



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.

May 2023

Application deadline: 10th July

July 2023

Students apply for visa

September 2023
to
January 2024

Arrival: 4th September
Courses: 11th September 2023 to 15th January 2024

Contact

Tel: +886 2 2771 2171 Ext.1710

Mail: cltc@mail.ntut.edu.tw



@cltc.ntut



cltc_ntut

Chinese Course

Course Title	Beginner Chinese
Course Duration	8 hours/week for 18 week, 144 hours in total
Course Outline	
<p>Week 1: Chinese pronunciation and characters writing</p> <p>Week 2: Lesson 1</p> <p>Week 3: Lesson 2</p> <p>Week 4: Lesson 3</p> <p>Week 5: Lesson 4</p> <p>Week 6: Lesson 5</p> <p>Week 7: Lesson 6</p> <p>Week 8: Lesson 7</p> <p>Week 9: Lesson 8</p> <p>Week 10: Exam / Group report / Cultural event</p> <p>Week 11: Lesson 9</p> <p>Week 12: Lesson 10</p> <p>Week 13: Lesson 11</p> <p>Week 14: Lesson 12</p> <p>Week 15: Lesson 13</p> <p>Week 16: Lesson 14</p> <p>Week 17: Lesson 15</p> <p>Week 18: Lesson 16</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

Course Title	Introduction to Integrated Circuit Design and Simulation
Course Duration	3 hours/week for 18 weeks, 54 hours in total
Course Outline	
<ol style="list-style-type: none"> 1. Introduction to wireless communication from the aspects of system 2. Basic Concepts in RF Design 3. Transceiver Architectures 4. Two-Port Network 5. Matching Network 6. Low-Noise Amplifiers 7. Simulation with Spectre RF: LNA 8. Mixers 9. Simulation with Spectre RF: Mixer 10. Voltage-Controlled Oscillators 11. Simulation with Spectre RF: VCO 	

Semiconductor Course

Course Title	Electronic Materials
Course Duration	3 hours/week for 18 weeks, 54 hours in total
Course Outline	
<ol style="list-style-type: none"> 1. Introduction 2. Elementary Materials Science Concepts 3. Electrical Conduction in Solids 4. Elementary Quantum Physics 5. Fundamentals of Semiconductor 6. Semiconductor Devices (LED and Solar Cell) 7. Materials processing and fabrication 	

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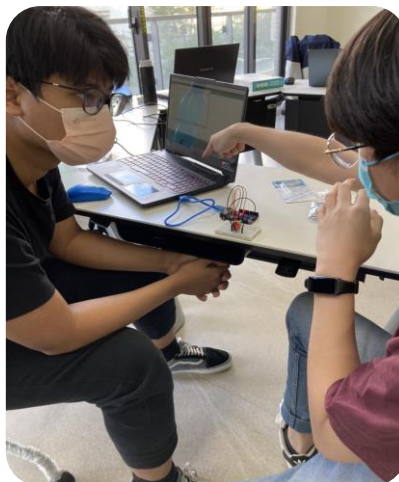
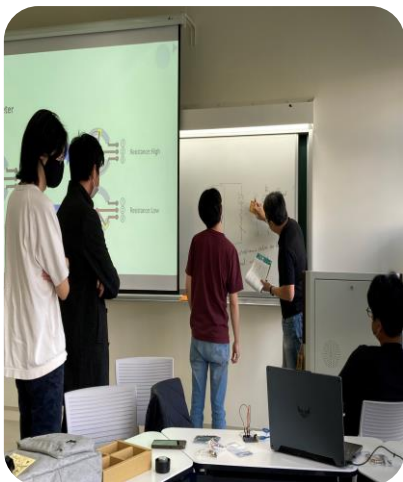
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Semiconductor Course

Course Title	Fabrication Technology of Semiconductor Devices
Course Duration	3 hours/week for 18 weeks, 54 hours in total
Course Outline	
<ol style="list-style-type: none"> 1. Introduction 2. Semiconductor Physics 3 Semiconductor materials and applications 4. Basic circuit design 5. Electronic Circuitry 6. Arduino experiment 1: Basic circuit design 7. Arduino experiment 2: Digital signals 8. Arduino experiment 3: Analog signals 9. Arduino experiment 4: LED mixed-light control 10. Arduino experiment 5: Optical sensors and music 11. Arduino experiment 6: Temperature sensors 12. Arduino experiment 7: LCD monitors 13. Arduino experiment 8: Motor control 14. Arduino experiment 9: Triboelectric nanogenerator 15. Arduino experiment 10: Pressure sensors 	



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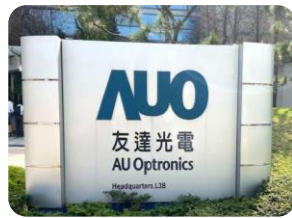
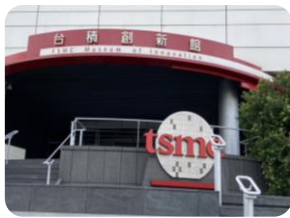
Other Courses

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	NTD 15,000
Living expenses	NTD 10,000 per month
Housing	NTD 77,550 (5 months)
Student insurance	NTD 3,300 (5 months)
Language courses	Full subsidy
Semiconductor courses	
Enterprise visits	
Field trips	

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/W64j8ifSiRTHrnR9A>)
2. Send the following documents to cltc@mail.ntut.edu.tw
 - a. A copy of your passport profile page
 - b. Enrollment Letter of your university
 - c. CV
3. Successful applicants will be notified and receive an admission letter from the CLTC via email.



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