



國立成功大學

Double Degree Program of Power Engineering with Brandenburgische Technische Universität Cottbus - Senftenberg

Prof. Huang, Yueh-Min, VP for International Affairs, NCKU



NCKU
National Cheng Kung University

National Cheng Kung University





National Cheng Kung University

Brief history

- 1931 – Founded as “Tainan Technical College”
- 1946 – “Taiwan Provincial College of Engineering”
- 1956 – “Taiwan Provincial Cheng Kung University”
- 1971 – Renamed as “National Cheng Kung University”





國立成功大學
National Cheng Kung University

NCKU

- Colleges: 9
- Departments: 43
- Institutes: 39
- Degree programs: 8
- BS programs: 44
- MS programs: 101
- Doctoral programs: 55



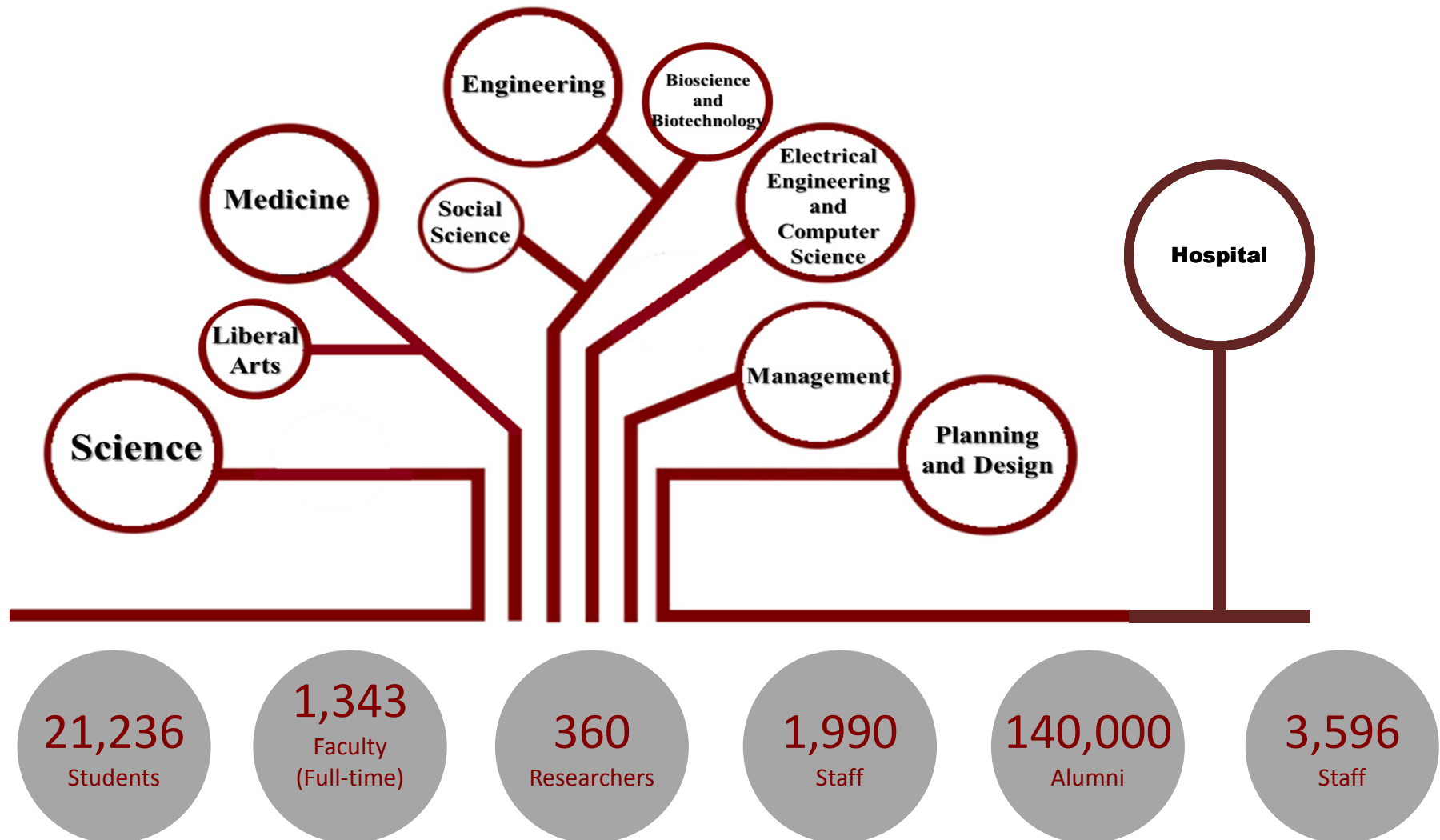
- **Enrollment : 21,236 (2016 spring)**
 - **Faculty: 1,343**
 - **Research faculty: 360**
 - **Alumni: over 130,000**
 - **Area: 187 hectares (461.9 acres)**
 - Main campus: 83 hectares (205 acres)
 - An-Nan campus: 73 ha (180.3 acres)
 - Gueiren campus: 26 ha (64.2 acres)
 - Dou-Liu campus: 5 ha (12.4 acres)
- (100 ha=1 km², 1 ha=2.47 acres)



