作環境

本校專任教職員工聘任為不定期限契約，即保障其得工作至法定退休年齡，除非依法規定屬於不適任者，方予以資遣。專任教師男女比例為 2：1、職工男女比例則 1：2，女性職員工兼任主管比例為 61% 以上，顯示本校重視性別平等之職場發展機會，及保障性別薪酬之平等。另學生事務處設有原住民族學生資源中



2021 年退休後仍擔任專兼任教職員工人數為 80 人。

心，顯示本校重視原住民族之就業福祉，確保本校在僱用教職員工時完全以專業能力及經驗為依據，從未以種族、思想、宗教、黨派、籍貫、出生地、性別、性傾向、婚姻、容貌或身心障礙為由，予以不同考量。

確保教職員工之權益及福祉

本校依教育部生師比之規定，聘任充足之專兼任教師，確保教學品質不斷地提升；另訂有合理之生職比，確保服務品質能不斷地精進。同時，為保障職工權益，加強意見溝通，增進校園和諧，每季定期召開勞資會議；另設有「淡江大學教師申訴評議委員會」及「淡江大學職工申訴評議委員會」，並依相關辦法規定辦理教師申訴及職工申訴案件之評議，確保教職員工應有之權益及福祉。本校訂有「執行職務遭受不法侵害預防計畫」，校長於 2021 年 5 月 7 日並以書面加以聲明，任何人目睹及聽聞職場不法侵害事件發生，皆得撥打本校通報專線（分機 3648）。接獲通報後採取保密方式進行調查，若被調查屬實者，將依相關規定懲處。

注重職能培訓

本校持續加強教職員工之永續發展與 AI 創新知能相關訓練與學習，建置全球業界認證的微軟證照考場，透過各種軟硬體技術，將 AI 和雲端應用賦能老師、學生、校友，甚至校友企業，加乘職能發展與就業競爭力。開設 AI 創智學院，導入微軟超過 200 門世界級課程資源，涵蓋「人工智慧、物聯網、大數據、雲端運算、創新創業」等五大領域，為學生建構更符合未來職涯需求的數位能力，並陸續與企業進行產學合作，進行教師種子

師資培訓、學生領袖種子培訓、輔導考取 AI 證照，預計證照考試中心啟用之後，將提供 26 項 AI 國際證照考試，以實踐就地考照的便利性。

協助身心障礙人士就學就業

本校是台灣少數開創視障生入學的學校之一，並成立全國唯一的視障資源中心，之後，服務對象更擴及至不同障礙類別的身心障礙人士，服務項目包括生活方面及就業就學方面的協助及輔導，協助身心障礙人士翻轉先天弱勢，提升就業力。2003 年受教育部委託辦理大專院校暨高中職視障輔具中心及視障點字圖書業務，並成立華文視障圖書館，提供視障者全方位的圖書資訊服務；2009 年與中華電信產學合作，成立全國首座視障客中心，促進視障者就業機會。





2021年，因應 COVID-19 疫情，以 iClass 行動學習平台結合 MS Teams，以線上即時或非同步教學方式推出安心就學方案。

SDG9：產業創新與基礎設施

發展全雲端校園

本校與微軟合作發展全雲端校園，全力推動 Smart PDCA（Paperless、Digital、Collaborative、Automatic and intelligent），有效精簡行政流程和時間成本；將課程數位化，以線上即時或非同步教學方式，在疫情期間，停課不停學；於校內打造 AI 應用實境場域，建置全球業界認證的微軟證照考場，赋能老師、學生、校友，甚至校友企業，加乘職能發展與就業競爭力。

數位教學與遠距教學課程

本校訂定「數位教學施行規則」及「遠距教學課程補助與獎勵要點」，鼓勵教師開設數位教學及遠距教學課程，提升相關教學課程之品質

與成效，為提供學生多元化的學習環境與方式，並且有助於開放教育資源供校外人士使用。

開設 AI 創智學院

本校開設 AI 創智學院，導入微軟超過 200 門世界級課程資源，涵蓋「人工智慧、物聯網、大數據、雲端運算、創新創業」等五大領域，為學生建構更符合未來職涯需求的數位能力。AI 創智學院陸續與穩懋半導體、聯邦銀行、宏盛集團等企業進行產學合作，也進行教師種子師資培訓、學生領袖種子培訓、輔導考取 AI 證照，預計證照考試中心啟用之後，將提供 26 項 AI 國際證照考試，以實踐就地考照的便利性。



參與「2021 全國大專校院智慧創新暨跨域整合創作競賽」，獲「數位永續科技」組第二名及「體感互動科技」組第二名。

AI 創智學院實境場域獲「2021 美國謬思設計賽銀獎」。

支持新創低碳技術新創事業

本校「建邦中小企業創新育成中心」提供應用低碳經濟或技術的新創企業定期輔導，協助進駐廠商申請政府計畫案，提供貸款與創業基金相關資訊，發展環境軟體開發應用計畫。育成中心亦開設課程，輔導新創企業募資與行銷，並媒合與本校教師之產學合作。

