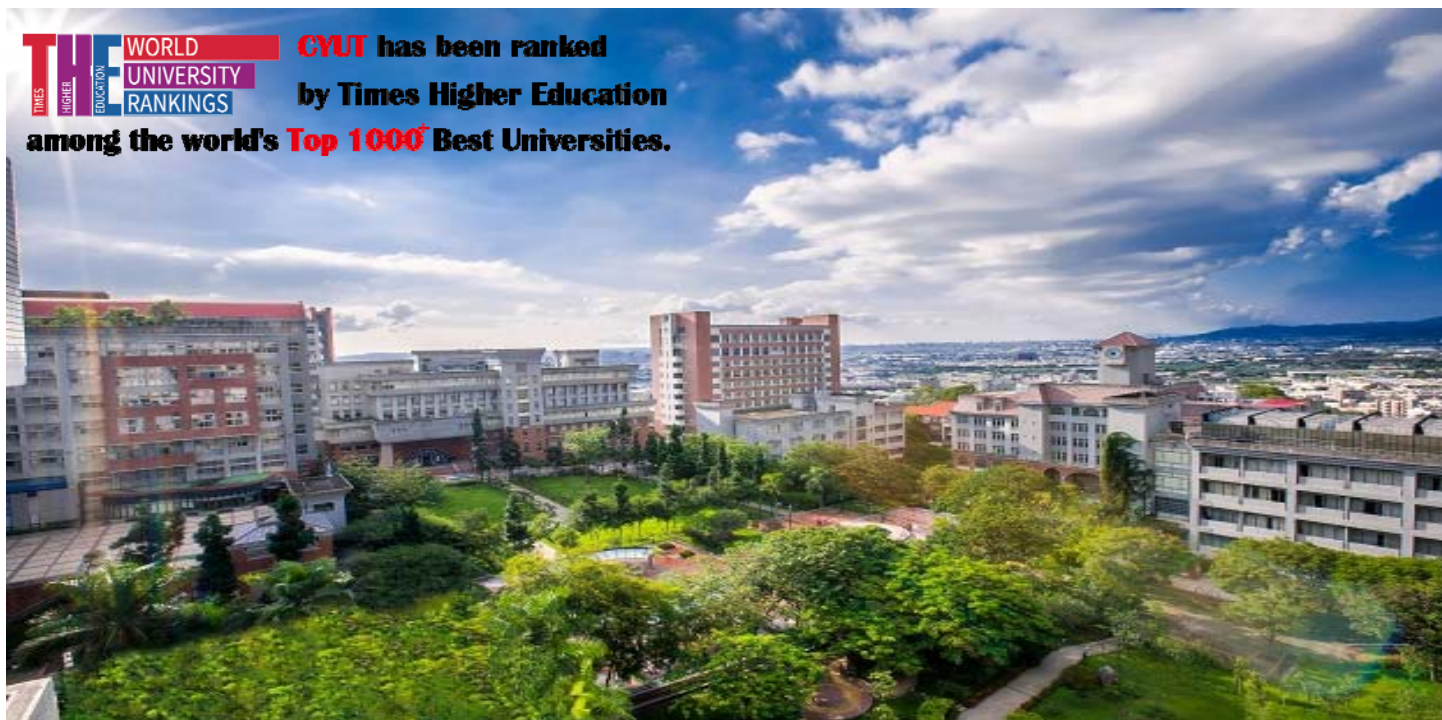


CHAOYANG UNIVERSITY of TECHNOLOGY



THE WORLD UNIVERSITY RANKINGS **CYUT** has been ranked
by Times Higher Education
among the world's **Top 1000** Best Universities.



