



AGREEMENT ON THE DUAL MASTER'S AND DOCTORAL DEGREE PROGRAM between NATIONAL TSING HUA UNIVERSITY, TAIWAN and CHULALONGKORN UNIVERSITY, THAILAND

In order to promote student interaction and the diversification of the student population,

National Tsing Hua University (hereinafter referred to as "NTHU"), an institution of higher education headquartered at No. 101, Section 2, Kuang Fu Road, Hsinchu 300044, Taiwan,

and

Chulalongkorn University (hereinafter referred to as "Chula"), an institution of higher education headquartered on Phayathai Road, Pathumwan, Bangkok, 10330 Thailand,

have agreed upon the Dual Master's and Doctoral Degree Program which is based on the Memorandum of Understanding signed by the Presidents of both Institutions.

This Agreement on the Dual Master's and Doctoral Degree Program (hereinafter referred to as "Agreement") covers the following items:

1. Definitions

Candidate means a student who has been accepted into the Dual Degree Program. Candidate is allowed to take only the courses that both Institutions have agreed to collaborate. It also means that students will not be able to cross over to enroll in other Departments/Colleges/Faculties that are not stated in the Annex.

Home Institution means the university/institution where a Candidate is primarily enrolled and that sends a Candidate to study abroad at the Host Institution under this Agreement.

Host Institution means the university/institution that hosts a Candidate from the Home Institution to study abroad under this Agreement.

The Home Institution and the Host Institution are collectively called "The Institutions".

The list of the **Departments / Colleges / Faculties** that involve in this Dual Degree Program is to be stated in the Annex, and they are subject to change by mutual agreement in writing.

2. Terms of the Dual Master's and Doctoral Degree Program

Through this Dual Degree Program, Chula and NTHU will accept Candidates from the other Institution. The credits, the research publications, and the presentations at national and international conferences that the Candidate obtains or passes from his/her Home Institution and the Host Institution, will be accredited.

3. Responsibility of The Institutions

3.1 The Institutions will be responsible for accepting the Candidate and providing adequate support and assistance to him/her to obtain the degree, after accepting him/her. The Host Institution should waive the tuition fees for the Candidates.

3.2 Contact of The Institutions

Chula

For general inquiry regarding this Agreement, the contact point will be the Office of International Affairs and Global Network (OIA)

int.off@chula.ac.th

http://www.inter.chula.ac.th/

For nomination, selection, supervision, course credit, thesis proposal and diploma of each individual Candidate, the contact point will be Department / College / Faculty where the Candidate is enrolling. (Annex 2)

NTHU

The Division of Global Research Collaboration (DRC), Office of Global Affairs (OGA) drc@my.nthu.edu.tw (oga@my.nthu.edu.tw)
http://oga.nthu.edu.tw/web.page/detail/sn/65/lang/en

4. Selection of Candidates

- 4.1 For NTHU, Candidates must have completed a relevant Bachelor's / Master's Degree or enroll through the direct admission to the Master's / Doctoral Program at NTHU. For Chula, Candidates must have completed a relevant Bachelor's / Master's Degree.
- 4.2 Each Institution will select and then recommend its eligible applicants for admission to the Dual Degree Program. Each Institution reserves the right to review and make final judgements on the admissibility of each applicant nominated for entry based on the Institution's admissions requirements to the Master's / Doctoral Program. The selection process may include an evaluation of the applicant's previous academic record, language proficiency, motivation and overall potential to succeed in the Dual Degree Program.
- 4.3 The following guidelines shall be applied to all Candidates:
 - a. Candidates must satisfy all Master's / Doctoral admission requirements set out by The Institutions, including any language proficiency requirements specified by either Institution.

- b. Candidates must abide by all rules and regulations pertaining to their degree program as set out in this Dual Degree Program Agreement and the Individual Candidate Agreement. Candidates must also abide by any other statutes, rules and regulations that apply to enrolled Candidates whilst being enrolled at that Institution.
- 4.4 Once a Candidate has been selected and accepted for this Dual Degree Program, an Individual Candidate Agreement must be signed by all Institutions to that Agreement.

4.5 Schedule for Application

Chula

Deadline: The Application Form has to be submitted to Chula program coordinator (stated in Annex 2) at least 6 months before the Candidate arrives at Chula. The deadline of the Application is from February - May for the 1st semester (August intake) and from September - November for the 2nd semester (January intake) every year. The application deadline might be varied for each Program. Please contact the program coordinator for more information. (Annex 2)

Acceptance: The review will take approximately 1~2 months. The program coordinator will notify the Candidate of the decision of Chula.