推廣循環經濟

本校與國際中橡集團碳黑事業（Continental Carbon）合作，結合循環經濟的知識教育，設計親子共玩的碳黑手做科普活動，並且規劃全台巡迴化學普及教育課程。

研究能量支援產業創新

本校擁有 4 個校園，9 個學院，44 個系，46 個碩士班，16 個博士班，10 個校級研究中心，20 個院級研究中心，是功能完備的綜合

型大學，研究能量豐沛，積極支援基礎設施和工業的升級與改造，提高能源使用效率，以及環保科技與工業製程的發展，包括協助解決焚化垃圾時產生棘手的飛灰問題，改良廢水回收技術，節省廢水處理成本；建置「智慧城市淹水預報系統」，運用物聯網即時監測資料，結合時序性淹水預報模式，再透過實際降雨事件驗證模式修正，在水患爆發前提早預警；設計「結合 AI 之互動式舌肌訓練裝置」，協助年長者進行舌頭肌肉的訓練；開發「遊戲式盲文學習系統」，以提高視障兒童學習盲文點字的興趣。

打造具韌性的基礎建設

每年編列節能改善工程預算，透過汰換耗能設備，建置綠電，落實綠色採購，發展永續交通，舊有空間及建築活化再生等措施，提高能源使用率，建立具韌性的永續校園。





2021 年共 6,859 學生獲得校內外獎助學金，其中 4,082 人次為扶助弱勢、安心就學方案。

2021 年提供學生工讀金計新臺幣 7,371 萬 8,017 元，其中約 72.02% 提供經濟弱勢學生申領。

SDG10：減少不平等

就學補助及獎學金

本校提供各種就學補助及學雜費減免方案，協助軍公教遺族、原住民籍、低收入戶、中低收入戶、身心障礙學生、身心障礙人士子女、現役軍人子女或特殊境遇家庭子女安心就學。學校並設有身心障礙學生獎學金、友愛獎學金等超過 20 種校內獎學金，各系所及處室設有工讀機會，皆優先提供經濟弱勢家庭學生申請。

開放教育資源，提供終身學習機會

本校設有大量實體及線上課程，供民眾免費或付費參與，開放圖書館資源供校外人士使用，並且舉辦諸多講座、研討會，免費供社會人士參與，提供校外人士終身學習機會。

職能培訓課程，翻轉經濟弱勢

本校配合勞動部產業新尖兵補助計畫，開設 Python、AI 就業實戰班、國際企業數位行銷人才培訓班，服務失業青年，透過培養職場技能，提升其就業力。

推動性別平等教育

本校為促進性別地位之實質平等，消除性別歧視，維護人格尊嚴，厚植並建立性別平等之教育資源與環境，依「性別平等教育法」及本校「組織規程第二十條」規定，設置性別平等教育委員會。

成立資源中心，協助身心障礙人士就學就業

本校是台灣少數開創視障生入學的學校之一，

並成立全國唯一的視障資源中心，之後，服務對象更擴及至不同障礙類別的身心障礙人士，服務項目包括生活方面及就業就學方面的協助及輔導，協助身心障礙人士翻轉先天弱勢，提升就業力。2003 年受教育部委託辦理大專院校暨高中職視障輔具中心及視障點字圖書業務，並成立華文視障圖書館，提供視障者全方位的圖書資訊服務；2009 年與中華電信產學合作，成立全國首座視障客服中心，促進視障者就業機會。

用 I 幫盲活動

視障中心與國立自然博物館、中華電信共同舉辦「用 I 幫盲」活動，採用中華電信與淡江大學合作開發的「博物館視障深度導覽整合方案」，安排視障朋友參訪科博館，應用行動智慧導航導覽 QR code，擴充建置友善視障朋友的點字觸摸介面及無障礙導覽，協助視障朋友「看見」博物館。



2021 年提供原住民族委員會大專院校獎助學金計新臺幣 188 萬 4,000 元，98 人次申領。

青銀共學與課後陪伴

本校 USR 計畫團隊及學生志願社團，以里辦公室或社區組織為基地，建構以社區里鄰內的長者及學童為服務對象的陪伴機制，提供長照據點服務及學童課後照顧及補救教學，支援社區生活營造。

柬埔寨 ECC 合作夥伴計畫

本校經濟系老師培訓學生團隊在每年寒暑假前往柬埔寨與當地 NGO ECC school 合作，進行國際教育工作，包含英語教學、電腦教學、環境衛生教育，以及文化踏查工作。ECC school 所在的村落緊臨世界遺產吳哥窟，是一個貧困村落，當地兒童們普遍期盼