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National Cheng Kung University

NCKU

COMPOSITION



Major Regional Partners

大洋洲 Oceania

澳洲 Australia 昆士蘭科技大學 Queensland University of Technology

歐洲 Europe

奧地利 Austria	因斯布魯克大學 Universität Innsbruck
德國 Germany	慕尼黑工業大學 Technische Universität München
荷蘭 Netherlands	萊登大學 Leiden University
捷克 Czech Republic	俄斯特拉發技術大學 VSB-Technical University of Ostrava
瑞典 Sweden	瑞典皇家理工學院 KTH Royal Institute of Technology
愛爾蘭 Ireland	都柏林大學 University College Dublin , National University of Ireland Dublin
波蘭 Poland	雅捷隆大學 Jagiellonian University
斯洛伐克 Slovakia	考門斯基大學 Comenius University in Bratislava
斯洛維尼亞 Slovenia	盧比安納大學 University of Ljubljana

美洲 America

美國 U.S.A. 普渡大學 Purdue University

亞洲 Asia

中國 China	清華大學 Tsinghua University
日本 Japan	大阪大學 Osaka University
韓國 Korea	首爾大學 Seoul National University
新加坡 Singapore	新加坡大學 National University of Singapore

Top Double Degree Programs

University	Degree Program Model	Fields
南伊利諾大學(SIUC) Southern Illinois University at Carbondale	Master 1+1	College of Management
蘭開斯特大學 The University of Lancaster	Master 1+1	College of Management
布蘭登堡工業大學(科特布斯) Brandenburg University of Technology Cottbus	Master 1+1	Power Engineering
里茲大學 The University of Leeds	Master 1+1	College of Management
凱斯西儲大學 Case Western Reserve University	Bachelor 2+2	One-year Master's programs offered at CWRS
諾曼地管理學院 Ecole de Management de Normandie	Master 1+1	College of Management
天普大學 Temple University	Bachelor 3+2 Master	One-year Master's program offered at Temple U
曼徹斯特大學 The University of Manchester	Master 1+1	College of Planning and Design
航太工程高等學院(IPSA) Institute of Polytechnique des Sciences Avancees (IPSA)	Bachelor 3+2 Master	Department of Aeronautics & Astronautics
里茲大學 The University of Leeds	Master 1+1	College of Planning and Design

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布蘭登堡工業大學(科特布斯) Brandenburg University of Technology Cottbus	Master 1+1	Power Engineering
里茲大學 The University of Leeds	Master 1+1	College of Management
凱斯西儲大學 Case Western Reserve University	Bachelor 2+2	One-year Master's programs offered at CWRS
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Double Degree Program of Power Engineering, since 2009

Eligibility: Master's students in the field of powering engineering from BTU and NCKU

Year	Type	Host	Receiving unit
1 st year	Course work	BTU	Master's program of Power Engineering
2 nd year	Course work & Thesis	NCKU	Master's program of the Department of Electrical Engineering OR the Department of Mechanical Engineering

Goal:

Awards of Master of Science from BTU AND Master of Science from NCKU in 2 years.