NTHU

Please follow the latest announcement on the website:

https://oga.site.nthu.edu.tw/p/412-1524-18673.php?Lang=en

Deadline: The Application Form has to be submitted to DRC at least 6 months before the Candidate arrives at NTHU. The deadline of the Application is around February and August every year.

Acceptance: The review will take approximately 1~2 months. DRC will notify the Candidate of the decision of NTHU.

5. Supervision

The Candidate will be assigned to at least two advisors, at least one from each Institution.

At NTHU, the supervision is undertaken in accordance with following regulations.

The academic advisor shall be qualified as a member of the degree examination board under the *Degree Conferral Law* in Taiwan, and shall meet the requirements set forth by individual departments, universities, and degree programs. At least one of the academic advisors shall be a full-time assistant professor or hold a higher position.

Supervisors employed at NTHU must be appointed as and granted Recognized Supervisor Status by Chula in accordance with the established Chula procedures. Supervisors employed at Chula will be granted an equivalent status by NTHU.

All supervisors must be research-active and hold a PhD or equivalent degree that is acceptable to both Institutions and appointed in accordance with the Chula and the NTHU Advisor System Rules and Regulations.

6. Course Credits

- As part of the academic requirements for the Dual Doctoral Degree Program, the Candidate has to study at least one graduate course at each Institution as part of the total number of graduate courses. The total number of graduate courses may vary at the Home and Host Institutions and should be detailed in the Individual Candidate Agreement.
- 6.2 The Institutions will mutually recognize all the graduate courses studied by the Candidate at both Institutions, upon the approval by the corresponding Faculty, Department, or Institution. The number of course credits that can be transferred between the two Institutions should be detailed in the Individual Candidate Agreement.

7. Duration and registration of Studies

7.1 The maximum duration of the Dual Master's Degree Program is four (4) years. The maximum duration of the Dual Doctoral Degree Program is seven (7) years. In special cases and upon the recommendation of the advisors, the Institutions, by mutual agreement, may increase or decrease the duration of the Doctoral Studies.

7.2 Dual Master's Degree Program:

The Candidate whose Home Institution is Chula is expected to spend at least two (2) semesters at Chula. And the Candidate whose Home Institution is NTHU is expected to spend at least two (2) semesters at NTHU.

7.3 Dual Doctoral Degree Program:

The Candidate whose Home Institution is Chula is required to take classes and conduct research for at least two (2) semesters at Chula. And the Candidate whose Home Institution is NTHU is expected to spend at least four (4) semesters at NTHU.

7.4 Registration:

The latest regulation of registration should be confirmed with representative contact at both Institutions.

8. Thesis Proposal

At NTHU, the Candidate must submit his/her thesis proposal at least six weeks in advance of the thesis defense examination.

9. Thesis Defense

- 9.1 The committee should comprise of 4 to 9 members, including the two advisors, and one-third being from institutions other than Chula and NTHU.
- 9.2 The thesis should be written, presented and defended in the English language. The abstract should be presented in English.

9.4 The Candidate must have scientific contributions. The form of scientific contributions is subject to the recommendation of the supervisors from both Institutions and detailed in the Individual Candidate Agreement. The scientific contributions must clearly be identified by each advisor and that the work has sufficient breadth for the degrees.

10. Intellectual Property

- 10.1 The intellectual property rights of the thesis, the publication, the use and protection of the research results will be copyrighted in accordance with the specific regulations governed by the IPR policy of both Institutions. The specific terms of intellectual property rights will be negotiated on a project-by-project basis between the Institutions involved in the co-operation Agreement.
- 10.2 The number of copies of the thesis to be deposited at each Institution depends on the respective regulations.

11. Diploma

Two separate degree certificates shall be awarded for the one-degree by the respective Institutions in line with their respective protocols/styles. At NTHU, if there is any adjustment from an original graduation certificate, the Department has to follow the latest regulation proposed to the Office of Academic Affairs. At Chula, if there is any adjustment from an original graduation certificate, the Department / College / Faculty has to follow the latest regulation proposed to the Office of Academic Affairs.

The Institutions may refuse to confer a degree/diploma if during the course of study, the Candidate is found to have acted in a manner which is in breach of the rules and regulations of that Institution regardless of the location of the course of study.