未來能成為有豐厚收入的導遊。因此他們需要英文能力與電腦能力，藉以發展觀光事業。該師生團隊在當地的服務工作中，體察到環境衛生的嚴重問題，進而將環境衛生教育納為必備的課程，並帶領小學生一起透過淨川工作，提升在地人們的衛生意識。即便是疫情期間，工作仍然持續推動，從實體搭配線上的方式，也從單點的對話，逐漸擴展到更多的專業連結與研討。





2020年，將具有60年歷史的原校友招待所「瀛苑」以舊建物活化方式，改建為「校史館暨張建邦創辦人紀念館」，透過免費參觀、公開展示，呈現學校的源起、發展與變遷。

SDG11：永續城市與社區

安全、包容、無障礙及綠色的公共空間

本校致力營造環保與生態校園，淡水校園以「無圍牆的校園」著稱，正對觀音山與河口落日，視野開闊。具有多樣化植物生態的校園、展示古今中外各國船隻模型的海事博物館、舉辦美學饗宴的藝術中心、提供人類知識寶庫的圖書館等，均開放社區民眾進入均開放社區民眾參觀，為社區居民運動休憩場域，以及在地中小學戶外教學的優質學習環境。

安全、可負擔、易於利用的永續交通運輸系統

積極推動「低碳環保」、「節能節電措施」、「環保公車」、轉乘系統等，獲得國家頒發

「企業永續發展」獎勵。推動「微型交通」(Micromobility)，倡議透過步行、腳踏車、電動機車等低碳的途徑，達成「最後一哩路」--輕軌淡江大學站至校園路段設有行人專屬步道；校園周邊共享公共自行車與公車、捷運形成完整便捷的公共運輸網路；「公車進校園」服務班次增加為原有早午晚各一班次的100倍，提升淡水校園往返捷運站和輕軌站的便利性，也提升了教職員工生，甚至身障朋友使用大眾運輸的意願。無圍牆的校園成為鄰近社區居民往返淡水捷運站的最佳中繼點，嘉惠周邊居民享受大眾運輸服務的可及性。



2021年將舊校長辦公廳舍「覺軒」以BOT方式轉型為校園亮點餐廳，避免拆除重建所產生的大量資源消耗。

2022年「下一步，新東村」宿舍改造計畫，打造提升學生住宿品質，強化學習連結的多用途空間，獲教育部全額補助計8,860萬元。

保護及傳承文化遺產

淡水名列「臺灣世界遺產潛力點」之一，有35處古蹟與歷史建築，本校師生皆積極參與當地文化資產的紀錄與保護。本校首創「淡水學」的地方研究，透過人物誌、紀錄片、刊物發行與議題網站建構等模式，持續記錄淡水發生的事，以及淡水人與土地的相處方式，讓在地文化持續地被重視、被肯定、產生情感的聯結，成為地方的驕傲。而本校教師創立的〈淡水維基館〉則是結合數位科技與人文關懷，整合歷史調研、社群經營、電子出版、影像敘事等，透過線上／線下共學共創，訴說大淡水地區的故事。

減少城市發展負面影響

在減少城市中的負面影響，特別是城市廢棄物方面，本校校園規劃委員會決議未來5年

(2021-2025年)將不再新建新大樓，優先評估舊建物之耐久性並朝空間活化再利用為原則，降低校園環境衝擊、避免建材資源浪費。推動各項節電節能，減水減廢措施，提升可再生能源占比，降低溫室氣體排放量。

研究能量支援永續發展

持續與政府、民間企業或第三部門合作，包括協助民間企業處理產業廢水，共同研發潔淨水技術；受政府經濟部水利署委託，研發淹水預報系統；提供應用低碳經濟或技術的新創企業定期輔導，協助進駐廠商申請政府計畫案，提供貸款與創業基金相關資訊，發展環境軟體開發應用計畫；開設課程，輔導新創企業募資與行銷，並媒合與本校教師之產學合作。





2021 年本校採購以環保標章為主的綠色產品金額達新臺幣 798 萬餘元。

2015-2021 年連續七年間 6 度榮獲新北市政府「綠色採購績優單位獎」。

SDG12：負責任的消費與生產

永續消費

為促進負責任的消費，本校訂定「源頭減量」、「綠色採購」、「資源回收」及「危害預防」等政策。要求餐飲廠商供應之食品均符合安全衛生相關法規，以在地食材優先，禁止基改食材；校園各類採購首重環保標章之產品，2021 年本校採購以環保標章為主的綠色產品金額高達新臺幣 798 萬餘元，2015-2021 年連續七年間 6 度榮獲新北市政府「綠色採購績優單位獎」。

