

NCTU

(National Chaotung University)



Main points



Located in Hsinchu City,
northern Taiwan.

Home to Hsinchu Science Park,
which boasts over 400 hi-tech
companies.



Two science colleges

College of Science (Physics,
Chemistry, Mathematics &
Statistics)

College of Biological Science and
Technology



Suitable for students studying majors from the
schools of chemistry, physics, mathematics, BABS
and SOMS.

Research Areas: College of Science

- Physics

- Electro-optical science
- Theoretical & computational physics
- Nanoscience & nanotechnology
- Condensed matter low temperature physics
- Semi conductor physics & devices

- Chemistry

- Biochemistry & bioanalysis
- Polymer chemistry & photoelectric chemistry
- Advanced organic & inorganic chemistry
- Green Energy
- Molecular science & theoretical chemistry

- Mathematics & Statistics

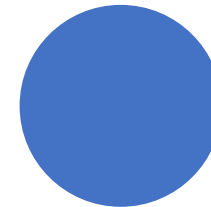
- Data science & combinatorics
- Mathematical modelling & scientific computing
- Differential equations & dynamic systems
- Applied statistics and financial engineering
- Number theory and geometry analysis

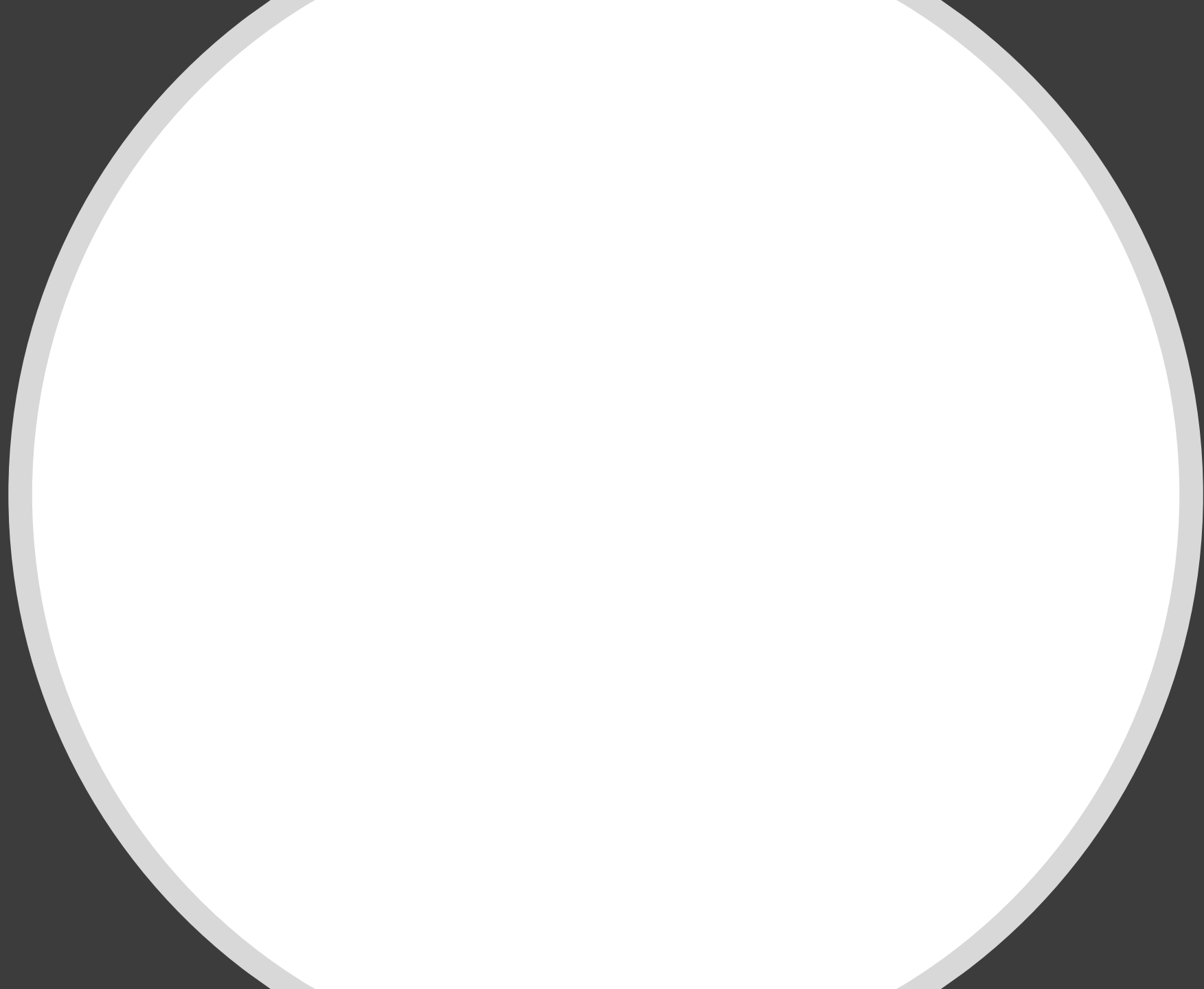
Research Areas: College of Biological Science and Technology