12. Financial and Other Responsibilities of the Candidate

- 12.1 The Candidate taking part in the Dual Degree Program will have to pay the tuition fees to the Home Institution and shall be exempted from paying any kind of enrollment fee to the Host Institution.
- 12.2 The Candidate will only have to pay the fees or public prices that may exist at the Host Institution in order to have access to certain services (sports, the Internet, and so forth), under the same conditions as that Institution 's own students. Should this be the case, the Host Institution shall inform the Candidate of the existence of such fees prior to his/her arrival there.

12.3 Insurance

Before arriving at the Host Institution, the Candidate will have to take out an international insurance policy to cover expenses arising from medical treatment and accidents; the cost of this insurance will be paid by the Candidate him/herself. The Candidate shall provide a proof of having taken out this insurance policy at his/her

Home Institution before leaving his/her country; failure to do so will exclude him/her from participating in the program in the Host Institution. At NTHU, the candidate can join the National Health Insurance when requirements are met (please refer to the regulations of the National Health Insurance Bureau, Taiwan).

12.4 Visa

The Candidate shall be responsible for carrying out all the proceedings required to obtain a Resident Visa and immigration documents that enable him/her to legally enter the country where he/she is to visit. A Visa-Exempt Entry, a Landing Visa and a Tourist Visa are not acceptable for the stay at NTHU and Chula. It is strongly recommended that the Candidate should obtain a Student Visa or an Education Visa prior to his/her arrival in Taiwan or Thailand. The Host Institution shall provide the Candidate with a letter of acceptance, stating that he/she is on a visit and has been admitted to that Institution.

12.5 Accommodation

The Candidate will have to cover his/her accommodation and maintenance expenses at the Host Institution. The Host Institution should assist the Candidates to arrange reasonable accommodation.

12.6 Other Expenses

Each Candidate is responsible, during the Dual Degree Program, for all personal arrangements and associated costs, including, without limitation, the following:

- a. Transportation (local and between the Home and Host Institutions),
- b. Incidental fees and charges, if applicable,
- c. Textbooks, clothes and personal expenses,
- d. Any and all other debts and incidental expenses incurred by the Candidate during the Dual Degree Program.

13. Extension and Termination

This Agreement will enter into effect on the date on which it is last signed by the representatives of both Institutions, and is valid for ten (10) years. It will be extended for another five years as long as neither Institution expresses a wish to terminate or modify it

This Agreement may be terminated by either of the Institutions with a prior notice of ninety (90) days before the end of the respective academic year. The termination of this Agreement should not affect the Candidates who have already enrolled in this Dual Degree Program.

14. General

This Agreement is not intended to create, and does not create, any right, benefit, or responsibility, substantive or procedural, enforceable at law or equity, by either Institution, its officers, employees, or agents against the other institution, its officers, employees, or agents.

Nothing in this Agreement obligates either Institution to commit or transfer any funds, assets, or other resources in support of projects or activities between the two Institutions.

14.1 Confidentiality

If this exchange should involve any confidential information or materials, a separate Non-disclosure Agreement will be required.

14.2 Privacy

NTHU and Chula acknowledge that they may process personal data of the Candidates while carrying out their duties pursuant to this Agreement. NTHU and Chula agree that they will utilize or process such information only to carry out their duties under this Agreement and for no other purpose and fully comply with the Personal Data Protection Act, B.E. 2562 (2019) of Thailand, Personal Data Protection Act (2015) of Taiwan, and other applicable laws.

14.3 Administrative Expenses

NTHU and Chula shall be responsible for any administrative expenses respectively.

14.4 Use of the Name and Logo

Neither Institution will use the name or logo of the other, either expressly or by implication, in any publicity, solicitation or advertisement without the express written approval of the other Institution to this Agreement. The use se of Home/Host Institution marks (name, seals, marks, and domain names) requires official notification or authorization from the Home/Host institution.

14.5 Resolution of Conflict and Disputes

In the event of any dispute arising out of or in connection with this Agreement, both Institutions agree to resolve the matter in good faith.

Any dispute or claim not resolved to the satisfaction of both Institutions, to further the dispute resolution efforts above, shall be submitted to the court of the defendant's country.

Both Institutions agree that this Agreement is governed by and construed in accordance with the laws of the defendant's country without regard to the principles of the conflict of laws thereof, unless otherwise agreed and confirmed in writing by the Institutions.

This Agreement is executed in a set of two copies, both written in the English language, and each Institution retains one copy. The Agreement may be executed by exchange of a signed and scanned signature pages in PDF format.

Hong-Hocheng

President

National Tsing Hua University

Bundhit Eua-arporn

President

Chulalongkorn University

B. Ena-ayran

Date: Ot, 12, 2021G

Date: Nov. 3, 2021

The list of the **Departments / Colleges / Faculties** that involve in this Dual Degree Program is to be stated in the Annex, and they are subject to change by mutual agreement in writing.