減少廢棄物產生

本校設置環境保護及安全衛生中心（簡稱環安中心），依規定嚴格管理並妥善處理教學實驗產出之有害廢棄物，結合 ISO45001 職業安全衛生標準，確保人員健康與環境安全。全校執行垃圾細分類，餐廳嚴格執行廚餘分類回收，垃圾均無運往垃圾填埋場。商店不提供塑膠袋及一次性吸管，餐廳採用高溫清洗重複使用之餐具，推廣低碳便當，自備環保餐具享優惠；堪用之報廢設備公開提供移轉續用。餐飲廠商之訂購，均需登錄於校園食材登錄平台，以備查驗；政策均擴展到供應商外包服務及供應鏈。

減少城市發展負面影響

在減少城市中的負面影響，特別是城市廢棄物方面，本校校園規劃委員會決議未來 5 年（2021-2025 年）將不再新建大樓，優先評估舊建物之耐久性並朝空間活化再利用為原則，降低校園環境衝擊、避免建材資源浪費。

推動各項節電節能，減水減廢措施，提升再生能源占比，降低溫室氣體排放量。

大學社會責任實踐

本校『農』情『食』課——無毒、有機印象淡水計畫，以延續、減碳與永續家園為核心，透過「知農、體農、創農」的過程，深入農業社會，理清當地現階段農業現況。2021 年持續深入社區，帶領學生投入地方創生，從建置微型市集到香草花園，辦理農事體驗活動，拍攝紀錄影片，為小農產品重新設計包裝，開創行銷通路，與募資平台合作，扶持產業發展。

研究能量支援永續發展

持續與政府、民間企業或第三部門合作，包括協助民間企業處理產業廢水，共同研發潔淨水技術；受政府經濟部水利署委託，研發淹水預報系統；提供應用低碳經濟或技術的新創企業定期輔導，協助進駐廠商申請政府計畫案，提供貸款與創業基金相關資訊，發展環境軟體開發應用計畫；開設課程，輔導新創企業募資與行銷，並媒合與本校教師之產學合作。

化材系教師指導學生參加由行政院環境保護署毒物及化學物質局與教育部合辦 109 年「第 2 屆大專校院綠色化學創意競賽活動」，以「Electrospinning of Poly (lactic acid) by Using Environmentally Friendly Solvents」獲得大學組佳作，於 11 月 19 日在全國大專院校之 21 組大專組中取得佳績。綠色化學 12 項原則是開發環境無害產品和工藝的指導，受到化學界廣泛的重視。以乙酸甲酯（methyl acetate,

2021 年資源回收量約 104.6 公噸，回收率 17.15%，較前年提升 2.13%

MAC) 及二甲基亞砜 (dimethyl sulfoxide, DMSO) 有機化合物結合靜電紡絲技術製備次微米/奈米纖維，以 MAC 和 DMSO 混合成 7:3 共溶劑，配製 8wt% 的高分子溶液進行靜電紡絲，減少對環境的危害。

永續經營的承諾

為展現投入永續經營的承諾，淡江大學於 2021 年 6 月發佈「2020 淡江大學社會責任與永續報告書」，審視永續行動之執行與成效。該報告獲得 2021 年台灣企業永續獎「永續報告書—銅獎」殊榮，同時獲頒「永續單項績效—社會共融領袖獎」，及 2 件「永續

發展目標行動獎」。2022 年 8 月發佈了「2021 淡江大學永續報告書」，更加聚焦利害關係人的溝通對話，運用更有效率的工具，針對重大議題進行分析，依循國際規範 GRI 準則，委託第三方進行認證，務使報告內容精準、具體，呈現本校推動永續目標的行動及決心。「2021 淡江大學永續報告書」榮獲 2022 年 TCSA 台灣企業永續獎「永續報告書—金獎」。





2021 年成立「永續發展與社會創新中心」，推動永續發展相關工作。

2015-2021 年連續七年間 6 度榮獲新北市政府「綠色採購績優單位獎」。

SDG13：氣候行動

為了響應《巴黎氣候協定》以及聯合國號召的永續發展目標，淡江大學宣示將於 2050 年達到淨零碳排。為實現這個承諾，必須投注大規模的行動，全面提升能源使用效率，做好水資源的管理，因此需要動員全校師生，結合地方和社區的力量，共同實踐活化環境永續力的行動。

推動環境永續教育

本校為全球學子提供學習良好水管理的教育機會，設有水資源及環境工程學系，分為水資源工程組及環境工程組，啟發學生以工程及科學為手段，促進水資源保護及環境永續發展。另外，為持續推展環境永續，提升學生對全球永續轉型重大議題的認知，思辨數位化變革下人與環境共存的挑戰，將永續目標融入專業知能，特設置「永續發展微學程」，開放所有學生選修，課程主題包括「環境倫理」、「森林生態與樹木保護」、「生態社區建構」、「海洋科技」等，橫跨人文、社會、科技領域的課程，以提升學生對全球永續轉型重大議題的認知，奠定學生永續發展的意識及素養。

