NYCU Electrophysics

Graduate Program for Quantum Science and Technology

Language : English

Application Deadline

- · March 15, 2025 (Fall Semester)
- · September 30, 2025 (Spring Semester)



Course Requirements

· The duration of the graduate's program:

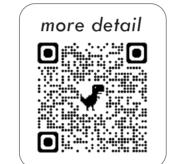
MSc : 2 years (average)
PhD : 3-6 years (average)

· Graduation Requirements :

MSc : 24 credits

(including 3 Core Courses)

*Thesis is required.



PhD: 18 credits(including 4 Core Courses)
*Dissertation is required

Core Courses	Credit	
1. Quantum Mechanics $ { m I}$, $ { m II}$	3,3	
2. Electrodynamics $\ I$, $\ II$	3,3	
3. Advanced Solid-State Physics $ { m I} $, $ { m II} $	3,3	
4. Statistical Mechanics	3	
5. Quantum Physics and Devices		
Colloquium	4(MSc) 6(PhD)	

Optional Courses	Credit
1. Introduction to Quantum Information	3
2. Quantum Optics	3
3. Quantum Fluids and Cryogenics	3
4. Semiconductor Physics and Devices	3
5. Characterization of Semiconductors	3
6. Semiconductor and Energy	3

National Yang Ming Chiao Tung University

Department of Electrophysics

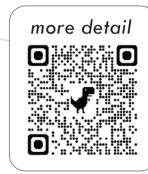
Applicant Eligibility

Please refer to "Regulations Regarding International Students Undertaking Studies in Taiwan" released by the Ministry of Education (MOE).



Scholarship

Reference link



Introduction

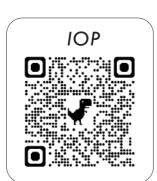
The MSc/PhD graduate program for Quantum Science and Technology at NYCU provides the comprehensive courses of quantum physics, quantum theories, quantum technologies, and semiconductor physics and technologies. The program aims to take students to the cutting edge areas of quantum devices, quantum transport, quantum optics, and semiconductor devices. The faculty of the graduate program comprises all faculties of the Department of Electrophysics and the Institute of Physics at NYCU.



Faculty

Department of Electrophysics and Institute of Physics







NYCU Electrophysics

Graduate Program for Quantum Science and Technology

Q&A

	ltem	Question	Answer	Link
	Office of International Affairs —Q&A			
	Application Procedures	Q1:What documents are required for application?	A1:Required documents include a admission application form, Study Plan, Official degree certificate, Full official transcripts, Two letters of recommendation, Proof of nationality, Proof of financial statement, Proof of English proficiency.	
	Visa and Residence	Q2:What are the visa application procedures and required documents?	A2:Visa application procedures and required documents can be found on the website of the Taiwanese embassy or consulate in your country.	
		Q3:What information is available about work permits?	A3:Work permits for part-time jobs can be applied for through the Workforce Development Agency. Specific requirements and procedures are available on their website.	
	Financial Support	Q4:What information is available about work permits?	A4:The list of the estimated fees for international students (reference only)	
	School Information	Q5:What resources are provided by the school?	A5:Schools typically provide resources such as libraries, laboratories, and computer facilities.	-
		Q6:How do I choose an advisor and their research field?	A6:You can go to our website to refer to the faculty's fields and research directions, please refer to Link. Or refer to the website of NYCU, please refer to: List of Professors for degree-seeking students.	
	Accommodation	Q7:What are the application procedures and costs for university dormitories?	A7:University dormitory application procedures and costs can be found on the university's housing office website.	
	Living Information	Q8:How do I open a bank account and get a SIM card?	A8:To open a bank account, visit a local bank with your passport and residence permit. SIM cards can be purchased from telecom providers or convenience stores.	-
		Q9:What facilities are available on campus?	A9:You can refer to the campus walking map, student activities, work permits and other related information on the school website.	