Double Degree Program of Power Engineering, since 2009

From BTU to NCKU

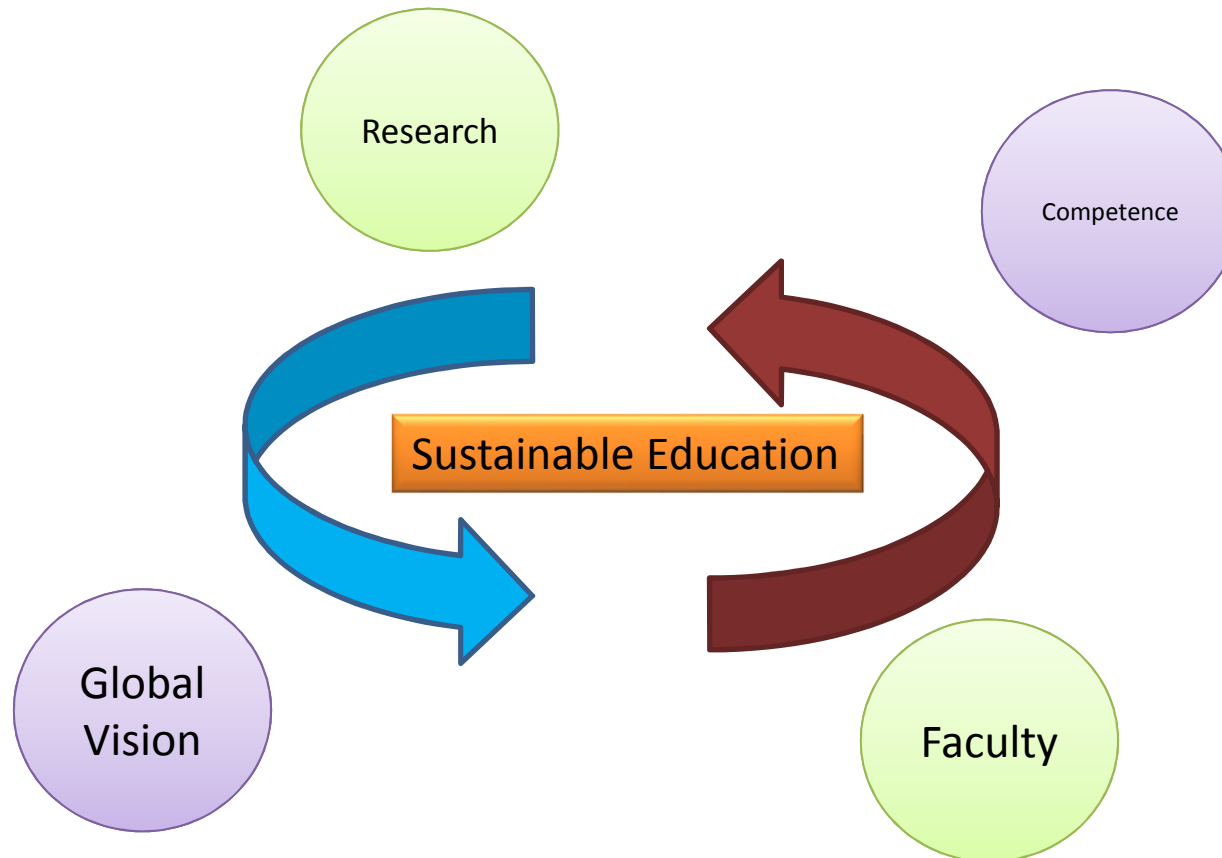
Graduates	
3	
AY2012	AY2015
2	1
Currently Enrolled (AY2016)	
1	
Total	
4	
Electrical Engineering (at NCKU)	
Male	Female
2	2