行動實踐綠色生活

本校首先於 2013 年通過 ISO14064-1 溫室氣體排放量查證，而後導入 ISO50001 能源管理系統，辦理校園能源審查作業，以掌握能耗密集之單位及空間設備；制定綠色採購、綠色建築等規定及措施，針對軟硬體設備、耗材及建築工程材料等辦理採購時，以能提供環保標章、節能標章、省水標章、綠建材標章及碳標籤等 5 大綠色標章產品之廠商優先承做；制定各

項減水、減廢、減塑的規範及措施，包括水回收設備的設置、校內美食廣場的價格環保分級策略，以及校務行政系統無紙化的推動。

研究與推廣

本校設有水資源及環境工程學系，校級研究中心亦設有水環境資訊研究中心，以聯合國永續目標「潔淨水與衛生」為研究之主要目標，持續與政府、民間企業或第三部門合作。本校教師擔任台灣自來水公司獨立董事，協助環保署推動水安全計畫（Water Safety Plan）；協助民間企業處理產業廢水，提升淨水場水質檢測能力，共同研發潔淨水技術；擔任政府部門之防災諮詢委員，並受政府經濟部水利署委託，提供水庫防洪運轉系統維護與操作諮詢，評估水庫容量有效排洪，以降低洪水造成的溢淹災害，減少因受颱風洪水侵襲而導致之生命財產損失。

培育低碳新創產業

本校「建邦中小企業創新育成中心」提供應用低碳經濟或技術的新創企業定期輔導，協助進駐廠商申請政府計畫案，提供貸款與創業基金相關資訊，發展環境軟體開發應用計畫。育成中心亦開設課程，輔導新創企業募資與行銷，並媒合與本校教師之產學合作。

本校研發處負責全校產學合作、專利申請維護、技術移轉以及新創育成。下轄 10 個研究中心與出版中心，其中水資源中心運用綠系統，協助水庫資料分析、即時監控，防治洪水災害；海下中心研究抽取海底深層水，研究開發成可食用商品。

連續 7 年達成節電率每年至少 1% 的目標。

2021 年碳排放量 12,193.74 公噸，較前年減少 7.68%。

2021 年 7 月起，架設共 1,636 片太陽能光電板，系統總瓦數 539.88kW，發電效益為每年 54 萬 5,385 度。

AI+SDGs=∞

本校以「AI+SDGs=∞」為 112-116 學年度之校務發展方向，將聯合國永續發展目標（SDGs）和世界公民意識的理念融入教學、研究及校務發展，整合在地、國際、智慧、未來等要素，妥善運用 AI 大數據、網路及雲端科技，並精實相關課程。2020 年設立「AI 創智學院」，與台灣微軟結盟為戰略合作夥伴，運用「AI 與雲端服務技術」，支援環境永續工作的可擴展性及可複製性，包括整合 AI 學程、遠端課程、實境場域的資源平台，以及先後與 17 家企業組成策略合作夥伴，在課程、教學、研究、行政各面向，鏈結創新的服務與資源，營造「全員 AI」教育環境。2022 年 6 月，與遠傳電信簽署 MOU，攜手打造「5G 元宇宙淨零碳排校園」，未來將持續

升級校園環境、教學內容，以及校務執行效率，堅定地朝 2050 年達到淨零碳排的承諾邁進。

發布永續報告書

本校發布「2021 淡江大學永續報告書」，依循全球永續報告協會 GRI 準則（Global Reporting Initiative），呈現學術、行政單位及利害關係人關切之重大性議題。報告書遵循 GRI 101 編撰四大原則：包容性

（inclusivity）、重大性（materiality）、回應性（responsiveness）與衝擊性（impact）；以五大議題構面：韌性治理、人才培育、校務營運、環境永續、社會共融，作為議題呈現之主軸，進行重大性議題分析，就關注程度與對營運衝擊程度，加以綜整。





舉辦「2021 SIG 水資源論壇」，探討如何透過實際行動進行海洋環境教育，連署支持「海洋行動倡議」。

榮獲「2021 水保好好玩創意大賽—水土保持兒童繪本創作組」全國第一。

SDG14：水下生命

SIG 海洋行動論壇（2020 年 11 月）

本校 USR 計畫辦公室與國立臺灣海洋大學、台北海洋科技大學等大學共同舉辦，就「海洋與海洋教育」及「海洋環境教育的實踐」等主題進行專題報告，介紹海洋及水下資源，探討如何透過實際行動進行海洋環境教育，並且邀請與會人員連署，以支持「海洋行動倡議」。

北京站威秀影城，共同觀賞紀錄片《男人與他的海》，《男人與他的海》為導演黃嘉俊之作品，湛藍的海洋浸染大螢幕，觀眾宛如坐著潛水艇般穿梭其間，凝視平常難得近距離接觸的海洋生物，令人重新省思個人生命與海洋之間的關係。

