



National Pingtung University of
Science and Technology

國際學院

International College

Brief introduction

| International College |

The International College hosts the largest international community in the university and only offers courses fully instructed in English. This college is relatively small in size, but is absolutely one-of-a-kind in identity. The people in this college may come from different parts of the world, but always stick together. Our educational goals are: (1) to accelerate the application and development of emerging science and technology in developing tropical regions; (2) to promote sustainable development under tropical environment; (3) to facilitate our students to be international, interdisciplinary, and innovative; and (4) to embed intelligence and independence in our students' mindset and personality. As the pioneering Taiwan's university in cultivating foreign students, this college continuously receives affirmation from domestic and international members of all fields and sectors. To date, we have graduated more than 1,000 students from over 50 countries in Africa, Americas, Asia, Europe, and Oceania.



E-mail: ic@mail.npust.edu.tw

Department of Tropical Agriculture and International Cooperation (DTAIC)

since 1997

Degrees offered: B.S., M.S., and Ph.D.
Language instructed: English

Having been assigned with the mission to advance tropical agriculture and its related fields of research, this department provides training on R&D and management in sustainable tropical agriculture through undergraduate and graduate studies. Our undergraduate program is divided into two majors, the plant production and the animal production. These students are free to pursue their personal interests as they build comprehensive foundations in agricultural knowledge. Similarly, our graduate students are also allowed to pursue research in relevant areas of study throughout the university as long as the knowledge matches their interests and research objectives. We have maintained a very close tie with ten disciplinary departments, including agribusiness management; animal science; aquaculture; food science; forestry; landscape architecture and recreation management; plant industry; plant medicine; veterinary medicine; and wood science and design. Students are allowed to take courses and conduct research according to their interests in any of those departments. This is one of our most unique features. Through interdisciplinary studies, the students are expected to develop agriculture related technologies, to integrate agricultural productions and management skills, and to facilitate international cooperation and development.



E-mail: itaic@mail.npust.edu.tw

International Master's Degree Program in Food Science (IMAFS)

since 2012

Degrees offered: M.S.
Language instructed: English

The objective of the International Master's Degree Program in Food Science (IMAFS) is to educate domestic and international talents with outstanding scientific skills for research and development. In Taiwan, the Ministry of Education has certified IMAFS as the only qualified institute to afford MScFood trainings fully using English. IMAFS offers three elective specialist options under the major subject Food Science: (1) Food Biotechnology; (2) Food Safety and Health Foods; and (3) Food Processing and Industry. IMAFS strives to cultivate professional talents by equally emphasizing on theory and practice as our students are in pursuit of international food R&D, industry, and high level business operations and management. IMAFS offers our students opportunity to get acquainted with modern instrumentation, pilot plants, and other facilities necessary for graduate research in food processing, chemistry, microbiology, safety, toxicology, engineering, biotechnology, product development, as well as nutrient. IMAFS provides students with an excellent basis for a career in food industry, food safety authorities, and R&D.



E-mail: imafs@mail.npust.edu.tw

International Master Degree Program in Soil and Water Engineering (IMPSWE)

since 2013

Degrees offered: M.S
Language instructed: English

The course of study for this program is established with a mission to provide specialized education that studies the water movement in soil associated to two scenarios under agricultural context. The first scenario looks at the relationship between soil water content and the growth of crops under different irrigation schemes. The second scenario examines the relationship between soil water content and landslides or similar disaster corresponding to a variety of conditions. As such, the program primarily focuses on training international engineers with special knowledge related to environmental protection, economic development, and social welfare. To fulfill our educational need, this program enjoys the joint experience and expertise of faculty members from the Department of Civil Engineering and the Department of Soil and Water Conservation. The education and research activities for our students are also fully benefited from the facilities available in both these departments.



E-mail: impswe@mail.npust.edu.tw

International Master's Degree Program in Agribusiness Management (IABM)

since 2015

Degrees offered: M.S
Language instructed: English

With special focuses on developing countries in the tropics, this program educates students about agribusiness management aiming to achieve the sustainability of entrepreneurial activities in the food and agriculture sectors. This program combines training in agribusiness management and hands-on training through internship with agribusiness. Various internship opportunities are available at regional agri-agency such as Asian Partnership for the Development of Human Resources in Rural Asia (AsiaDHRRA); region farmers' organizations such as Asian Farmers' Association for Sustainable Rural Development (AFA) and their respective national member organizations. Students are prepared for a variety of successful careers in agribusiness by fulfilling the requirements for expertise in small and medium size agribusiness enterprise, extension, and marketing. It prepares competitive graduates to become agribusiness specialists armed with broad economic, marketing, and managerial skills and more importantly to be ready to serve in the growing regional and global agribusiness sectors.



E-mail: iabm@mail.npust.edu.tw

International Program in Ornamental Fish Technology and Aquatic Animal Health (IOFTA AH)

since 2016

Degrees offered: M.S. and Ph.D.
Language instructed: English

Carefully planned by a team of internationally well-known professors from overseas and domestic universities, this program offers 4 competency enhancement courses related to (1) aquaculture animal breeding and feeding technology; (2) aquatic animal disease diagnosis and vaccine development; (3) ornamental fish facility and system; (4) ornamental fish transportation and marketing. Internationally renowned researchers in the program include: Prof. Alexandra Adams (University of Stirling) for fish vaccine development; Prof. Øystein Evensen (Norwegian University of Life Science) for fish vaccines and immunology; Prof. Ikuo Hirono (Tokyo University of Marine Science and Technology) for aquatic genetics and biochemistry, genomics; Prof. Terutoyo Yoshida (University of Miyazaki) for fish bacterial vaccine development; Prof. Yung-Fu Chang (Cornell University) for infectious diseases, microbial pathogenesis, and molecular microbiology; and Prof. Takashi Aoki of Waseda University for Marine Biotechnology. With domestic and international outstanding faculty members from virtually every related professional discipline, this program offers an excellent teaching and learning environment in promoting international interchanges of academia, faculty and students.



E-mail: iofst@mail.npust.edu.tw

International Program in Animal Vaccine Technology (IAVT)

since 2016

Degrees offered: M.S. and Ph.D.
Language instructed: English

Animal vaccine industry has been playing an important role in ensuring antibiotics-free livestock. To facilitate the latest development of this industry, this program provides world-class professional training by involving international faculty and expert researchers. The syllabus is designed to foster the development of new technology, the training of competent researchers, and the technical transfer of developed vaccine technology from the laboratory to the production line. This program highlights the integration of research projects and facilities to accelerate the speed of technology development. With solid training, the graduates may choose to continue research work in academic institutions, research units, vaccine companies, or even hospitals. Other workplaces include feed companies, drug manufacturers, equipment companies, farms, etc. Internationally renowned researchers in the program include: Prof. Biao He (University of Georgia) for vector vaccines; Prof. Raymond Wong (HKUST) for antigen expression; Prof. Xin Zhao (McGill University) for bovine vaccines; Prof. Peter Rottier (Utrecht University) for porcine vaccines; and Prof. Alexandra Adams (University of Stirling) for aquatic animal vaccines.



E-mail: avt@mail.npust.edu.tw

Smart College for Interdisciplinary Applications