Master's Degree Program

Chula	NTHU
Faculty of Science	College of Science
Department of Physics	ICMS, Institute of Computational and
	Modeling Science
Faculty of Engineering	College of Science
Department of Mechanical Engineering:	ICMS, Institute of Computational and
- Master of Mechanical Engineering,	Modeling Science
Engineering Program	
- Master of Cyber-Physical System,	
Engineering Program	

Doctoral Degree Program

Chula	NTHU
Faculty of Science	College of Science
Department of Chemistry	CHEM, Department of Chemistry
Faculty of Science	College of Science
Department of Physics	PHYS, Department of Physics
Faculty of Engineering	College of Engineering
Department of Industrial Engineering	IEEM, Department of Industrial Engineering
	and Engineering Management
Faculty of Engineering	College of Engineering
Department of Mechanical Engineering:	PME, Department of Power Mechanical
- Doctor of Philosophy in Mechanical	Engineering
Engineering	MSE, Department of Material Science
	Engineering

The contact information of Chula **Programs / Departments / Colleges / Faculties**, that involve in this Dual Master and Doctoral Degree Agreement, are subject to change by mutual agreement in writing.

Faculty of Science

Department of Chemistry

Assoc. Prof. Dr. Worawan Bhanthumnavin

Email: worawan.b@chula.ac.th; bworawan@gmail.com; interscicu@gmail.com

Department of Physics

Prof. Dr. Thiti Bovornratanaraks

Email: thiti.b@gmail.com; interscicu@gmail.com

Faculty of Engineering

Department of Industrial Engineering

Assoc. Prof. Dr. Daricha Sutivong

Email: daricha.s@chula.ac.th; international.affairs.eng@gmail.com

Department of Mechanical Engineering

Assoc. Prof. Dr. Angkee Sripakagorn

Email: angkee.s@gmail.com; international.affairs.eng@gmail.com





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All supervisors must be research-active and hold a PhD or equivalent degree that is acceptable to both Institutions and appointed in accordance with the Chula and the NTHU Advisor System Rules and Regulations.

6. Course Credits

- As part of the academic requirements for the Dual Doctoral Degree Program, the Candidate has to study at least one graduate course at each Institution as part of the total number of graduate courses. The total number of graduate courses may vary at the Home and Host Institutions and should be detailed in the Individual Candidate Agreement.
- 6.2 The Institutions will mutually recognize all the graduate courses studied by the Candidate at both Institutions, upon the approval by the corresponding Faculty, Department, or Institution. The number of course credits that can be transferred between the two Institutions should be detailed in the Individual Candidate Agreement.

7. Duration and registration of Studies

7.1 The maximum duration of the Dual Master's Degree Program is four (4) years. The maximum duration of the Dual Doctoral Degree Program is seven (7) years. In special cases and upon the recommendation of the advisors, the Institutions, by mutual agreement, may increase or decrease the duration of the Doctoral Studies.

7.2 Dual Master's Degree Program:

The Candidate whose Home Institution is Chula is expected to spend at least two (2) semesters at Chula. And the Candidate whose Home Institution is NTHU is expected to spend at least two (2) semesters at NTHU.

7.3 Dual Doctoral Degree Program:

The Candidate whose Home Institution is Chula is required to take classes and conduct research for at least two (2) semesters at Chula. And the Candidate whose Home Institution is NTHU is expected to spend at least four (4) semesters at NTHU.

7.4 Registration:

The latest regulation of registration should be confirmed with representative contact at both Institutions.

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At NTHU, the Candidate must submit his/her thesis proposal at least six weeks in advance of the thesis defense examination.

9. Thesis Defense

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11. Diploma

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The Institutions may refuse to confer a degree/diploma if during the course of study, the Candidate is found to have acted in a manner which is in breach of the rules and regulations of that Institution regardless of the location of the course of study.

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Home Institution before leaving his/her country; failure to do so will exclude him/her from participating in the program in the Host Institution. At NTHU, the candidate can join the National Health Insurance when requirements are met (please refer to the regulations of the National Health Insurance Bureau, Taiwan).

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The Candidate shall be responsible for carrying out all the proceedings required to obtain a Resident Visa and immigration documents that enable him/her to legally enter the country where he/she is to visit. A Visa-Exempt Entry, a Landing Visa and a Tourist Visa are not acceptable for the stay at NTHU and Chula. It is strongly recommended that the Candidate should obtain a Student Visa or an Education Visa prior to his/her arrival in Taiwan or Thailand. The Host Institution shall provide the Candidate with a letter of acceptance, stating that he/she is on a visit and has been admitted to that Institution.