STUDENT FLOW

From NCKU to BTU

Graduates		
6		
Home Dept.: Electrical Engineering		Home Dept.: Mechanical Engineering
2		4
AY2012	AY2014	AY2015
1	3	2
Currently Enrolled (AY2016 from the Dept. of Mechanical Engineering)		
3		
Total		
9		
MALE		
9		

Dynamic Bilateral Student Exchange for Degrees



Dean Wei-Chou Hsu's remark

College of Electrical Engineering & Computer Science



It is a good match!

This Double Degree Program has been initiated when I was the Chairperson of the Double E Department. I would like to thank Prof. Schwarz and the BTU for providing this very good double degree program to the two sides of NCKU and the BTU. The Power Engineering at BTU has high reputation in Germany. And also the Powering Engineering of double E at NCKU is the best in Taiwan. It is a good match.

Dean Wei-Chou Hsu's remark

College of Electrical Engineering & Computer Science



Prof. Dean Hsu, Wei-Chou, NCKU, Taiwan



OUR STUDENTS

C.H. Lin (AY2014 at BTU) &
Jan H. (currently at NCKU)



國立成功大學
National Cheng Kung University

C.H. Lin (AY2014 at BTU)



Everything is possible!

BTU is a very international university. They provide very practical courses and very flexible. The city of Cottbus is a very comfortable place to live. The air is very fresh. People there are willing to talk with you. You can meet all the international students there. BTU provides a very friendly environment for people to meet. It is a small town. Everything is possible. The best thing is that you can experience the culture and the teaching system in German, different from Taiwan. You take responsibility for yourself.



Jan H. (currently at NCKU)

This is a great chance for me!

The study environment is very good here, because everybody has a supervising professor, which gives us an opportunity to have a close relation to our supervisor and get like a lot of knowledge about a specific research topic.

I like the academic level of research here. Sometimes it is intense. It is a lot of workload, but I can really learn a lot.

This is a great chance for me, personally also for my future career. I learn how to deal with the situations in a foreign country in different cultures. That teaches us a lot.



Highly Recommended!



