



# International Master Program of Applied Science of College Science

IMPAS

Interdisciplinary Talents

The International Master Program of Applied Science (IMPAS) of College of Science is designed to cultivate outstanding researchers and professionals. Research areas include:



Online Application

- Quantum Technology, Electro-optics Thin Films and Nano Materials
- Biocompatible Materials, Structural Chemistry and Green Chemistry
- Science Communication and Education
- Applied Mathematics, Statistics and Analysis
- Sports Science

Credits required for graduation is 30, at least 20 courses credits must be fulfilled (not including special topics, 4 credits, and thesis, 6 credits).

For more detailed information about our IMPAS program, please visit our website : <https://sites.google.com/nptu.edu.tw/impas-cos>

## Application Deadlines

March 31, 2021 (Applications received after January 15 may not be considered for all scholarship programs and will be considered only if funds remain)

## Application Approval

Once accepted, you will receive a letter of admission after our reviewing process.

## Prospective Students

International students whose native languages are not Chinese

## Enrollment Date

September 2021

## Application Materials and Criteria

- Original and one photocopy of your highest education diploma and transcripts.
- Either one of the English proficiency documents is required, including TOEIC, TOFLE, IELTS...etc.

Please visit our website for more detailed information.

## Contact Information

The College of Science E-mail:sci@mail.nptu.edu.tw

The Office of International Affairs E-mail:oia@mail.nptu.edu.tw



國立屏東大學

National Pingtung University

Create different paths to the future!!

**IMPAS**

Program of Applied Science  
of College of Science

Interdisciplinary Talents

College of Science-IMPAS

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## Why IMPAS ?

- The Functional Material Research Center (FMRC) in the College of Science integrates research and development (R&D) capabilities of all departments to support interdisciplinary education and research on semiconductor materials and biocompatible materials. FMRC aims to achieve research excellence.
- The College of Science establishes academic-industrial collaboration with prestigious enterprises in Taiwan and overseas. We encourage students to participate in off-campus internships and gain practical in-depth experience.
- To cultivate outstanding R&D talents for high-tech industry, we mobilize international academic exchange programs and offer competitive, practical, and professional courses.

# Faculty

## **Program Director: Dr. Yawteng Tseng**

- Professors of the Department of Applied Physics in Quantum Technology, Electro-optics, Thin Films and Nanomaterials.
- Professors of the Department of Applied Chemistry in Biocompatible Materials, Structural Chemistry, and Green Chemistry.
- Professors of the Department of Science Communication in Science Education and Communication.
- Professors of the Department of Applied Mathematics in Analytical Statistics, Combinatorics and Game Theory.
- Professors of the Department of Physical Education in Athletic Training and Sports Science



# Curriculum



- The IMPAS program aims to cultivate talents whose specialties focus not only on the application-oriented theory and technology, but also the capabilities of design and practical thinking.
- We help students to enhance the abilities of integrated cross discipline knowledge, and increase the abilities to independent research and to publish papers in scientific journals.
- Students of the IMPAS program can choose one major field and, at the same time, choose courses in other fields to broaden and strengthen their professional knowledge and skills as well as to establish a solid foundation for future development in global academy and industry.

# Areas of Study & Future Development

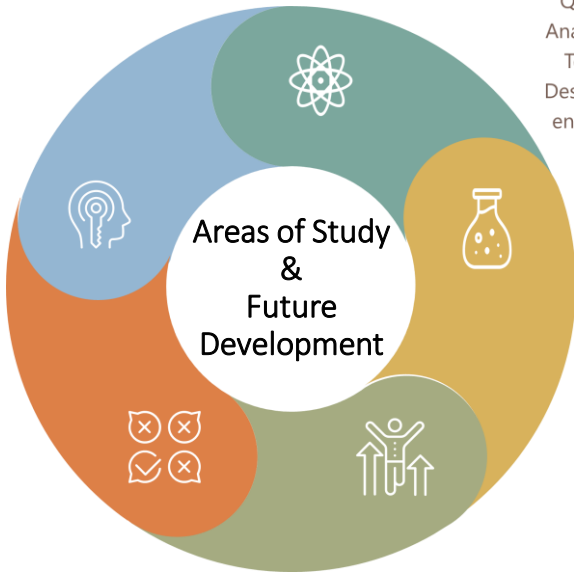
Interdisciplinary  
Talents

## Science Communication

Teachers / Product Design / Science Communication Manager / Project Coordinator / Medical writer / Science journalist / Scientific journal editor / Content marketing writer / Science education or outreach

## Applied Mathematics

Mathematician/Actuary/Audiologist/ Statistician/Biomedical Engineer/Data Scientist/Dental Hygienist/Software Engineer /Occupational Therapist/ Computer Systems Analyst



## Applied Physics

Quantitative Researcher / Data Scientist / Data Analyst/Manufacturing/Product Engineer/Product Test Engineer/ Astronomer / R&D Engineers / Design Engineer / Process engineer / Applications engineer / Lab Manager / Programmer / physics teacher / Geophysicist

## Applied Chemistry

Chemist/Conservationist / Biochemists and biophysicists Environmental Scientist / Geoscientist / Hydrologist / Medical Scientist / Forensic Scientist / Materials Scientist / Pharmacologist / Toxicologist / Hazardous Waste Chemist / Geochemist Chemistry Teacher

## Sports Science

Fitness Trainer/Athletic Coach/Physical Education Teacher/Exercise Physiologist/Physical Therapist/Sports Medicine Physician/Occupational Therapist/ Recreational Therapist/Health and Wellness Product Sales Representative/Sports Marketer

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# IMPAS



Apply Now!

*please visit the website of Office of International Affairs at NPTU*  
<http://www.oia.nptu.edu.tw/files/11-1014-10954-1.php?Lang=en>