Ph.D. Program

Contact

CYUT: www.cyut.edu.tw
Office of International and
Cross-Strait Cooperation
<http://www.icsc.cyut.edu.tw/>
Email: icsc@cyut.edu.tw
168 Jifeng E. Rd., Wufeng,
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Scholarship Details

International Eminent Students Scholarship Program of Chaoyang University of Technology (CYUT), established to enhance the University's global character and attract outstanding international students to its campus. Such CYUT Eminent Scholarship awards are divided into two items: monthly stipend and tuition waiver with fee accommodation:

- ◆ Monthly stipend: The students selected for the full-time Ph.D. program at CYUT will be awarded a fellowship of NTD 10,000 per month.
- ◆ Tuition waiver: For Ph.D. program students, tuition waiver includes basic tuition fee, basic credit fee, and fee accommodation.
- ◆ Application will be awarded both monthly stipend and tuition waiver with free accommodation.
- ◆ Scholarship duration: The maximum period of receiving scholarship for Ph.D. program is 5 years.
- ◆ Continuing scholarship: Recipients shall be granted renewal if they have achieved the standards required by their individual departments. Each recipient will be evaluated by the Doctoral Program Committee of CYUT.

How to Apply

All Applicants should send their application packets by Express Mail Service (EMS) to ICSC (International and Cross-Strait Cooperation) at CYUT or complete CYUT online application. Application deadlines are 15th December for Spring intake (February) and 15th June for Fall intake (September). However, we flexibly process Ph.D. applications at any time. Application forms can be downloaded from the following: <http://www.icsc.cyut.edu.tw/menu/51>.

Candidates will be selected based on an interview and may include presentations administered by the Doctoral Program of CYUT. Online applications are accepted and should include: application, transcripts, scores of supplementary tests, electronic files of theses and/or reports, and two letters of recommendation. To be granted Full-scholarship without delay, applicants should submit application before deadlines (15th December for Spring intake and 15th June for Fall intake).

CYUT Online Application: <http://www.icsc.cyut.edu.tw/register>.

Application Requirement

For admission to the Ph.D. program in a related subject in the faculty, applicants fulfilling the following criteria shall be treated as eligible.

- ◆ Persons having passed Post Graduate Degree (Master Degree) Examination with at least 6.5 CGPA or 60 percent marks in aggregate from the native country recognized technical institute or university.
- ◆ Percentage of marks for foreign degree candidates (those who have not obtained Master's degree from their native country universities) will be 6.0 CGPA or 50 percent marks in aggregate. Above eligibility is minimum requirement. However, we take recommendation letters of former instructor and research mentors much more seriously than the above number.

Course Features

Ph.D. "Design Science Course" planning design theory and program management practice-based in the field of architecture, interior design, landscape and urban design, cultural and creative industry, industrial design and visual communication.

Research Areas

Physical environment issues at all levels of human habitat (including urban, community, architecture, interior design), green architecture, intelligent architecture, landscape and urban design, culture and creative industries, industrial design and visual communication design aspects of design theory and management practice-based.

Teacher Features

There are 12 full-time teachers (having an assistant professor with a doctorate or above qualifications) in college of design, from the department of Architecture, Industrial Design, Visual Communication Design, and Landscape and Urban Design support doctoral courses and research thesis of Ph.D. program.

Research or Academia Features

The topic of student's research dissertation will be encouraged to study in multi-cross fields and asked to be practical primarily, theory supplemented.

Course Credits

The topic of student's research dissertation will be encouraged to study in multi-cross fields and asked to be practical primarily, theory supplemented.

Credit Requirement

Course Type	Ph.D.			
Foundation Courses	12 credits (8 course)			
Elective Courses	Architecture	Landscape & Urban Design	Visual Communication Design	Industrial Design
	24 Credits (8 Courses)	24 Credits (8 Courses)	45 Credits (15 Courses)	24 Credits (8 Courses)
Graduation credits	30 credits			

Specializations that are in high demand

- Architectural & Environmental Issues
- Landscape & Urban Design
- Creative industries
- Industrial Design
- Visual Communication Design
- Program Management
- Technology Management





Course Features

The department provides students with three constructions related expertise disciplines: structural engineering, geotechnical engineering, and construction management.

Research Areas

The department currently has 22 full-time faculty members in five specialty areas: Structural Engineering, Construction Materials, Non-Destructive Testing, Geotechnical Engineering, and Construction Management. By allocating 13 specialized laboratories covering about 2,600 square meters, the Department of Construction Engineering has built a solid base to integrate its development strategies for teaching, research, and service.

Research or Academia Features

The department has strong research groups in the fields of Non-destructive Testing, Natural Hazard Mitigation, and Construction Management research.