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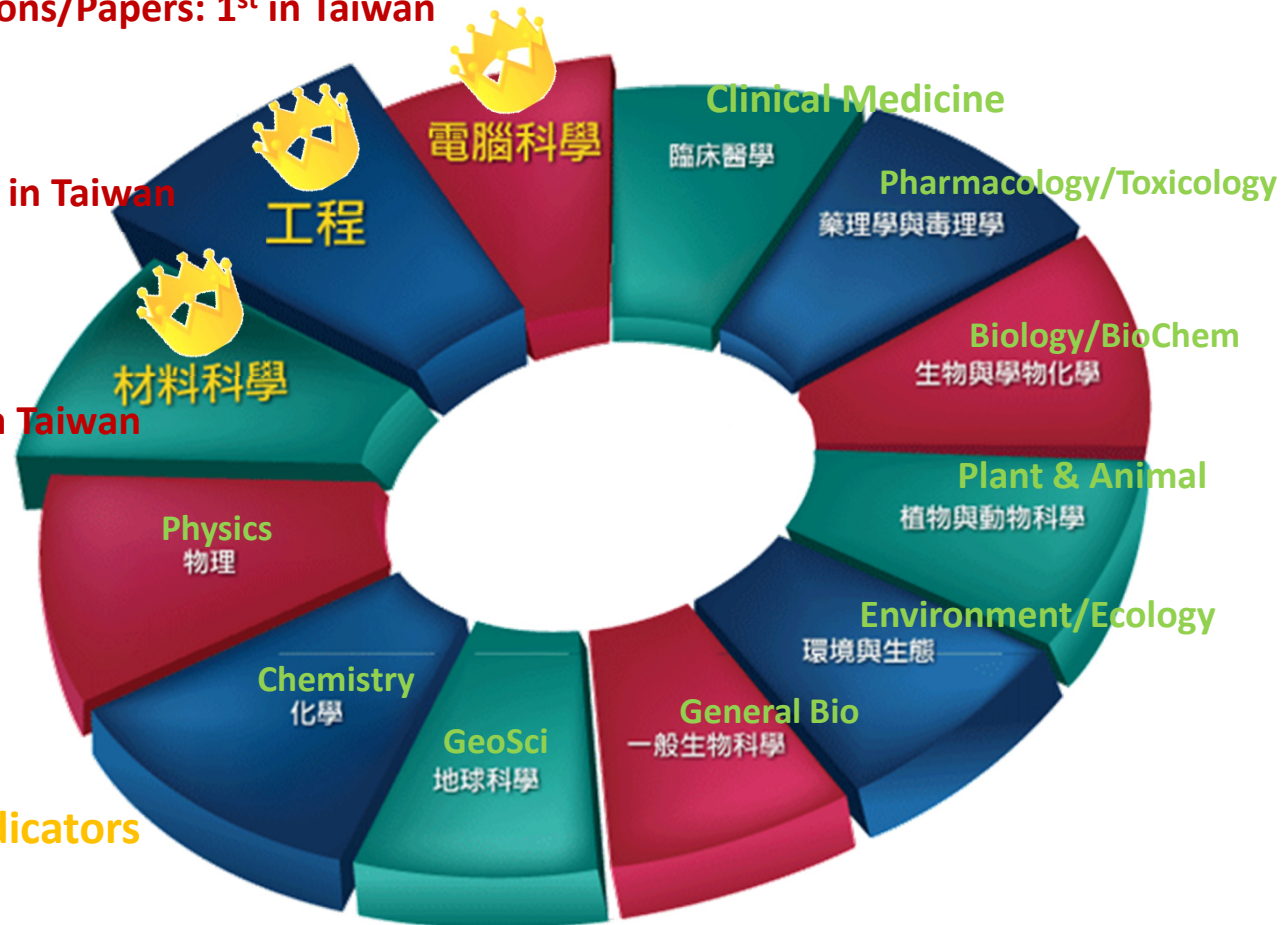
Thank you !

NCKU's Research Areas Ranking Top 100

Computer Science
World ranking: 51
Citations/Papers: 1st in Taiwan

Engineering
World ranking: 24
Citations/Papers: 1st in Taiwan

Materials Science
World ranking: 45
Citations/Papers: 1st in Taiwan



Essential Science Indicators
(2004-2015)

Partnership University

University	Contract	Level
漢諾威工科大學 Leibniz Universität Hannover	Memorandum of Understanding for Academic Exchange	College
慕尼黑工業大學 Technische Universität München	Memorandum of Understanding & Student Exchange	University
美茵河畔法蘭克福-約翰-沃爾 夫岡-歌德大學 Goethe-Universität Frankfurt am Main	Memorandum of Understanding	University
丹斯泰工業大學 Technische Universität Darmstadt	Memorandum of Understanding & Exchange Agreement	University
阿亨工業大學 Rheinisch-Westfälische Technische Hochschule Aachen	Memorandum of Understanding	University

Partnership of University

University	Contract	Level
布蘭登堡工業大學 Brandenburg University of Technology Cottbus	Memorandum of Understanding & Exchange Agreement & Double Degree	University
海德堡大學 Ruprecht-Karls- Universität Heidelberg	Memorandum of Understanding & Exchange Agreement	College
杜賓根大學 Eberhard Karls Universität in Tübingen	Memorandum of Understanding & Exchange Agreement	University