鯨豚生態與海洋（2021 年 4 月）

為提升對鯨豚生態與海洋環境的重視，邀師生看電影推廣永續。《Cheers》雜誌與黑糖媒體創意公司及牽猴子整合行銷股份有限公司公益合作，攜手推動海洋永續與鯨豚生態教育，邀請本校師生及校友於 4 月 14 日晚間 7 時在臺

淡水河文蛤漁作體驗（2021 年 4 月）

本校 USR 計畫人員與淡水在地漁人合作，推出淡水河文蛤漁作體驗活動，供民眾報名參加。學員在在地漁人的介紹及指導之下，重新發現淡水水域生態，認識當地漁作方式，也加深對淡水河水域的保育意識。



舉辦「海洋科學與人文通識講座」，探討海洋生命、人為活動及環境變遷等鏈結性。

海洋科學與人文通識講座（2021 年 5 月）

海洋與水下科技中心舉辦「海洋科學與人文通識講座」，講座主題包括「海洋科學的發展及臺灣附近海域海洋環境探索」、「水下文物資產發展與保存」，探討海洋生命、人為活動及環境變遷等鏈結性，說明國家海洋政策白皮書，以建構「生態、安全、繁榮的永續海洋國家」。

的意願，共同思考如何保護海洋，實現永續海洋的願景。

水土保持兒童繪本創作（2021 年 9 月）

水資源及環境工程學系及中文系學生組成團隊創作的《搬家的白魚一家》，訴說河岸生態工法對水下生命的影響及衝擊，奪得「2021 水保好好玩創意大賽-水土保持兒童繪本創作」第一名。

東北角海岸走讀（2021 年 9 月）

本校與國家海洋研究院、東吳大學合作，邀請師生及民眾到新北市貢寮區百年漁村走讀，認識北海岸傳統文化及海洋生態。該漁村位於海洋生物資源豐富的海域，參與學員在學者及當地職人帶領下認識當地特有的海女職業、石頭屋及歷史文化，加深民眾親海

淨灘活動

每年舉辦多次淨灘活動，帶領師生至淡水附近海灘進行淨灘，推廣生態環境維護教育，以行動支持生態永續。





舉辦「2021 SIG 水資源論壇」，探討如何透過實際行動進行海洋環境教育，連署支持「海洋行動倡議」。

榮獲「2021 水保好好玩創意大賽—水土保持兒童繪本創作組」全國第一。

SDG15：陸域生命

永續發展微學程

為持續推展環境永續，設置「永續發展微學程」，開設「環境倫理」、「森林生態與樹木保護」、「生態社區建構」、「海洋科技」等，橫跨人文、社會、科技領域的課程，以提升學生對全球永續轉型重大議題的認知，奠定學生永續發展的意識及素養。

推廣永續農業

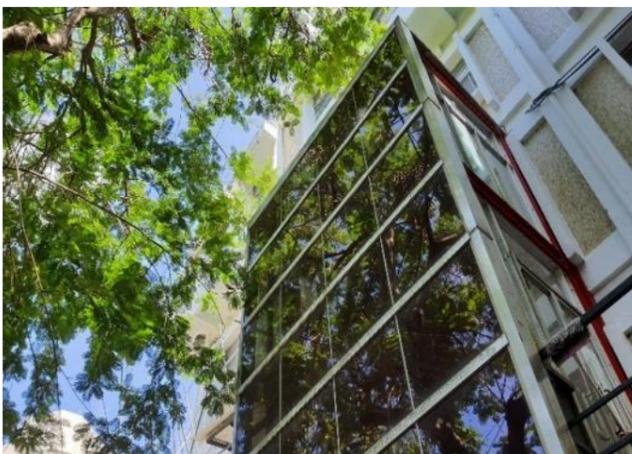
USR 計畫『農』情『食課』—無毒、有機印象淡水計畫，從知農、體農、創農三大主軸進行實踐，從香草花園建置、農事體驗、紀錄片拍攝，甚至結合設計能量，為優質小農產品重新包裝及思考行銷通路，舉辦市集，推廣特色農業創生產品，與募資平台合作，共同扶植無毒、有機的永續農業。

推廣水土保持

水資源及環境工程學系及中文系學生組成團隊創作的《搬家的白魚一家》，訴說河岸生態工法對水下生命的影響及衝擊，奪得「2021 水保好好玩創意大賽-水土保持兒童繪本創作」第一名。

魚菜共生系統

本校商管學院循環經濟與綠色金融研究中心以魚菜共生系統的教學與研究價值為應用。魚菜共生系統結合水生動物排泄物與水中有機質，分解過濾成植物可吸收的硝酸鹽，供應給飼養箱上的蔬菜；同時，蔬菜根系能將水質淨化，供給水生動物使用。本校系所友會捐贈贊助本校建置魚菜共生系統，預計在淡水校區設置多點，並與課程結合，推廣循環經濟的觀念及作法，促進環境永續。