Center of Non-destructive Testing (CNDT), established since 2001, has been known as one of the best NDT technical service team in the nation. The main operative test methods include ground-penetrating radar, the stress wave methods (Impact-echo method, impulse response, surface waves method, etc.), dynamic displacement measurements using continuous step-frequency radar, Infrared, low-frequency ultrasonic flaw detector using the antenna arrayed dry-point-contact (DPC) transducers, and electrical resistivity tomography.

For Geotechnical research, regarding more frequent and severe landslide and debris flow hazards induced by extreme weather conditions, such as typhoons or torrential rains. We have set up a debris-flow flume to support experiments and research projects for preventing or mitigating debris flow hazards. Recently, 3D image mapped by LiDAR is also applied for assessing the range of a landslide and can be used to obtain the sliding profile. Particle image velocimetry (PIV) method is utilized to analyze the displacement vectors of a moving or potential sliding area to understand the movement magnitude and direction. In-situ and 3-D numerical studies on interactive behaviors of anchor groups, constitutive model of soil, driven pile behavior, slope stability, ground improvement and deep excavation are also the research interesting.

- ◆ Implementing Building Information Modelling (BIM) techniques in construction projects to improve coordination and enhance building performance.
- ◆ Applying advanced technologies (GIS, GPS, GA, computer simulation) to solve construction optimization problems.

Course Credits

The Ph.D. Program in the Department can be described in terms of 3 components: course work, qualifying examinations, and research. Before passing the Qualifying Examination, a student must have completed all his/her course requirements within the first 2 years after entry. A thesis involving original research completes the requirements for a PhD degree. A Ph.D. student is required to conduct research leading to distinct, quality publications to at least one peer-reviewed journal (SCI or SCIE category). All doctoral students will be required to have at least one article published or accepted for publication as the first author, prior to the public defense date.

Credit Requirement for Ph.D.

Course Type	Ph.D.
Core Courses	Thesis Work, 12credits (4 courses)
Required Courses	Special Topics and Research in Construction Engineering, 2 credits (2 courses)
Elective Courses	Depending on the research area, 18 credits (6 courses)
Program Total	32 credits (12courses)





Course Features

Ph.D. "Information Management Course" planning information management theory and industrial practice-based in the field of information technology, business management, digital multimedia.

Research Areas

We recruit graduate students to join us to move forward together. The current research focuses include:

- Information Technology and Society
- Health Care Informatics
- Database Administration
- Machine Learning
- Enterprise Information System
- Multimedia Technology & Applications
- Artificial Intelligence

Teacher Features

There are 25 faculty members in the Information Management department, including 6 professors, 12 associate professors, 6 assistant professors, and 1 lecturer. Over 96 percent of the faculty members hold doctoral degrees from major universities of Taiwan, England, North America, and Australia.

Research or Academia Features

The department provides doctoral programs to nurture advanced technology and research scholars who can manage to solve problems of enterprises by integrating a variety of information technology.

Course Credits

The department provides doctoral programs to nurture advanced technology and research scholars who can manage to solve problems of enterprises by integrating a variety of information technology.

Credit Requirement

Course Type	Ph.D.		
Foundation Courses	6 credits (3 course)		
Elective Courses	Management	Information Technology	Digital Multimedia
	36 Credits (12 Courses)	42 Credits (14 Courses)	15 Credits (5 Courses)
Graduation credits	30 credits		

Specializations that are in high demand

- Information Technology Consulting
- High - level Management
- Teaching and Research



Course Features

The department provides students with four chemistry related expertise disciplines: Organic fine chemical technology, Material science, Analytical technology, Plant and plant protection biotechnology, and Bioprocessing technology.

Research Areas

There are 16 full-time faculty members in Biochemistry/Chemistry and affiliate faculty offer the Ph.D. program in Chemistry/Biochemical technology. Research programs fall into the general areas of Agro technology, Natural product chemistry, Cell biology, Material chemistry, and Organic chemistry. Our students go on to successful academic, industrial, and government careers in today's hi-tech world of chemistry and biotechnology. Embodying the philosophy of learning by practice, the department enforces a teacher-apprentice system led by groups of faculty members with similar research interests. Such education system will ensure the employment of graduates, and their competence in their selected job positions.