12.5 **Accommodation**

The Candidate will have to cover his/her accommodation and maintenance expenses at the Host Institution. The Host Institution should assist the Candidates to arrange reasonable accommodation.

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Each Candidate is responsible, during the Dual Degree Program, for all personal arrangements and associated costs, including, without limitation, the following:

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- b. Incidental fees and charges, if applicable,
- c. Textbooks, clothes and personal expenses,
- d. Any and all other debts and incidental expenses incurred by the Candidate during the Dual Degree Program.

13. Extension and Termination

This Agreement will enter into effect on the date on which it is last signed by the representatives of both Institutions, and is valid for ten (10) years. It will be extended for another five years as long as neither Institution expresses a wish to terminate or modify it

This Agreement may be terminated by either of the Institutions with a prior notice of ninety (90) days before the end of the respective academic year. The termination of this Agreement should not affect the Candidates who have already enrolled in this Dual Degree Program.

14. General

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14.1 Confidentiality

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14.2 Privacy

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14.3 Administrative Expenses

NTHU and Chula shall be responsible for any administrative expenses respectively.

14.4 Use of the Name and Logo

Neither Institution will use the name or logo of the other, either expressly or by implication, in any publicity, solicitation or advertisement without the express written approval of the other Institution to this Agreement. The use se of Home/Host Institution marks (name, seals, marks, and domain names) requires official notification or authorization from the Home/Host institution.

14.5 Resolution of Conflict and Disputes

In the event of any dispute arising out of or in connection with this Agreement, both Institutions agree to resolve the matter in good faith.

Any dispute or claim not resolved to the satisfaction of both Institutions, to further the dispute resolution efforts above, shall be submitted to the court of the defendant's country.

Both Institutions agree that this Agreement is governed by and construed in accordance with the laws of the defendant's country without regard to the principles of the conflict of laws thereof, unless otherwise agreed and confirmed in writing by the Institutions.

This Agreement is executed in a set of two copies, both written in the English language, and each Institution retains one copy. The Agreement may be executed by exchange of a signed and scanned signature pages in PDF format.

Hong-Hocheng

President

National Tsing Hua University

Bundhit Eua-arporn

President

Chulalongkorn University

B. Ena-ayran

Date: Ot, 12, 2021G

Date: Nov. 3, 2021

The list of the **Departments** / **Colleges** / **Faculties** that involve in this Dual Degree Program is to be stated in the Annex, and they are subject to change by mutual agreement in writing.

Master's Degree Program

Chula	NTHU
Faculty of Science	College of Science
Department of Physics	ICMS, Institute of Computational and
	Modeling Science
Faculty of Engineering	College of Science
Department of Mechanical Engineering:	ICMS, Institute of Computational and
- Master of Mechanical Engineering,	Modeling Science
Engineering Program	
- Master of Cyber-Physical System,	
Engineering Program	

Doctoral Degree Program

Chula	NTHU
Faculty of Science	College of Science
Department of Chemistry	CHEM, Department of Chemistry
Faculty of Science	College of Science
Department of Physics	PHYS, Department of Physics
Faculty of Engineering	College of Engineering
Department of Industrial Engineering	IEEM, Department of Industrial Engineering
	and Engineering Management
Faculty of Engineering	College of Engineering
Department of Mechanical Engineering:	PME, Department of Power Mechanical
- Doctor of Philosophy in Mechanical	Engineering
Engineering	MSE, Department of Material Science
	Engineering

The contact information of Chula **Programs / Departments / Colleges / Faculties**, that involve in this Dual Master and Doctoral Degree Agreement, are subject to change by mutual agreement in writing.

Faculty of Science

Department of Chemistry

Assoc. Prof. Dr. Worawan Bhanthumnavin

Email: worawan.b@chula.ac.th; bworawan@gmail.com; interscicu@gmail.com

Department of Physics

Prof. Dr. Thiti Bovornratanaraks

Email: thiti.b@gmail.com; interscicu@gmail.com

Faculty of Engineering

Department of Industrial Engineering

Assoc. Prof. Dr. Daricha Sutivong

Email: daricha.s@chula.ac.th; international.affairs.eng@gmail.com

Department of Mechanical Engineering

Assoc. Prof. Dr. Angkee Sripakagorn

Email: angkee.s@gmail.com; international.affairs.eng@gmail.com