舉辦「海洋科學與人文通識講座」，探討海洋生命、人為活動及環境變遷等鏈結性。

推動綠建築標準

本校規定新（改）建大樓須依循綠建築標準之相關準則。綠建築係指在建築生命週期中（指由建材生產到建築物規劃、設計、施工、使用、管理及拆除之一系列過程），消耗最少地球資源，使用最少能源及製造最少廢棄物的建築物。綠建築是兼顧生態、節

能、減廢、健康的建築，九大指標包含生態多樣性指標、綠化量指標、基地保水指標、日常節能指標、二氧化碳減量指標、廢棄物減量指標、室內環境指標、水資源指標及污水垃圾改善指標。





2021年共召開4次勞資會議，進行4項議題討論，會議紀錄均公開於人力資源處網頁勞資會議專區。

2021年1月5日舉辦「公民會議《參與決定》」，邀集新北市立忠山實驗小學全校師生，共同討論新校地如何利用之議題。

SDG16：和平正義與有力的制度

勞資關係

為保障職工權益，加強意見溝通，增進校園和諧，定期召開勞資會議，由勞資雙方同數代表參與，以加強勞雇關係，並保障勞方權益。同時設有「教師申訴評議委員會」及「職工申訴評議委員會」，分別依相關規定辦理教師及職工相關權益之申訴案件評議。

校務評鑑

自1998年起，每年進行「校務綜合評鑑」及「校務滿意度調查」。前者訂有質化與量化指標，依據指標對整體校務進行綜合性的評估；後者則依「教師」、「學生」、「行政人員」等對象，分別進行問卷調查，以瞭解內外部顧客對學校的滿意程度。校務自我評鑑所蒐集之資料及問卷調查結果，經過整理分析後，撰寫為「校務自我評鑑報告書」，提供校務發展之參考，亦為全校各單位業務改進之依據。

教學評量

本校每學期辦理期中教學意見調查及期末教學評量，採匿名方式，提供學生表達教學相關意見的管道，並做為教師進行教學診斷之依據。期中教學意見調查於每學期學生加退選課程後進行，所蒐集之學生回饋意見會提供教師參考，協助教師及早修正教學方式及策略；期末教學評量問卷涵蓋「學習效果」、「專業態度」、「教學方法」、「教學內容」、「性別平等」與「綜合項目」六大構面，調查資料均以密件處理，以維護學生與老師的權益。

職場不法侵害預防計畫

本校訂有「執行職務遭受不法侵害預防計畫」，校長於2021年5月7日並以書面加以聲明，任何人目睹及聽聞職場不法侵害事件發生，皆得撥打本校通報專線（分機3648）。接獲通報後採取保密方式進行調查，若被調查屬實者，將依相關規定懲處。

個資保護與管理制度

本校持續推動個人資料管理制度，由經過外部認識的校內稽核員固定於每年12月至1月進行內部個資稽核，做為學校推動全面品質管理制度的重要環節。

性別平等教育委員會

為促進性別地位之實質平等，本校訂定「性別平等教育實施辦法」、「性侵害性騷擾或性霸凌防治與處理規定」、「工作場所性騷擾防治辦法」等相關法規；開設性平課程、教育講座及微學程，提升教職員工生尊重人我性及身體自主之知能，並將性平宣導納入新聘教師座談會及新進職員教育訓練，以教育方式教導尊重多元性別差異，厚植性別平等教育學習環境。

公民意識教育

通識與核心課程：本校設有現代公民微學程、公民社會及參與學門等課程，提升學生對當前國家議題與社會現象的認識（資訊化），以培養同學成為關懷並洞悉未來發展的公民（未來化）。課程內容包含非營利組織與全球議題、

逾百位教師在政府單位擔任顧問、審議委員、專業審查委員、評議委員或諮詢委員，協助政府制定或推動永續發展目標相關政策。

逾20位教師在非政府組織擔任董事、監察人、無給職理事或理事長，協助制定永續發展目標政策。

社會創新、企業與法律、生活與法律、民主政治、公民社會、公民文化、科技社會與公民參與、憲法與人權、智慧財產權與法律、資訊生活與法律等主題。

在地實踐成就使命—社會創新實作分享：2021年1月5日，本校課程與教學研究所主辦，新北市立忠山實驗小學協辦，舉辦「公民會議《參與決定》」，邀集新北市立忠山實驗小學全校師生，共同討論新校地如何利用之議題。