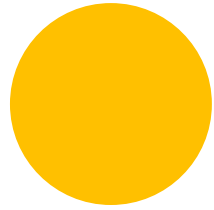
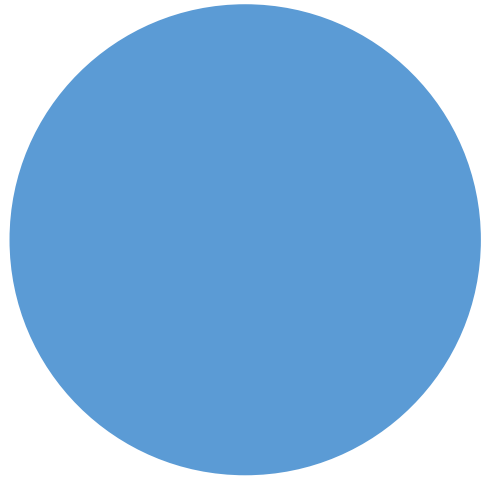
- **Medical Biotechnology & Bioengineering**
 - Gene therapy
 - Protein engineering
 - Stem cell & tissue engineering
 - Biopharmaceutical research & development
 - Biochemical ecology
 - Biomaterial development
- **Medical Sciences**
 - Cardiology research & development
 - Immunology
 - Anticancer Drugs
 - Anticancer Nanotechnology
 - Cognitive neuroscience
 - Cytoskeleton and Cellular Morphogenesis
- **Bioinformatics**
 - Evolutionary bioinformatics
 - Bioinformatic algorithms
- **Molecular Biology**
 - Molecular genetics
 - Molecular evolution
 - Molecular regulation
 - Molecular imaging
- **Computational Biology**
 - Computer-aided Drug Design
 - Evolutionary Computation: intelligent evolutionary algorithms, optimization problem solving
 - Machine Learning: pattern recognition, data mining, artificial intelligence
- **Applied Microbiology & Biochemistry**
 - Stem cell & tissue engineering
 - Systems biology
 - Bio-energy & environmental biotechnology
 - Microalgal technology

- [NCTU Website \(English\)](#)
- College of Biological Science and Technology
 - [Research labs](#)
 - [Researchers](#)
- College of Science
 - [Electrophysics research areas](#)
 - [Electrophysics researchers](#)
 - [Physics research areas and researchers](#)
 - [Mathematics Research areas](#)
 - [Mathematics Researchers](#)
 - [Statistics research areas and researchers](#)
 - [Chemistry research areas](#)
 - [Chemistry researchers](#)

Further information







Tunghai University



Main points



Located in Taichung City,
central Taiwan.

Home the Taiwan National
Museum of Natural
Science



Four science departments

Life Science, Chemistry,
Applied Mathematics,
Applied Physics



Suitable for students studying majors from the
schools of chemistry, physics, mathematics, BEES,
BABS and SOMS.

Research Areas: Dept of Life Sciences

- Biomedical Group

- Bioinformatics
- Developmental biology
- Immunology
- Cancer
- Cardiovascular disease
- Neurodegenerative diseases

- Ecology and Biodiversity Group

- Molecular ecology,
- Behavioural ecology
- Physiological ecology
- Conservation ecology
- Ecosystem ecology
- Tropical ecology and relative systems
- Biodiversity.

Research Areas: Dept of Chemistry

- Analytical Chemistry
- Organic Chemistry
- Physical Chemistry
- Biochemistry
- Theoretical and Computational Chemistry
- Nanotechnology

Research Areas: Dept of Applied Mathematics

- Mathematical physics
- Financial mathematics
- Mathematical biology
- Quantum Theory
- Information science
- Graphic theories
- Communication theories
- Operation theories
- Cryptology

Research Areas: Dept of Applied Physics

- Theoretical & computational physics
- Computational Neuroscience
- Semi conductor physics
- Optoelectronics and laser physics
- Biophysics
- Photoelectric Materials and Components Physics
- Applied Spectroscopy and Optics
- Magnetic physics

- [Tunghai University website](#)
- [Dept of Life Sciences](#)
 - [Research Projects](#)
 - [Researchers](#)
- [Dept of Chemistry](#)
 - [Researchers and Research areas](#)
- [Dept of Mathematics](#)
 - [Researchers and Research areas](#)
- [Dept of Physics](#)
 - [Researchers and research areas](#)

Further information

