



國立臺北科技大學 華語文中心  
NTUT Chinese Language Training Center

# New Southbound Policy Mandarin and Semiconductor Short-term Study Program

Ministry of Foreign Affairs  
X  
National Taipei University of Technology

## Program overview

In an effort to encourage outstanding students from the Indo-Pacific to study in Taiwan and explore the diverse culture of Taiwan, the Ministry of Foreign Affairs initiated the New Southbound Policy Short-term Study Program.

Through this program, students will take semiconductor-related courses along with Chinese language courses provided by National Taipei University of Technology and the Chinese Language Training Center.

July 2022

Application deadline: 31<sup>st</sup> July

August 2022

Students apply for visa

September 2022  
to  
January 2023

Arrival: 1<sup>st</sup> September  
Quarantine: 1<sup>st</sup> September to 8<sup>th</sup> September  
Courses: 12<sup>th</sup> September to 15<sup>th</sup> January 2023

## Contact

Tel: +886 2 2771 2171 Ext.1710

Mail: [cltc@mail.ntut.edu.tw](mailto:cltc@mail.ntut.edu.tw)



@cltc.ntut



cltc\_ntut

## Chinese Course

<b>Course Title</b>	Beginner Chinese
<b>Course Duration</b>	8 hours/week for 18 week, 144 hours in total
<b>Course Description</b>	
This class is for students who have never studied the Chinese language. The courses include Pinyin and basic vocabulary and grammar.	
<b>Course Outline</b>	
<p>Week 1: Chinese pronunciation and characters writing</p> <p>Week 2: Lesson 1 Welcome to Taiwan</p> <p>Week 3: Lesson 2 My family</p> <p>Week 4: Lesson 3 What are you doing over the weekend</p> <p>Week 5: Lesson 4 Excuse me, how much does that cost in total</p> <p>Week 6: Lesson 5 Beef noodles are really delicious</p> <p>Week 7: Lesson 6 Their school is up in the mountains</p> <p>Week 8: Lesson 7 Going to KTV at 9 in the morning</p> <p>Week 9: Lesson 8 Taking a train to Tainan</p> <p>Week 10: Exam / Group report / Cultural event</p> <p>Week 11: Lesson 9 Where will you go for the holidays</p> <p>Week 12: Lesson 10 The fruit in Taiwan tastes really good</p> <p>Week 13: Lesson 11 I would like to rent a place</p> <p>Week 14: Lesson 12 How long will you be studying Chinese in Taiwan</p> <p>Week 15: Lesson 13 Happy birthday</p> <p>Week 16: Lesson 14 It's so cold</p> <p>Week 17: Lesson 15 I don't feel well</p> <p>Week 18: Exam / Group report / Cultural event</p>	
<p>Besides the beginner level, CLTC also offer intermediate and advanced Chinese courses.</p> <p>After completing the language course, CLTC will provide a certificate which indicates the study period, hours and grades. Students may transfer credits according to the regulations of their universities.</p>	

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## Semiconductor Course

<b>Course Title</b>	Introduction to Semiconductors and Circuit Design
<b>Course Duration</b>	3 hours/week for 18 weeks, 54 hours in total
<b>Course Description</b>	
<p>Semiconductor circuits have recently become the most important part of providing first-hand information in Artificial Intelligence (AI) and the Internet of Things (IoT). This course covers the fundamentals of various semiconductor sensors (e.g. chemical modification, electrochemistry, optics and semiconductor technology) and signal analysis, and involves Arduino circuit experiments with group discussions, in order for students to further understand the practical applications of sensor circuits.</p>	
<b>Course Outline</b>	
<p>Week 1: Introduction to the course            Week 2: Semiconductor Physics            Week 3: Semiconductor materials and applications            Week 4: Basic circuit design            Week 5: Electronic Circuitry            Week 6: Arduino experiment 1: Basic circuit design            Week 7: Arduino experiment 2: Digital signals            Week 8: Arduino experiment 3: Analog signals            Week 9: Mid-term examination            Week 10: Arduino experiment 4: LED mixed-light control            Week 11: Arduino experiment 5: Optical sensors and music            Week 12: Arduino experiment 6: Temperature sensors            Week 13: Arduino experiment 7: LCD monitors            Week 14: Arduino experiment 8: Motor control            Week 15: Arduino experiment 9: Triboelectric nanogenerator            Week 16: Arduino experiment 10: Pressure sensors            Week 17: Final presentation I            Week 18: Final presentation II</p>	

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## Semiconductor Course

<b>Course Title</b>	Nanotechnology and Semiconductor Devices
<b>Course Duration</b>	3 hours/week for 18 weeks, 54 hours in total
<b>Course Description</b>	
<p>Recently, the semiconductor industry has become one of the most important industries. This course covers the basic knowledge, processes and recent development trend of semiconductors, and features a group of known scholars and experts as keynote speakers to talk about the semiconductor sector. The topics include semiconductor materials, organic semiconductors, sensors, device applications, energy and panels, etc., in order for students to further understand the basics and applications of semiconductors.</p>	
<b>Course Outline</b>	
<p>Week 1: Introduction to the course            Week 2: Semiconductor Physics            Week 3: Semiconductor processes I            Week 4: Semiconductor processes II            Week 5: Semiconductor processes III            Week 6: Semiconductor processes IV            Week 7: Advanced processes            Week 8: Nanomaterials            Week 9: Mid-term examination            Week 10: Keynote speech 1            Week 11: Keynote speech 2            Week 12: Keynote speech 3            Week 13: Keynote speech 4            Week 14: Keynote speech 5            Week 15: Keynote speech 6            Week 16: Keynote speech 7            Week 17: Final presentation I            Week 18: Final presentation II</p>	

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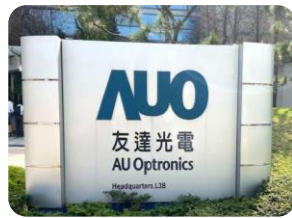
## Other Courses

Students can also participate in other courses at Taipei Tech, please check the courses information on the following website.

<https://aps.ntut.edu.tw/course/en/ShowENSubject.jsp>

## Enterprise visits

Students will visit famous high-tech companies in Taiwan.



## Field trips

CLTC will hold field trips, leading students to visit famous scenic spots in Taiwan.



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## Funding details

Air ticket subsidy	NTD 5,000
Quarantine hotel	NTD 21,000 (7 days)
PCR Test	NTD 7,000 (2 tests)
Dormitory	NTD 3,450 (5 months)
Courses tuition and enterprise visits	NTD 27,000/month
Field trip	NTD 31,000 (5 times)
Allowance	NTD 8,000/month

## Eligibility

1. The applicant should be a sophomore, junior or senior at one of the universities in New Southbound Policy countries.
2. The applicant should not be a PRC (including Hong Kong and Macau) passport holder or a Taiwan (ROC) passport holder.
3. The applicant should not be a recipient of any financial aid from the government, agencies or educational institutions of Taiwan.



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## Application

1. Fill out the application form.  
(<https://forms.gle/dPP3JJAYTAMsbK5k7>)
2. Send the following documents to [cltc@mail.ntut.edu.tw](mailto:cltc@mail.ntut.edu.tw)
  - a. Your CV
  - b. A copy of your passport profile page
  - c. Your profile photo in JPEG format
  - d. A copy of your Enrollment Verification
3. Successful applicants will be notified and receive an admission letter from the CLTC via email.



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