公民行動取向課程設計模式：本校課程與教學研究所教授以全球議題為範例，發展「公民行動取向課程設計模式」，將包括消費、減碳、濕地保護、氣候變遷等全球議題融入

課程，教育學生成為全球議題的探究者與關懷者，以及身體力行社會改造的行動者。

永續目標夥伴

本校有逾百位教師在政府單位擔任顧問、審議委員、專業審查委員、評議委員或諮詢委員，協助政府制定或推動永續發展目標相關政策；有70多位教師在非政府組織擔任董事、監察人、無給職理事或理事長，並與非政府組織一起制定永續發展目標政策。





2021年9月舉辦「2021大學永續發展目標與產業發展交流工作坊」，以論壇演講及交流活動，深入探討聯合國永續發展目標（SDGs）、ESG、大學社會責任（USR）之鏈結性，開創產學合作推廣機會。

SDG17：夥伴關係

國內外永續夥伴

推動永續發展必須集結全球的力量，好的作法必須盡可能以最快的方式擴展、複製，號召全球各地更多的組織參與永續行動。因此，本校積極與國內外產、官、學單位及民間組織，建立夥伴關係，共同推動永續發展目標。包括：

1. 與台灣永續能源基金會（Taiwan Institute for Sustainable Energy, TAISE）簽署 MOU，推動永續發展目標
2. 與台灣藝術創生文化基金會（Taiwan Art Revitalization Foundation）簽訂 MOU，協助在地青年推動地方創生
3. 與好氏永續服務（Hao-Shi Sustainability Services）合作，以 SDGs 桌遊推廣永續教育
4. 加入「2022 TALENT, in Taiwan 台灣人才永續行動聯盟」
5. 與柬埔寨非政府組織 ECC School 合作，推動當地學童國際教育及環境保護工作
6. 與微軟公司合作打造全雲端化校園

建立國際教育網絡

本校長期深耕國際化，自 1968 年與日本中央學院大學締結第 1 所姊妹校，截至 2021 年已在全球五大洲締結 246 所姊妹校。目前境外生人數共 1,735 人，雙聯學位計畫計有 9 國 28 校 40 項。2021 年與法國、德國、比利時、西班牙、匈牙利及英國等 6 個歐洲國家、12 所

姊妹校深化合作，共計 32 位歐洲學生專案入境至本校學習。

參與 SDGs 政策制定

本校有逾百位教師在政府單位擔任顧問及委員，協助政府制定或推動永續發展目標相關政策；逾 70 名教師在非政府組織任職，協助推動永續發展。其中水環系教師擔任經濟部所屬台灣自來水(股)公司獨立董事、臺北市政府「臺北市災害防救專家諮詢委員會」委員以及經濟部「德基水庫集水區管理委員會」委員，推動政府推動水資源相關永續發展目標；土木、水環、運管等系教師協助行政院部會機關暨地方政府審查工程開發以及防災計畫；中文系和教育學院教師協助政府制訂並檢討中小學教育政策與工作成果；歐洲所教師擔任政府歐盟議題諮議並任勞資關係研究所諮詢委員；經濟系協助柬埔寨 NGO 組織 ECC School 建置魚菜共生系統；化學系教師協助政府開發新型抗腎癌藥劑以及生化處理技術。

SDGs 聯盟計畫

本計畫從 2019 年起以氣候變遷為地方 SDGs 聯盟主題，到 2020 年談論海廢議題的海岸行動，2021 年聚焦水資源的永續管理，邀集不同利害關係人及團體參與，形成地方意識，共同推動地方的改變。

2021 年，加入「2022 TALENT, in Taiwan 台灣人才永續行動聯盟」，簽署行動宣言，結合政府、企業力量，推動台灣人才永續發展。

2021 年「永續發展：臺灣與世界」線上夏日課程共有 18 國、31 所學校 125 名姊妹校學生，與本校學生共同參與。

落實 SDGs 教育

本校致力於在全校推展與永續發展目標相關的教育，開設各項永續相關課程，開放學生修習，包括校訂必修之「探索永續」及「AI 學習」課程，以及「生態社區建構」、「弱勢團體與社會福利」、「海洋科技」等通識課程，奠定學生永續發展的知識涵養，並設有「永續發展微學程」，課程橫跨人文、社會、科學領域，以提升學生認知全球永續轉型的重大議題，並思辨數位化變革下人與環境共存的挑戰，將永續目標融入專業知能，以行動力實踐全球共榮的永續價值。

全球在地行動實踐計畫

本校推動「全球服務實習計畫」（Global Service Internship Program, GSIP）及「全球在地行動實踐計畫」（Global Action Practice, GLAP），前者為與東南亞及日本等國之政府部門和非政府組織合作，由對口單位指定專題，而本校學生以國際實習形式進行專題執行與研究；後者則是與宜蘭縣之社區發展協會、新住民／移工團體、文史機構、原住民地區小學合作，實踐大學社會責任任務，並建構在地聯繫。