Research or Academia Features

The department provides doctoral programs to nurture advanced technology and research scholars who can manage to solve problems of enterprises by integrating a variety of information technology.

- | | |
|---|--|
| <input type="checkbox"/> Plant & plant protection biotechnology | <input type="checkbox"/> Pheromone synthesis & formulation |
| <input type="checkbox"/> Bioprocessing | <input type="checkbox"/> Mycotoxin quantitation |
| <input type="checkbox"/> Bioanalysis, & environmental biotechnology | <input type="checkbox"/> Biodegradable materials |
| <input type="checkbox"/> Development of bio-medicinal natural product | <input type="checkbox"/> Cosmetics & Toiletries Production |

Course Credits

The requirements for the degree must be completed within the time period stipulated by the Office of Academic Affairs. The Ph.D. Program in the Department can be described in terms of 3 components: course work, qualifying examinations, and research. Students must take the equivalent of college-level General chemistry, General Biology, Organic chemistry and/or Biochemistry. Before passing the Qualifying Examination, a student must have completed all his/her course requirements within the first 2 years after entry. A thesis involving original research completes the requirements for a PhD degree. A Ph.D. student is required to conduct research leading to distinct, quality publications to at least one peer-reviewed journal (impact factor > 1). All doctoral students will be required to have at least one article published or accepted for publication as the first author, prior to the public defense date.

Credit Requirement for Ph.D.

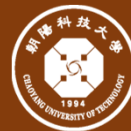
Students must develop a plan of study with their temporary committee during their first semester in the Ph.D. program. The plan of study is a written document that remains in the student's file and is used by the student and Supervisory Committee as a guide for course selections and research or teaching activities.

- College-level equivalent courses (Chemistry/Biology related) are required
- 12 credit hours of core courses (compulsory courses),
- 12 credit hours of elective courses,
- 6 credit hours of thesis work.

Specializations that are in high demand

- | | |
|--|---|
| <input type="checkbox"/> Food safety and food security | <input type="checkbox"/> Organic synthesis |
| <input type="checkbox"/> Agricultural technology | <input type="checkbox"/> New green energy technologies |
| <input type="checkbox"/> Analytical technology | <input type="checkbox"/> Design and use of biomaterials |
| <input type="checkbox"/> Fermentation technology | |





Course Features

Our program pays attention to “industrial strategy development” to guide students to have a thorough understanding of development and management in different industries. Our interdisciplinary courses combine theories and practices to offer an easy access to the cooperation between industry and academic. Students can benefit a lot. By juxtaposing theories and practices, students’ ability of theories and industry practices will be much upgraded.

Research Areas

Different from other academic-oriented Ph.D. programs, our program focuses on practice-oriented trainings. Three industry curriculum guidelines are designed: business strategy, innovation and development strategy, and globalization strategy.

Teacher Features

To provide students with the best learning and training environment, this program offers well-known and influential business elites and scholars from industry, government and academic to guide and instruct students. Moreover, the program incorporates industrial and academic research resources in Central Taiwan to abreast with industry tendency and development.

Research or Academia Features

The topic of student's research dissertation will be encouraged to study in multi-cross fields and asked to be practical primarily, theory supplemented.

Course Credits

Course Requirements

- Length of Schooling: 2-7 years.
- Minimum credits for graduation: 33 credits (including Ph. D. dissertation, 6 credits).
- Prerequisites and graduation benchmark must be followed.

Prerequisite Courses

- Research Methodology
- Management
- Strategic Management

Credit Requirement for Ph.D.

Course Type	Ph.D.	Apply Learning Option
Core Courses	6 credits (4 course)	6 credits (4 course)
Elective Courses	21 credits	21 credits
Program Total	33 credits (includes doctoral dissertation: 6 credits)	33 credits

Specializations that are in high demand

- Our program emphasizes a strong foundation in both business diagnosis and case studies.
- Our program trains students to intensify their academic capabilities and industry practices.
- Our interdisciplinary courses combine theories and practices to offer an easy access to the cooperation between industry and academic.

